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October 19, 2021

Ms. Amanda Castignetti, EIT
Environmental Engineer
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: Data Validation Report
Troy Belting IRM
September 2021 Soil Sampling Events

Dear Ms. Castignetti:

The data usability summary reports (DUSRs) and QA/QC reviews are attached to this letter for the above referenced project sampling events. The data for Alpha Analytical, SDG numbers: L2147873, L2148270, L2148653, and L2148923 are acceptable with some minor issues identified and discussed in the DUSR and validation summaries. There are no data that are qualified as rejected, unusable (R) in the data packs.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Sterling Environmental Engineering, P.C.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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ALPHA GEOSCIENCE

Geology
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Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile, semi-volatile, herbicide, PCB, pesticide, metal, hexavalent chromium, and total cyanide analyses for 2 soil samples.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The "not detected" result for total cyanide was qualified as estimated (UJ) in both soil samples because 2 of 2 percent recoveries for total cyanide were below control limits, but not below 10% in the associated soil LCS/LCSD.

All data are considered usable with estimated (UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Qualified Data Section

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-01	**Date Collected**	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/14/21 00:42
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V17210913N19	**Instrument ID**	: VOA117
Sample Amount	: 3.4 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 91
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	430	200	U
75-34-3	1,1-Dichloroethane	12	85	12.	J
67-66-3	Chloroform	14	130	12.	J
56-23-5	Carbon tetrachloride	ND	85	20.	U
127-18-4	Tetrachloroethene	ND	43	17.	U
108-90-7	Chlorobenzene	ND	43	11.	U
107-06-2	1,2-Dichloroethane	ND	85	22.	U
71-55-6	1,1,1-Trichloroethane	1400	43	14.	
71-43-2	Benzene	ND	43	14.	U
108-88-3	Toluene	ND	85	46.	U
100-41-4	Ethylbenzene	ND	85	12.	U
75-01-4	Vinyl chloride	ND	85	29.	U
75-35-4	1,1-Dichloroethene	22	85	20.	J
156-60-5	trans-1,2-Dichloroethene	ND	130	12.	U
79-01-6	Trichloroethene	18000	43	12.	
95-50-1	1,2-Dichlorobenzene	ND	170	12.	U
541-73-1	1,3-Dichlorobenzene	ND	170	13.	U
106-46-7	1,4-Dichlorobenzene	ND	170	15.	U
1634-04-4	Methyl tert butyl ether	ND	170	17.	U
179601-23-1	p/m-Xylene	ND	170	48.	U
95-47-6	o-Xylene	ND	85	25.	U
156-59-2	cis-1,2-Dichloroethene	390	85	15.	
67-64-1	Acetone	ND	850	410	U
78-93-3	2-Butanone	ND	850	190	U
104-51-8	n-Butylbenzene	ND	85	14.	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-01	**Date Collected**	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/14/21 00:42
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V17210913N19	**Instrument ID**	: VOA117
Sample Amount	: 3.4 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 91
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	ND	85	12.	U
98-06-6	tert-Butylbenzene	ND	170	10.	U
103-65-1	n-Propylbenzene	ND	85	15.	U
108-67-8	1,3,5-Trimethylbenzene	ND	170	16.	U
95-63-6	1,2,4-Trimethylbenzene	ND	170	28.	U
123-91-1	1,4-Dioxane	ND	6800	3000	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-02	**Date Collected**	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/14/21 01:08
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V17210913N20	**Instrument ID**	: VOA117
Sample Amount	: 5.4 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 86
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	310	140	U
75-34-3	1,1-Dichloroethane	31	61	8.9	J
67-66-3	Chloroform	10	92	8.6	J
56-23-5	Carbon tetrachloride	ND	61	14.	U
127-18-4	Tetrachloroethene	100	31	12.	
108-90-7	Chlorobenzene	ND	31	7.8	U
107-06-2	1,2-Dichloroethane	ND	61	16.	U
71-55-6	1,1,1-Trichloroethane	160	31	10.	
71-43-2	Benzene	ND	31	10.	U
108-88-3	Toluene	ND	61	33.	U
100-41-4	Ethylbenzene	ND	61	8.6	U
75-01-4	Vinyl chloride	ND	61	20.	U
75-35-4	1,1-Dichloroethene	ND	61	15.	U
156-60-5	trans-1,2-Dichloroethene	18	92	8.4	J
79-01-6	Trichloroethene	6400	31	8.4	
95-50-1	1,2-Dichlorobenzene	ND	120	8.8	U
541-73-1	1,3-Dichlorobenzene	ND	120	9.1	U
106-46-7	1,4-Dichlorobenzene	ND	120	10.	U
1634-04-4	Methyl tert butyl ether	ND	120	12.	U
179601-23-1	p/m-Xylene	ND	120	34.	U
95-47-6	o-Xylene	ND	61	18.	U
156-59-2	cis-1,2-Dichloroethene	670	61	11.	
67-64-1	Acetone	ND	610	300	U
78-93-3	2-Butanone	ND	610	140	U
104-51-8	n-Butylbenzene	12	61	10.	J

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-02	**Date Collected**	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/14/21 01:08
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V17210913N20	**Instrument ID**	: VOA117
Sample Amount	: 5.4 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 86
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	17	61	9.0	J
98-06-6	tert-Butylbenzene	ND	120	7.2	U
103-65-1	n-Propylbenzene	ND	61	10.	U
108-67-8	1,3,5-Trimethylbenzene	ND	120	12.	U
95-63-6	1,2,4-Trimethylbenzene	ND	120	20.	U
123-91-1	1,4-Dioxane	ND	4900	2200	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-01	Date Collected	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/10/21 16:47
Sample Matrix	: SOIL	Date Extracted	: 09/09/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 47873-01	Analyst	: CMM
Sample Amount	: 30.5 g	Instrument ID	: JULIET
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	140	19.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
206-44-0	Fluoranthene	ND	110	21.	U
91-20-3	Naphthalene	ND	180	22.	U
56-55-3	Benzo(a)anthracene	ND	110	20.	U
50-32-8	Benzo(a)pyrene	ND	140	44.	U
205-99-2	Benzo(b)fluoranthene	ND	110	30.	U
207-08-9	Benzo(k)fluoranthene	ND	110	29.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	140	28.	U
120-12-7	Anthracene	ND	110	35.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	18.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	25.	U
129-00-0	Pyrene	ND	110	18.	U
132-64-9	Dibenzofuran	ND	180	17.	U
87-86-5	Pentachlorophenol	ND	140	40.	U
108-95-2	Phenol	ND	180	27.	U
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	28.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-02	Date Collected	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/10/21 17:11
Sample Matrix	: SOIL	Date Extracted	: 09/09/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 47873-02	Analyst	: CMM
Sample Amount	: 30.29 g	Instrument ID	: JULIET
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	150	20.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
206-44-0	Fluoranthene	ND	110	22.	U
91-20-3	Naphthalene	ND	190	23.	U
56-55-3	Benzo(a)anthracene	ND	110	22.	U
50-32-8	Benzo(a)pyrene	ND	150	47.	U
205-99-2	Benzo(b)fluoranthene	ND	110	32.	U
207-08-9	Benzo(k)fluoranthene	ND	110	31.	U
218-01-9	Chrysene	ND	110	20.	U
208-96-8	Acenaphthylene	ND	150	30.	U
120-12-7	Anthracene	ND	110	37.	U
191-24-2	Benzo(ghi)perylene	ND	150	22.	U
86-73-7	Fluorene	ND	190	18.	U
85-01-8	Phenanthrene	ND	110	23.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	22.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	150	27.	U
129-00-0	Pyrene	ND	110	19.	U
132-64-9	Dibenzofuran	ND	190	18.	U
87-86-5	Pentachlorophenol	ND	150	42.	U
108-95-2	Phenol	ND	190	29.	U
95-48-7	2-Methylphenol	ND	190	30.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	280	30.	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-01	**Date Collected**	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/11/21 17:53
Sample Matrix	: SOIL	**Date Extracted**	: 09/09/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210911a-23	**Analyst**	: AR
Sample Amount	: 30.27 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	182	4.83	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-02	**Date Collected**	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/11/21 18:11
Sample Matrix	: SOIL	**Date Extracted**	: 09/09/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210911a-24	**Analyst**	: AR
Sample Amount	: 30.39 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 86
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	191	5.07	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-01	Date Collected	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/10/21 12:49
Sample Matrix	: SOIL	Date Extracted	: 09/09/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 16210910a-18	Analyst	: AWS
Sample Amount	: 15.71 g	Instrument ID	: PEST16
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	35.0	3.11	U
11104-28-2	Aroclor 1221	ND	35.0	3.51	U
11141-16-5	Aroclor 1232	ND	35.0	7.42	U
53469-21-9	Aroclor 1242	ND	35.0	4.72	U
12672-29-6	Aroclor 1248	ND	35.0	5.25	U
11097-69-1	Aroclor 1254	ND	35.0	3.83	U
37324-23-5	Aroclor 1262	ND	35.0	4.45	U
11100-14-4	Aroclor 1268	14.4	35.0	3.63	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-01	**Date Collected**	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/10/21 12:49
Sample Matrix	: SOIL	**Date Extracted**	: 09/09/21
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 16210910a-18	**Analyst**	: AWS
Sample Amount	: 15.71 g	**Instrument ID**	: PEST16
Extraction Method	: EPA 3546	**GC Column**	: CLP-PesticideII
Extract Volume	: 1000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
11096-82-5	Aroclor 1260	11.1	35.0	6.47	J
1336-36-3	PCBs, Total	25.5	35.0	3.11	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-02	**Date Collected**	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/10/21 12:58
Sample Matrix	: SOIL	**Date Extracted**	: 09/09/21
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: 16210910a-19	**Analyst**	: AWS
Sample Amount	: 15.39 g	**Instrument ID**	: PEST16
Extraction Method	: EPA 3546	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: 86
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	37.6	3.34	U
11104-28-2	Aroclor 1221	ND	37.6	3.77	U
11141-16-5	Aroclor 1232	ND	37.6	7.98	U
53469-21-9	Aroclor 1242	ND	37.6	5.07	U
12672-29-6	Aroclor 1248	ND	37.6	5.65	U
11097-69-1	Aroclor 1254	ND	37.6	4.12	U
11096-82-5	Aroclor 1260	ND	37.6	6.96	U
37324-23-5	Aroclor 1262	ND	37.6	4.78	U
11100-14-4	Aroclor 1268	ND	37.6	3.90	U
1336-36-3	PCBs, Total	ND	37.6	3.34	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-01	Date Collected	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/10/21 14:17
Sample Matrix	: SOIL	Date Extracted	: 09/09/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11210910a-16	Analyst	: JAW
Sample Amount	: 15.58 g	Instrument ID	: PEST11
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.69	0.332	U
58-89-9	Lindane	ND	0.706	0.316	U
319-84-6	Alpha-BHC	ND	0.706	0.200	U
319-85-7	Beta-BHC	ND	1.69	0.642	U
76-44-8	Heptachlor	ND	0.847	0.380	U
309-00-2	Aldrin	ND	1.69	0.597	U
72-20-8	Endrin	ND	0.706	0.290	U
60-57-1	Dieldrin	ND	1.06	0.530	U
72-55-9	4,4'-DDE	ND	1.69	0.392	U
72-54-8	4,4'-DDD	ND	1.69	0.604	U
50-29-3	4,4'-DDT	ND	3.18	1.36	U
959-98-8	Endosulfan I	ND	1.69	0.400	U
33213-65-9	Endosulfan II	ND	1.69	0.566	U
1031-07-8	Endosulfan sulfate	ND	0.706	0.336	U
5103-71-9	cis-Chlordane	ND	2.12	0.590	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-02	Date Collected	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/10/21 14:28
Sample Matrix	: SOIL	Date Extracted	: 09/09/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11210910a-17	Analyst	: JAW
Sample Amount	: 15.84 g	Instrument ID	: PEST11
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 86
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.76	0.344	U
58-89-9	Lindane	ND	0.732	0.327	U
319-84-6	Alpha-BHC	ND	0.732	0.208	U
319-85-7	Beta-BHC	ND	1.76	0.666	U
76-44-8	Heptachlor	ND	0.878	0.394	U
309-00-2	Aldrin	ND	1.76	0.618	U
72-20-8	Endrin	ND	0.732	0.300	U
60-57-1	Dieldrin	ND	1.10	0.549	U
72-55-9	4,4'-DDE	ND	1.76	0.406	U
72-54-8	4,4'-DDD	ND	1.76	0.626	U
50-29-3	4,4'-DDT	ND	3.29	1.41	U
959-98-8	Endosulfan I	ND	1.76	0.415	U
33213-65-9	Endosulfan II	ND	1.76	0.587	U
1031-07-8	Endosulfan sulfate	ND	0.732	0.348	U
5103-71-9	cis-Chlordane	ND	2.19	0.612	U

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-01	Date Collected	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/10/21 16:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: SV
Lab File ID	: WG1544791.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.3g	%Solids	: 91
Digestion Method	: EPA 3050B	Date Digested	: 09/09/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-38-2	Arsenic, Total	6.85	0.423	0.088	
7440-39-3	Barium, Total	146	0.423	0.074	
7440-41-7	Beryllium, Total	0.567	0.212	0.014	
7440-43-9	Cadmium, Total	ND	0.423	0.042	U
7440-47-3	Chromium, Total	17.1	0.423	0.041	
7440-50-8	Copper, Total	42.4	0.423	0.109	
7439-92-1	Lead, Total	15.8	2.12	0.113	
7439-96-5	Manganese, Total	647	0.423	0.067	
7440-02-0	Nickel, Total	26.3	1.06	0.102	
7782-49-2	Selenium, Total	0.262	0.846	0.109	J
7440-22-4	Silver, Total	ND	0.423	0.120	U
7440-66-6	Zinc, Total	84.9	2.12	0.124	

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-02	Date Collected	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/10/21 16:09
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: SV
Lab File ID	: WG1544791.pdf	Instrument ID	: TRACE5
Sample Amount	: 1.288g	%Solids	: 86
Digestion Method	: EPA 3050B	Date Digested	: 09/09/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-38-2	Arsenic, Total	1.74	0.450	0.094	
7440-39-3	Barium, Total	52.9	0.450	0.078	
7440-41-7	Beryllium, Total	0.324	0.225	0.015	
7440-43-9	Cadmium, Total	ND	0.450	0.044	U
7440-47-3	Chromium, Total	13.2	0.450	0.043	
7440-50-8	Copper, Total	22.2	0.450	0.116	
7439-92-1	Lead, Total	4.31	2.25	0.120	
7439-96-5	Manganese, Total	109	0.450	0.072	
7440-02-0	Nickel, Total	16.9	1.12	0.109	
7782-49-2	Selenium, Total	ND	0.900	0.116	U
7440-22-4	Silver, Total	ND	0.450	0.127	U
7440-66-6	Zinc, Total	61.6	2.25	0.132	

Form 1
METALS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: L2147873-01	**Date Collected**	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	**Date Received**	: 09/07/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/09/21 12:02
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7471B	**Analyst**	: OU
Lab File ID	: WG1544339.pdf	**Instrument ID**	: NIC3
Sample Amount	: 0.399g	**%Solids**	: 91
Digestion Method	: EPA 7471B	**Date Digested**	: 09/09/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	0.084	0.069	0.045	

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-02	Date Collected	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/09/21 12:06
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: OU
Lab File ID	: WG1544339.pdf	Instrument ID	: NIC3
Sample Amount	: 0.394g	%Solids	: 86
Digestion Method	: EPA 7471B	Date Digested	: 09/09/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	ND	0.074	0.048	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-01	Date Collected	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 16:17
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: CR
Lab File ID	: TCN091421-E	Instrument ID	: LACHAT
Sample Amount	: 1.0791g	%Solids	: 91
Digestion Method	:	Date Digested	: 09/14/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
57-12-5	Cyanide, Total	ND	1.0	0.22	U	UJ

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-02	Date Collected	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 16:18
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: CR
Lab File ID	: TCN091421-E	Instrument ID	: LACHAT
Sample Amount	: 1.0188g	%Solids	: 86
Digestion Method	:	Date Digested	: 09/14/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
57-12-5	Cyanide, Total	ND	1.1	0.24	U	UJ

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-01	Date Collected	: 09/07/21 08:15
Client ID	: IRM-SW-W-5.5'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 17:00
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7196A	Analyst	: PB
Lab File ID	: WG1544973.csv	Instrument ID	: GENSYS10VI
Sample Amount	: 2.4826g	%Solids	: 91
Digestion Method	: EPA 3060A	Date Digested	: 09/13/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
18540-29-9	Chromium, Hexavalent	ND	0.880	0.176	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: L2147873-02	Date Collected	: 09/07/21 08:30
Client ID	: IRM-SW-SW-7'-2021-09-07	Date Received	: 09/07/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 17:00
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7196A	Analyst	: PB
Lab File ID	: WG1544973.csv	Instrument ID	: GENSYS10VI
Sample Amount	: 2.5338g	%Solids	: 86
Digestion Method	: EPA 3060A	Date Digested	: 09/13/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
18540-29-9	Chromium, Hexavalent	ND	0.927	0.185	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, methyl acetate, 2-butanone, trichloroethene, 4-methyl-2-pentanone, and 2-hexanone were below the method minimums, but not below 0.010 for VOA117 on 07-26-21. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The %Ds for applicable target compounds were below the method maximum, as required. The RRFs for dichlorodifluoromethane, methyl acetate, trichloroethene and 2-hexanone were below the method minimums, but not below 0.010 on 09-13-21 (V17210913N01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %Ds were below the allowable maximum (20%), as required.

Blanks: Method blank WG1546058-5BLANK contained a trace of 2-butanone (120 ug/kg). Positive results for 2-butanone that are less than 10 times the method blank level should be considered not detected (U) in associated samples.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1546058-3/4.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Lab ID	: WG1546058-5	Date Collected	: NA
Client ID	: WG1546058-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/13/21 18:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V17210913N04	Instrument ID	: VOA117
Sample Amount	: 15.0 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: NA
Extract Volume (MeOH)	: 15 ml	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	250	110	U
75-34-3	1,1-Dichloroethane	ND	50	7.2	U
67-66-3	Chloroform	ND	75	7.0	U
56-23-5	Carbon tetrachloride	ND	50	12.	U
127-18-4	Tetrachloroethene	ND	25	9.8	U
108-90-7	Chlorobenzene	ND	25	6.4	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.3	U
108-88-3	Toluene	ND	50	27.	U
100-41-4	Ethylbenzene	ND	50	7.0	U
75-01-4	Vinyl chloride	ND	50	17.	U
75-35-4	1,1-Dichloroethene	ND	50	12.	U
156-60-5	trans-1,2-Dichloroethene	ND	75	6.8	U
79-01-6	Trichloroethene	ND	25	6.8	U
95-50-1	1,2-Dichlorobenzene	ND	100	7.2	U
541-73-1	1,3-Dichlorobenzene	ND	100	7.4	U
106-46-7	1,4-Dichlorobenzene	ND	100	8.6	U
1634-04-4	Methyl tert butyl ether	ND	100	10.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	ND	50	8.8	U
67-64-1	Acetone	ND	500	240	U
78-93-3	2-Butanone	120	500	110	J
104-51-8	n-Butylbenzene	ND	50	8.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Lab ID	: WG1546058-5	**Date Collected**	: NA
Client ID	: WG1546058-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/13/21 18:05
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V17210913N04	**Instrument ID**	: VOA117
Sample Amount	: 15.0 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: NA
Extract Volume (MeOH)	: 15 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	ND	50	7.3	U
98-06-6	tert-Butylbenzene	ND	100	5.9	U
103-65-1	n-Propylbenzene	ND	50	8.6	U
108-67-8	1,3,5-Trimethylbenzene	ND	100	9.6	U
95-63-6	1,2,4-Trimethylbenzene	ND	100	17.	U
123-91-1	1,4-Dioxane	ND	4000	1800	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2147873**
Project Name	**: TROY BELTING- IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA117**	**Ical Ref**	**: ICAL18177**
Calibration dates	**: 07/26/21 22:08 07/27/21 01:36**		

Calibration Files

L1 =V17210726N05.D L2 =V17210726N07.D L3 =V17210726N08.D L4 =V17210726N09.D L6 =V17210726N10.D

L7 =V17210726N11.D L8 =V17210726N12.D L0 =V17210726N04.D L1.5=V17210726N06.D

		Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluoromethane	0.051	0.066	0.066	0.065	0.065	0.063	0.060		0.066	0.063	8.59
3)	TP	Chloromethane	0.148	0.137	0.128	0.124	0.122	0.121	0.117		0.148	0.131	9.51
4)	TC	Vinyl chloride	0.157	0.156	0.155	0.154	0.154	0.149	0.143		0.161	0.154	3.47
5)	TP	Bromomethane	0.193	0.172	0.140	0.124	0.117	0.117	0.114		0.180	*Q	0.9991
6)	TP	Chloroethane	0.141	0.143	0.135	0.134	0.134	0.112			0.150	0.136	8.96
7)	TP	Trichlorofluoromethane	0.256	0.276	0.278	0.280	0.278	0.270	0.257		0.288	0.273	4.21
8)	TP	Ethyl ether	0.106	0.108	0.103	0.102	0.104	0.104	0.100		0.107	0.104	2.56
10)	TC	1,1-Dichloroethene	0.130	0.137	0.140	0.138	0.139	0.137	0.134		0.145	0.137	3.17
11)	TP	Carbon disulfide		0.467	0.431	0.425	0.422	0.415	0.402		0.540	0.443	10.61
12)	TP	Freon-113	0.124	0.133	0.138	0.138	0.136	0.134	0.131		0.145	0.135	4.53
14)	TP	Acrolein	0.010	0.013	0.013	0.013	0.014	0.014	0.014		0.009	0.012#	14.03
15)	TP	Methylene chloride	0.351	0.234	0.178	0.169	0.167	0.164	0.160		0.287	*L	0.9996
17)	TP	Acetone	0.068	0.041	0.028	0.027	0.027	0.028	0.027		0.047	*L	0.9996
18)	TP	trans-1,2-Dichloroethene	0.166	0.171	0.169	0.168	0.168	0.165	0.160		0.177	0.168	2.79
19)	TP	Methyl acetate	0.071	0.072	0.064	0.065	0.068	0.071	0.069		0.071	0.069#	4.30
20)	TP	Methyl tert-butyl ether	0.406	0.408	0.409	0.421	0.432	0.436	0.425		0.421	0.420	2.70
21)	TP	tert-Butyl alcohol	0.012	0.012	0.012	0.012	0.013	0.013	0.013		0.012	0.012#	4.84
22)	TP	Diisopropyl ether	0.445	0.463	0.481	0.495	0.508	0.513	0.502		0.467	0.484	5.03
23)	TP	1,1-Dichloroethane	0.292	0.309	0.301	0.299	0.300	0.298	0.288		0.324	0.301	3.67
24)	TP	Halothane	0.116	0.126	0.126	0.127	0.127	0.125	0.122		0.126	0.124	3.03
25)	TP	Acrylonitrile	0.029	0.037	0.036	0.038	0.039	0.040	0.038		0.033	*L	0.9996
26)	TP	Ethyl tert-butyl ether	0.426	0.441	0.459	0.476	0.496	0.501	0.493		0.449	0.468	5.98
27)	TP	Vinyl acetate	0.259	0.251	0.251	0.258	0.273	0.262	0.281		0.252	0.261	4.26
28)	TP	cis-1,2-Dichloroethene	0.176	0.197	0.189	0.188	0.190	0.186	0.181		0.188	0.187	3.32
29)	TP	2,2-Dichloropropane	0.263	0.263	0.263	0.263	0.264	0.259	0.252		0.271	0.262	2.00
30)	TP	Bromochloromethane	0.083	0.083	0.080	0.079	0.078	0.075	0.072		0.078	0.079	4.85
31)	TP	Cyclohexane	0.262	0.256	0.263	0.266	0.262	0.257	0.250		0.273	0.261	2.73
32)	TC	Chloroform	0.398	0.350	0.330	0.326	0.323	0.305	0.295		0.369	0.337	10.03
33)	TP	Ethyl acetate	0.106	0.100	0.098	0.103	0.107	0.108	0.104		0.088	0.102	6.37
34)	TP	Carbon tetrachloride	0.235	0.234	0.239	0.242	0.244	0.241	0.235		0.250	0.240	2.31
35)	TP	Tetrahydrofuran	0.034	0.035	0.030	0.032	0.032	0.032	0.030		0.040	*L	0.9992
36)	S	Dibromofluoromethane	0.250	0.248	0.238	0.238	0.236	0.235	0.236	0.249	0.249	0.242	2.69
37)	TP	1,1,1-Trichloroethane	0.259	0.268	0.268	0.270	0.268	0.260	0.251	0.241	0.280	0.263	4.40
39)	TP	2-Butanone	0.045	0.046	0.042	0.042	0.044	0.045	0.044		0.046	*L	0.9993
40)	TP	1,1-Dichloropropene	0.225	0.231	0.230	0.233	0.230	0.224	0.217	0.195	0.224	0.223	5.18

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31
Instrument ID	: VOA117	**Ical Ref**	: ICAL18177
Calibration dates	: 07/26/21 22:08 07/27/21 01:36		

Calibration Files

L1 =V17210726N05.D L2 =V17210726N07.D L3 =V17210726N08.D L4 =V17210726N09.D L6 =V17210726N10.D

L7 =V17210726N11.D L8 =V17210726N12.D L0 =V17210726N04.D L1.5=V17210726N06.D

		Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
41)	TP	Benzene	0.695	0.689	0.674	0.673	0.670	0.658	0.636	0.663	0.700	0.673	2.95
42)	TP	tert-Amyl methyl ether	0.363	0.382	0.390	0.411	0.429	0.432	0.422		0.375	0.400	6.60
43)	S	1,2-Dichloroethane-d4	0.241	0.240	0.227	0.228	0.236	0.238	0.241	0.237	0.240	0.236	2.27
44)	TP	1,2-Dichloroethane	0.217	0.210	0.202	0.206	0.206	0.202	0.196		0.218	0.207	3.62
47)	TP	Methyl cyclohexane	0.266	0.261	0.278	0.284	0.284	0.278	0.271		0.274	0.274	3.00
48)	TP	Trichloroethene	0.174	0.183	0.185	0.186	0.186	0.185	0.177	0.157	0.198	0.181#	6.20
50)	TP	Dibromomethane	0.087	0.093	0.092	0.093	0.094	0.094	0.092		0.093	0.092	2.45
51)	TC	1,2-Dichloropropane	0.155	0.176	0.172	0.174	0.176	0.174	0.169		0.172	0.171	3.95
53)	TP	2-Chloroethyl vinyl ether	0.070	0.078	0.083	0.089	0.094	0.093	0.090		0.078	0.084	10.25
54)	TP	Bromodichloromethane	0.225	0.231	0.231	0.237	0.242	0.242	0.236	0.190	0.232	0.230	6.89
57)	TP	1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001#	9.70
58)	TP	cis-1,3-Dichloropropene	0.229	0.253	0.264	0.273	0.281	0.281	0.270	0.217	0.248	0.257	8.73
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.301	1.289	1.303	1.302	1.313	1.302	1.286	1.305	1.293	1.299	0.65
61)	TC	Toluene	0.621	0.595	0.590	0.596	0.599	0.586	0.567		0.595	0.594	2.51
62)	TP	4-Methyl-2-pentanone		0.045	0.052	0.057	0.060	0.061	0.059		0.042	*L	0.9993
63)	TP	Tetrachloroethene	0.226	0.233	0.248	0.250	0.253	0.245	0.236	0.201	0.243	0.237	6.79
65)	TP	trans-1,3-Dichloropropene	0.244	0.268	0.303	0.318	0.333	0.329	0.319		0.265	0.297	11.31
67)	TP	Ethyl methacrylate	0.202	0.214	0.235	0.249	0.261	0.261	0.253		0.208	0.235	10.40
68)	TP	1,1,2-Trichloroethane	0.125	0.136	0.147	0.151	0.154	0.152	0.148		0.136	0.144	7.21
69)	TP	Chlorodibromomethane	0.175	0.191	0.207	0.219	0.231	0.229	0.224	0.157	0.198	0.203	12.66
70)	TP	1,3-Dichloropropane	0.278	0.295	0.307	0.313	0.318	0.309	0.298		0.290	0.301	4.41
71)	TP	1,2-Dibromoethane	0.140	0.157	0.166	0.174	0.181	0.178	0.171	0.130	0.159	0.162	10.66
72)	TP	2-Hexanone	0.076	0.084	0.084	0.093	0.098	0.102	0.097		0.073	0.088#	12.02
73)	TP	Chlorobenzene	0.635	0.659	0.664	0.665	0.676	0.656	0.636	0.576	0.659	0.647	4.60
74)	TC	Ethylbenzene	1.117	1.121	1.162	1.154	1.165	1.132	1.094		1.143	1.136	2.16
75)	TP	1,1,1,2-Tetrachloroethane	0.184	0.210	0.227	0.236	0.247	0.241	0.236	0.185	0.214	0.220	10.64
76)	TP	p/m Xylene	0.434	0.430	0.442	0.444	0.446	0.436	0.420	0.378	0.434	0.429	4.82
77)	TP	o Xylene	0.386	0.416	0.423	0.422	0.430	0.425	0.416	0.375	0.398	0.410	4.70
78)	TP	Styrene	0.635	0.672	0.716	0.715	0.735	0.721	0.701	0.586	0.677	0.684	6.99
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.185	0.216	0.238	0.260	0.265	0.262			0.238	13.47
82)	TP	Isopropylbenzene	1.960	2.130	2.300	2.313	2.321	2.273	2.204		2.140	2.205	5.64
83)	S	4-Bromofluorobenzene	0.885	0.886	0.906	0.927	0.928	0.920	0.912	0.887	0.909	0.907	1.90
84)	TP	Bromobenzene	0.472	0.513	0.527	0.536	0.538	0.528	0.512		0.516	0.518	4.06
85)	TP	n-Propylbenzene	2.485	2.601	2.720	2.780	2.788	2.751	2.662		2.690	2.685	3.80

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2147873**
Project Name	**: TROY BELTING- IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA117**	**Ical Ref**	**: ICAL18177**
Calibration dates	**: 07/26/21 22:08 07/27/21 01:36**		

Calibration Files

L1 =V17210726N05.D L2 =V17210726N07.D L3 =V17210726N08.D L4 =V17210726N09.D L6 =V17210726N10.D

L7 =V17210726N11.D L8 =V17210726N12.D L0 =V17210726N04.D L1.5=V17210726N06.D

	Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
86) TP	1,4-Dichlorobutane	0.570	0.596	0.607	0.637	0.663	0.667	0.657		0.584	0.622	6.11
87) TP	1,1,2,2-Tetrachloroethane	0.364	0.381	0.395	0.414	0.422	0.417	0.410	0.330	0.372	0.389	7.83
88) TP	4-Ethyltoluene	2.103	2.152	2.247	2.258	2.261	2.226	2.141		2.196	2.198	2.72
89) TP	2-Chlorotoluene	1.419	1.513	1.580	1.589	1.608	1.542	1.502		1.627	1.547	4.41
90) TP	1,3,5-Trimethylbenzene	1.736	1.844	1.910	1.918	1.909	1.882	1.835		1.885	1.865	3.24
91) TP	1,2,3-Trichloropropane	0.293	0.306	0.312	0.329	0.335	0.336	0.329		0.311	0.319	4.91
92) TP	trans-1,4-Dichloro-2-b...		0.100	0.115	0.129	0.133	0.136	0.132		0.097	0.120	13.57
93) TP	4-Chlorotoluene	1.474	1.576	1.632	1.645	1.658	1.636	1.578		1.611	1.601	3.72
94) TP	tert-Butylbenzene	1.446	1.567	1.634	1.660	1.675	1.651	1.606		1.558	1.600	4.70
97) TP	1,2,4-Trimethylbenzene	1.732	1.835	1.903	1.914	1.916	1.892	1.839		1.874	1.863	3.30
98) TP	sec-Butylbenzene	2.201	2.384	2.506	2.546	2.561	2.524	2.435		2.506	2.458	4.84
99) TP	p-Isopropyltoluene	1.857	2.017	2.140	2.129	2.169	2.139	2.073		2.051	2.072	4.87
100) TP	1,3-Dichlorobenzene	1.003	1.041	1.076	1.077	1.086	1.072	1.030		1.097	1.060	3.05
101) TP	1,4-Dichlorobenzene	1.017	1.060	1.064	1.060	1.070	1.050	1.011		1.088	1.052	2.49
102) TP	p-Diethylbenzene	1.103	1.202	1.290	1.295	1.309	1.306	1.257		1.225	1.248	5.65
103) TP	n-Butylbenzene	1.730	1.851	2.010	2.002	2.012	1.986	1.897		1.961	1.931	5.17
104) TP	1,2-Dichlorobenzene	0.908	0.942	0.970	0.974	0.984	0.970	0.939		0.958	0.956	2.60
105) TP	1,2,4,5-Tetramethylben...	1.716	1.893	2.027	2.062	2.144	2.142	2.074		1.918	1.997	7.33
106) TP	1,2-Dibromo-3-chloropr...		0.058	0.059	0.065	0.069	0.071	0.068		0.051	0.063	11.65
107) TP	1,3,5-Trichlorobenzene	0.709	0.734	0.774	0.773	0.790	0.778	0.735		0.757	0.756	3.68
108) TP	Hexachlorobutadiene	0.331	0.348	0.375	0.381	0.386	0.376	0.360		0.358	0.364	5.17
109) TP	1,2,4-Trichlorobenzene	0.645	0.681	0.704	0.711	0.725	0.704	0.659		0.717	0.693	4.13
110) TP	Naphthalene	1.450	1.433	1.449	1.500	1.522	1.488	1.415		1.445	1.463	2.49
111) TP	1,2,3-Trichlorobenzene	0.607	0.637	0.633	0.638	0.649	0.637	0.608		0.622	0.629	2.39

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2147873	
Project Name	: TROY BELTING- IRM		Project Number	: 2011-31	
Instrument ID	: VOA117		Calibration Date	: 09/13/21 16:45	
Lab File ID	: V17210913N01		Init. Calib. Date(s)	: 07/26/21	07/27/21
Sample No	: WG1546058-2		Init. Calib. Times	: 22:08	01:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	116	-.01
Dichlorodifluoromethane	0.063	0.04*	-	36.5*	20	71	0
Chloromethane	0.131	0.133	-	-1.5	20	124	-.01
Vinyl chloride	0.154	0.145	-	5.8	20	109	0
Bromomethane	40	32.101	-	19.7	20	95	0
Chloroethane	0.136	0.102	-	25*	20	89	0
Trichlorofluoromethane	0.273	0.228	-	16.5	20	95	0
Ethyl ether	0.104	0.077	-	26*	20	88	0
1,1-Dichloroethene	0.137	0.148	-	-8	20	125	0
Carbon disulfide	0.443	0.435	-	1.8	20	119	0
Freon-113	0.135	0.165	-	-22.2*	20	139	0
Acrolein	0.012	0.011*	-	8.3	20	100	-.01
Methylene chloride	40	39.26	-	1.9	20	113	0
Acetone	40	39.481	-	1.3	20	116	0
trans-1,2-Dichloroethene	0.168	0.169	-	-0.6	20	117	0
Methyl acetate	0.069	0.072*	-	-4.3	20	127	-.01
Methyl tert-butyl ether	0.42	0.4	-	4.8	20	110	0
tert-Butyl alcohol	0.012	0.011*	-	8.3	20	110	-.01
Diisopropyl ether	0.484	0.561	-	-15.9	20	132	0
1,1-Dichloroethane	0.301	0.327	-	-8.6	20	127	0
Halothane	0.124	0.129	-	-4	20	118	0
Acrylonitrile	40	40.802	-	-2	20	121	-.01
Ethyl tert-butyl ether	0.468	0.509	-	-8.8	20	124	0
Vinyl acetate	0.261	0.306	-	-17.2	20	138	-.01
cis-1,2-Dichloroethene	0.187	0.182	-	2.7	20	112	0
2,2-Dichloropropane	0.262	0.277	-	-5.7	20	123	0
Bromochloromethane	0.079	0.072	-	8.9	20	106	-.01
Cyclohexane	0.261	0.326	-	-24.9*	20	142	0
Chloroform	0.337	0.313	-	7.1	20	111	-.01
Ethyl acetate	0.102	0.104	-	-2	20	118	-.01
Carbon tetrachloride	0.24	0.247	-	-2.9	20	119	0
Tetrahydrofuran	40	42.266	-	-5.7	20	119	-.01
Dibromofluoromethane	0.242	0.248	-	-2.5	20	121	-.01
1,1,1-Trichloroethane	0.263	0.273	-	-3.8	20	117	0
2-Butanone	40	41.309	-	-3.3	20	127	-.01
1,1-Dichloropropene	0.223	0.233	-	-4.5	20	116	0
Benzene	0.673	0.663	-	1.5	20	115	-.01
tert-Amyl methyl ether	0.4	0.393	-	1.8	20	111	-.01
1,2-Dichloroethane-d4	0.236	0.253	-	-7.2	20	129	0
1,2-Dichloroethane	0.207	0.204	-	1.4	20	115	0
Methyl cyclohexane	0.274	0.312	-	-13.9	20	128	0
Trichloroethene	0.181	0.182*	-	-0.6	20	113	-.01
Dibromomethane	0.092	0.082	-	10.9	20	103	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2147873	
Project Name	: TROY BELTING- IRM		Project Number	: 2011-31	
Instrument ID	: VOA117		Calibration Date	: 09/13/21 16:45	
Lab File ID	: V17210913N01		Init. Calib. Date(s)	: 07/26/21	07/27/21
Sample No	: WG1546058-2		Init. Calib. Times	: 22:08	01:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.171	0.174	-	-1.8	20	116	-.01
2-Chloroethyl vinyl ether	0.084	0.076	-	9.5	20	99	0
Bromodichloromethane	0.23	0.222	-	3.5	20	109	0
1,4-Dioxane	0.00133	0.00121*	-	9	20	99	-.01
cis-1,3-Dichloropropene	0.257	0.259	-	-0.8	20	110	-.01
Chlorobenzene-d5	1	1	-	0	20	114	-.01
Toluene-d8	1.299	1.377	-	-6	20	120	0
Toluene	0.594	0.592	-	0.3	20	113	0
4-Methyl-2-pentanone	40	37.067	-	7.3	20	108	0
Tetrachloroethene	0.237	0.246	-	-3.8	20	112	-.01
trans-1,3-Dichloropropene	0.297	0.31	-	-4.4	20	111	0
Ethyl methacrylate	0.235	0.218	-	7.2	20	100	0
1,1,2-Trichloroethane	0.144	0.142	-	1.4	20	107	0
Chlorodibromomethane	0.203	0.199	-	2	20	103	0
1,3-Dichloropropane	0.301	0.297	-	1.3	20	108	-.01
1,2-Dibromoethane	0.162	0.158	-	2.5	20	103	0
2-Hexanone	0.088	0.091*	-	-3.4	20	112	0
Chlorobenzene	0.647	0.632	-	2.3	20	108	0
Ethylbenzene	1.136	1.153	-	-1.5	20	114	-.01
1,1,1,2-Tetrachloroethane	0.22	0.222	-	-0.9	20	107	-.01
p/m Xylene	0.429	0.43	-	-0.2	20	110	0
o Xylene	0.41	0.402	-	2	20	108	0
Styrene	0.684	0.667	-	2.5	20	106	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	110	-.01
Bromoform	0.238	0.218	-	8.4	20	101	0
Isopropylbenzene	2.205	2.331	-	-5.7	20	111	0
4-Bromofluorobenzene	0.907	0.981	-	-8.2	20	116	0
Bromobenzene	0.518	0.485	-	6.4	20	99	-.01
n-Propylbenzene	2.685	2.795	-	-4.1	20	110	0
1,4-Dichlorobutane	0.622	0.675	-	-8.5	20	117	0
1,1,2,2-Tetrachloroethane	0.389	0.392	-	-0.8	20	104	0
4-Ethyltoluene	2.198	2.259	-	-2.8	20	110	0
2-Chlorotoluene	1.547	1.576	-	-1.9	20	109	0
1,3,5-Trimethylbenzene	1.865	1.926	-	-3.3	20	110	0
1,2,3-Trichloropropane	0.319	0.311	-	2.5	20	104	-.01
trans-1,4-Dichloro-2-buten	0.12	0.129	-	-7.5	20	110	0
4-Chlorotoluene	1.601	1.663	-	-3.9	20	111	0
tert-Butylbenzene	1.6	1.665	-	-4.1	20	110	0
1,2,4-Trimethylbenzene	1.863	1.907	-	-2.4	20	109	-.01
sec-Butylbenzene	2.458	2.57	-	-4.6	20	111	0
p-Isopropyltoluene	2.072	2.138	-	-3.2	20	110	0
1,3-Dichlorobenzene	1.06	1.025	-	3.3	20	104	0
1,4-Dichlorobenzene	1.052	1.019	-	3.1	20	106	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2147873		
Project Name	: TROY BELTING- IRM	**Project Number**	: 2011-31		
Instrument ID	: VOA117	**Calibration Date**	: 09/13/21 16:45		
Lab File ID	: V17210913N01	**Init. Calib. Date(s)**	: 07/26/21	07/27/21	
Sample No	: WG1546058-2	**Init. Calib. Times**	: 22:08	01:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.248	1.294	-	-3.7	20	110	0
n-Butylbenzene	1.931	2.07	-	-7.2	20	114	0
1,2-Dichlorobenzene	0.956	0.912	-	4.6	20	103	0
1,2,4,5-Tetramethylbenzene	1.997	1.983	-	0.7	20	106	0
1,2-Dibromo-3-chloropropan	0.063	0.053	-	15.9	20	90	0
1,3,5-Trichlorobenzene	0.756	0.788	-	-4.2	20	112	0
Hexachlorobutadiene	0.364	0.396	-	-8.8	20	114	0
1,2,4-Trichlorobenzene	0.693	0.688	-	0.7	20	106	0
Naphthalene	1.463	1.339	-	8.5	20	98	0
1,2,3-Trichlorobenzene	0.629	0.608	-	3.3	20	105	0

* Value outside of QC limits.

SVOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were extracted and analyzed within USEPA holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable target compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable target compounds were above the method minimums and the %Ds were below the method maximum, as required.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1544361-2/3.

Compound ID: Checked surrogates were within GC/MS quantitation limits. The analyses of the soil samples reported target compounds as not detected.

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Pesticide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8081B Pesticide Data
for Alpha Analytical Labs
SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximum and percent recoveries were within QC limits for soil samples WG1544522-2/3.

Initial Calibration: The %RSDs were below the allowable maximum (20%) or the correlation coefficients were above the allowable minimum (0.995) for applicable pesticides on both columns, as required.

Continuing Calibration: The %Ds and average %Ds for target pesticides were below the allowable maximum (20%) for both columns, as required.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within quantitation limits. The analyses of soil samples reported target single component pesticides as not detected.

Pesticide Identification Summary for Multi-Component Analytes: The analyses of soil samples reported target multi-component pesticides as not detected.

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PCB Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8082A PCB Data
for Alpha Analytical Labs
SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for soil samples WG1544626-2/3.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for aroclor 1016 and aroclor-1260 were below the allowable maximum (20%) for both columns, as required.

PCB Identification Summary: Checked surrogate and detected aroclor results were within quantitation limits. The RPDs for dual column quantitation of detected aroclors were below the allowable maximum (25%), as required.

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Herbicide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8151 Herbicide Data
for Alpha Analytical Labs
SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent difference for 2,4,5-TP was below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1544510-2/3.

Initial Calibration: The %RSDs for 2,4,5-TP were below the allowable maximum (20%) for both columns, as required.

Continuing Calibration: The %Ds for 2,4,5-TP were below the allowable maximum (15%) for both columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the soil samples reported 2,4,5-TP as not detected.

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Metals Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Metals Data
for Alpha Analytical Labs
SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses of initial and continuing calibration and method blanks reported target metals as either not detected or below the reporting limits, as required.

Spike Sample Recovery: The percent recoveries for applicable metals were within control limits (75-125%) for soil batch spike sample L2148054-01.

Laboratory Duplicates: The relative percent differences for applicable metals were below the allowable maximum (35%) for soil batch duplicate sample WG1544272-4, as required.

Laboratory Control Sample: The percent recoveries for target metals were within control limits for soil samples WG1544272-2 and WG1544271-2.

Percent Solids: The percent solids for soil samples were above 50%.

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Cyanide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Cyanide
Data for Alpha Analytical Labs
SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for total cyanide were within QC limits (75-125%) for soil batch MS/MSD samples L2148232-06.

Laboratory Duplicates: The relative percent difference for total cyanide was below the allowable maximum (35%) for soil batch MS/MSD sample L2148232-06, as required.

Laboratory Control Sample: The relative percent difference for total cyanide was below the allowable maximum, but 2 of 2 percent recoveries were below QC limits (80-120%), but not below 10% for soil samples WG1546125-2/3. Positive results for total cyanide should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated solid samples.

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Form 7
Laboratory Control Sample

Client	: Sterling Environmental Engineering	Lab Number	: L2147873
Project Name	: TROY BELTING- IRM	Project Number	: 2011-31
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: WG1546125-2	LCS Analysis Date	: 09/14/21 16:10
Dup Sample ID	: WG1546125-3	LCSD Analysis Date	: 09/14/21 16:11

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R		RPD	Recovery Limits	RPD Limit
Cyanide, Total	124.	69.0	56.	124.	97	78.	Q	33	80-120	35

General Chemistry
Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Hexavalent Chromium (Cr6+)
Data for Alpha Analytical Labs
SDG Number: L2147873

2 Soil Samples
Collected September 7, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported Cr6+ as not detected.

Spike Sample Recovery: The percent recoveries for Cr6+ were within QC limits (75-125%) for soil batch spike samples WG1544973-5 and L2148270-0, and soil spike sample IRM-SW-NW-5.5'-2021-09-08.

Laboratory Duplicates: The analysis of soil batch duplicate sample WG1544973-6 was acceptable.

Laboratory Control Sample: The percent recoveries for Cr6+ were within QC limits (80-120%) for soil samples WG1544973-2/3.

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Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2148270

2 Soil Samples and 1 Field duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile, semi-volatile, herbicides, PCB, pesticides, TAL metal, hexavalent chromium, and total cyanide analyses for 2 soil samples and 1 field duplicate.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The volatile results for trichloroethene in both soil samples and the field duplicate were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for trichloroethene marked "E" in the samples were qualified as estimated (J).

- The positive volatile result for vinyl chloride was qualified as "estimated, biased low" (J-) for sample IRM-SW-NC-7'-2021-09-08 because 1 of 2 percent recoveries for vinyl chloride was below QC limits, but not below 10% in the associated soil LCS/LCSD.

- The "not detected" volatile results for vinyl chloride were qualified as "estimated" (UJ) for samples IRM-SW-NW-5.5'-20210908 and DUP20210908 because 1 of 2 percent recoveries for vinyl chloride was below QC limits, but not below 10% in the associated soil LCS/LCSD.

- The positive volatile results for chloroform were qualified as "not detected" (U) for both soil samples and the field duplicate because the levels reported in the samples were not significantly greater than (more than 5 times) the highest associated blank level.

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- The positive semi-volatile results for fluoranthene, benzo(b)fluoranthene, and pyrene were qualified as estimated (J) in samples IRM-SW-NW-5.5'-2021-09-08 and DUP20210908 because the relative percent differences for fluoranthene, benzo(a)fluoranthene, and pyrene were above the allowable maximum in the soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908.

- The positive PCB result for aroclor 1254 was qualified as "estimated, biased high" (J+) in sample DUP20210908 because the %RPD for dual column quantitation of aroclor 1254 was above the allowable maximum, but not above 70% and the higher result was reported.

- The positive metal results for mercury were qualified as estimated, biased high (J+) in both soil samples and the field duplicate because 2 of 2 percent recoveries for mercury were above control limits in the associated soil batch MS/MSD sample.

- The positive metal results for copper were qualified as estimated, biased high (J+) in both soil samples and the field duplicate because 1 of 2 percent recoveries for copper was above control limits in the associated soil batch MS/MSD sample.

- The positive metal results for manganese were qualified as estimated, biased low (J-) in both soil samples and the field duplicate because 2 of 2 percent recoveries for manganese were below control limits, but not below 10% in the associated soil batch MS/MSD sample.

- The positive metal results for lead were qualified as estimated, biased low (J-) in both soil samples and the field duplicate because 2 of 2 percent recoveries for lead were below control limits and below 10% in the associated soil batch MS/MSD sample.

- The positive metal results for zinc were qualified as estimated (J) in both soil samples and the field duplicate because 1 of 2 percent recoveries for zinc was above control limits and one was below control limits, but not below 10% in the associated soil batchMS/MSD sample.

- The "not detected" results for total cyanide were qualified as estimated (UJ) in both soil samples and the field duplicate because 1 of 2 percent recoveries for total cyanide was below control limits, but not below 10% in the associated soil LCS/LCSD.

All data are considered usable with estimated (J, J-, J+, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-01	Date Collected	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 13:30
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V23210915A16	Instrument ID	: VOA123
Sample Amount	: 9.7 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: 91
Extract Volume (MeOH)	: 5 ml	Injection Volume	: N/A

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	160	76.	U	
75-34-3	1,1-Dichloroethane	9.9	33	4.8	J	
67-66-3	Chloroform	6.6	50	4.6	J	U
56-23-5	Carbon tetrachloride	ND	33	7.6	U	
127-18-4	Tetrachloroethene	380	16	6.5		
108-90-7	Chlorobenzene	ND	16	4.2	U	
107-06-2	1,2-Dichloroethane	ND	33	8.5	U	
71-55-6	1,1,1-Trichloroethane	430	16	5.5		
71-43-2	Benzene	ND	16	5.5	U	
108-88-3	Toluene	ND	33	18.	U	
100-41-4	Ethylbenzene	ND	33	4.6	U	
75-01-4	Vinyl chloride	ND	33	11.	U	UJ
75-35-4	1,1-Dichloroethene	15	33	7.8	J	
156-60-5	trans-1,2-Dichloroethene	9.2	50	4.5	J	
79-01-6	Trichloroethene	20000	16	4.5	E	J
95-50-1	1,2-Dichlorobenzene	ND	66	4.8	U	
541-73-1	1,3-Dichlorobenzene	ND	66	4.9	U	
106-46-7	1,4-Dichlorobenzene	ND	66	5.6	U	
1634-04-4	Methyl tert butyl ether	ND	66	6.6	U	
179601-23-1	p/m-Xylene	19	66	18.	J	
95-47-6	o-Xylene	28	33	9.6	J	
156-59-2	cis-1,2-Dichloroethene	590	33	5.8		
67-64-1	Acetone	ND	330	160	U	
78-93-3	2-Butanone	ND	330	73.	U	
104-51-8	n-Butylbenzene	ND	33	5.5	U	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-01	**Date Collected**	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 13:30
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V23210915A16	**Instrument ID**	: VOA123
Sample Amount	: 9.7 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 91
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	ND	33	4.8	U
98-06-6	tert-Butylbenzene	ND	66	3.9	U
103-65-1	n-Propylbenzene	ND	33	5.6	U
108-67-8	1,3,5-Trimethylbenzene	8.4	66	6.4	J
95-63-6	1,2,4-Trimethylbenzene	22	66	11.	J
123-91-1	1,4-Dioxane	ND	2600	1200	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-01D	**Date Collected**	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 00:27
Sample Matrix	: SOIL	**Dilution Factor**	: 5
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V00210914N13	**Instrument ID**	: VOA100
Sample Amount	: 9.7 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 91
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
79-01-6	Trichloroethene	19000	82	23.	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-02D	**Date Collected**	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 00:53
Sample Matrix	: SOIL	**Dilution Factor**	: 10
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V00210914N14	**Instrument ID**	: VOA100
Sample Amount	: 8.7 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 90
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
79-01-6	Trichloroethene	53000	180	51.	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-02D2	Date Collected	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 12:39
Sample Matrix	: SOIL	Dilution Factor	: 4
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V23210915A14	Instrument ID	: VOA123
Sample Amount	: 8.7 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: 90
Extract Volume (MeOH)	: 5 ml	Injection Volume	: N/A

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	740	340	U	
75-34-3	1,1-Dichloroethane	63	150	21.	J	
67-66-3	Chloroform	28	220	21.	J	U
56-23-5	Carbon tetrachloride	ND	150	34.	U	
127-18-4	Tetrachloroethene	9300	74	29.		
108-90-7	Chlorobenzene	ND	74	19.	U	
107-06-2	1,2-Dichloroethane	ND	150	38.	U	
71-55-6	1,1,1-Trichloroethane	650	74	25.		
71-43-2	Benzene	ND	74	24.	U	
108-88-3	Toluene	ND	150	80.	U	
100-41-4	Ethylbenzene	ND	150	21.	U	
75-01-4	Vinyl chloride	210	150	50.		J-
75-35-4	1,1-Dichloroethene	120	150	35.	J	
156-60-5	trans-1,2-Dichloroethene	140	220	20.	J	
79-01-6	Trichloroethene	57000	74	20.	E	J
95-50-1	1,2-Dichlorobenzene	ND	300	21.	U	
541-73-1	1,3-Dichlorobenzene	ND	300	22.	U	
106-46-7	1,4-Dichlorobenzene	ND	300	25.	U	
1634-04-4	Methyl tert butyl ether	ND	300	30.	U	
179601-23-1	p/m-Xylene	ND	300	83.	U	
95-47-6	o-Xylene	150	150	43.		
156-59-2	cis-1,2-Dichloroethene	16000	150	26.		
67-64-1	Acetone	ND	1500	710	U	
78-93-3	2-Butanone	ND	1500	330	U	
104-51-8	n-Butylbenzene	ND	150	25.	U	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-02D2	**Date Collected**	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 12:39
Sample Matrix	: SOIL	**Dilution Factor**	: 4
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V23210915A14	**Instrument ID**	: VOA123
Sample Amount	: 8.7 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 90
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	ND	150	22.	U
98-06-6	tert-Butylbenzene	ND	300	17.	U
103-65-1	n-Propylbenzene	ND	150	25.	U
108-67-8	1,3,5-Trimethylbenzene	ND	300	28.	U
95-63-6	1,2,4-Trimethylbenzene	ND	300	49.	U
123-91-1	1,4-Dioxane	ND	12000	5200	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-03D	**Date Collected**	: 09/08/21 00:00
Client ID	: DUP20210908	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 01:19
Sample Matrix	: SOIL	**Dilution Factor**	: 10
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V00210914N15	**Instrument ID**	: VOA100
Sample Amount	: 15.0 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 88
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
79-01-6	Trichloroethene	20000	130	35.	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-03D2	Date Collected	: 09/08/21 00:00
Client ID	: DUP20210908	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 13:05
Sample Matrix	: SOIL	Dilution Factor	: 2
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V23210915A15	Instrument ID	: VOA123
Sample Amount	: 15.0 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: 88
Extract Volume (MeOH)	: 5 ml	Injection Volume	: N/A

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	250	120	U	
75-34-3	1,1-Dichloroethane	9.3	51	7.4	J	
67-66-3	Chloroform	9.9	76	7.1	J	U
56-23-5	Carbon tetrachloride	ND	51	12.	U	
127-18-4	Tetrachloroethene	410	25	9.9		
108-90-7	Chlorobenzene	ND	25	6.4	U	
107-06-2	1,2-Dichloroethane	ND	51	13.	U	
71-55-6	1,1,1-Trichloroethane	510	25	8.5		
71-43-2	Benzene	ND	25	8.4	U	
108-88-3	Toluene	ND	51	28.	U	
100-41-4	Ethylbenzene	10	51	7.2	J	
75-01-4	Vinyl chloride	ND	51	17.	U	UJ
75-35-4	1,1-Dichloroethene	13	51	12.	J	
156-60-5	trans-1,2-Dichloroethene	11	76	6.9	J	
79-01-6	Trichloroethene	22000	25	6.9	E	J
95-50-1	1,2-Dichlorobenzene	ND	100	7.3	U	
541-73-1	1,3-Dichlorobenzene	ND	100	7.5	U	
106-46-7	1,4-Dichlorobenzene	ND	100	8.7	U	
1634-04-4	Methyl tert butyl ether	ND	100	10.	U	
179601-23-1	p/m-Xylene	47	100	28.	J	
95-47-6	o-Xylene	47	51	15.	J	
156-59-2	cis-1,2-Dichloroethene	640	51	8.9		
67-64-1	Acetone	ND	510	240	U	
78-93-3	2-Butanone	ND	510	110	U	
104-51-8	n-Butylbenzene	ND	51	8.5	U	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-03D2	**Date Collected**	: 09/08/21 00:00
Client ID	: DUP20210908	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 13:05
Sample Matrix	: SOIL	**Dilution Factor**	: 2
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V23210915A15	**Instrument ID**	: VOA123
Sample Amount	: 15.0 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 88
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	ND	51	7.4	U
98-06-6	tert-Butylbenzene	ND	100	6.0	U
103-65-1	n-Propylbenzene	ND	51	8.7	U
108-67-8	1,3,5-Trimethylbenzene	ND	100	9.8	U
95-63-6	1,2,4-Trimethylbenzene	30	100	17.	J
123-91-1	1,4-Dioxane	ND	4000	1800	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-01	Date Collected	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 11:41
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 48270-01	Analyst	: WR
Sample Amount	: 30.93 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene	ND	140	18.	U	
118-74-1	Hexachlorobenzene	ND	110	20.	U	
206-44-0	Fluoranthene	170	110	20.		J
91-20-3	Naphthalene	ND	180	22.	U	
56-55-3	Benzo(a)anthracene	69	110	20.	J	
50-32-8	Benzo(a)pyrene	71	140	43.	J	
205-99-2	Benzo(b)fluoranthene	110	110	30.		J
207-08-9	Benzo(k)fluoranthene	43	110	28.	J	
218-01-9	Chrysene	89	110	18.	J	
208-96-8	Acenaphthylene	ND	140	27.	U	
120-12-7	Anthracene	ND	110	34.	U	
191-24-2	Benzo(ghi)perylene	58	140	21.	J	
86-73-7	Fluorene	ND	180	17.	U	
85-01-8	Phenanthrene	58	110	22.	J	
53-70-3	Dibenzo(a,h)anthracene	ND	110	20.	U	
193-39-5	Indeno(1,2,3-cd)pyrene	58	140	25.	J	
129-00-0	Pyrene	140	110	18.		J
132-64-9	Dibenzofuran	ND	180	17.	U	
87-86-5	Pentachlorophenol	ND	140	39.	U	
108-95-2	Phenol	ND	180	27.	U	
95-48-7	2-Methylphenol	ND	180	27.	U	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	250	28.	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-02	Date Collected	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 12:03
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 48270-02	Analyst	: WR
Sample Amount	: 30.2 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	150	19.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
206-44-0	Fluoranthene	ND	110	21.	U
91-20-3	Naphthalene	ND	180	22.	U
56-55-3	Benzo(a)anthracene	ND	110	21.	U
50-32-8	Benzo(a)pyrene	ND	150	45.	U
205-99-2	Benzo(b)fluoranthene	ND	110	31.	U
207-08-9	Benzo(k)fluoranthene	ND	110	29.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	150	28.	U
120-12-7	Anthracene	ND	110	36.	U
191-24-2	Benzo(ghi)perylene	ND	150	22.	U
86-73-7	Fluorene	ND	180	18.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	150	26.	U
129-00-0	Pyrene	ND	110	18.	U
132-64-9	Dibenzofuran	ND	180	17.	U
87-86-5	Pentachlorophenol	ND	150	40.	U
108-95-2	Phenol	ND	180	28.	U
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	29.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-03	Date Collected	: 09/08/21 00:00
Client ID	: DUP20210908	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 12:25
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 48270-03	Analyst	: WR
Sample Amount	: 30.28 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	150	19.	U
118-74-1	Hexachlorobenzene	ND	110	21.	U
206-44-0	Fluoranthene	410	110	21.	J
91-20-3	Naphthalene	ND	190	23.	U
56-55-3	Benzo(a)anthracene	140	110	21.	
50-32-8	Benzo(a)pyrene	160	150	46.	
205-99-2	Benzo(b)fluoranthene	290	110	31.	J
207-08-9	Benzo(k)fluoranthene	76	110	30.	J
218-01-9	Chrysene	210	110	19.	
208-96-8	Acenaphthylene	ND	150	29.	U
120-12-7	Anthracene	ND	110	36.	U
191-24-2	Benzo(ghi)perylene	130	150	22.	J
86-73-7	Fluorene	ND	190	18.	U
85-01-8	Phenanthrene	130	110	23.	
53-70-3	Dibenzo(a,h)anthracene	27	110	22.	J
193-39-5	Indeno(1,2,3-cd)pyrene	140	150	26.	J
129-00-0	Pyrene	330	110	18.	J
132-64-9	Dibenzofuran	ND	190	18.	U
87-86-5	Pentachlorophenol	ND	150	41.	U
108-95-2	Phenol	ND	190	28.	U
95-48-7	2-Methylphenol	ND	190	29.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	270	29.	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-01	**Date Collected**	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/11/21 16:58
Sample Matrix	: SOIL	**Date Extracted**	: 09/09/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210911a-20	**Analyst**	: AR
Sample Amount	: 30.84 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	178	4.72	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-02	**Date Collected**	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/11/21 17:16
Sample Matrix	: SOIL	**Date Extracted**	: 09/09/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210911a-21	**Analyst**	: AR
Sample Amount	: 30.35 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	182	4.85	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-03	**Date Collected**	: 09/08/21 00:00
Client ID	: DUP20210908	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/11/21 17:35
Sample Matrix	: SOIL	**Date Extracted**	: 09/09/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210911a-22	**Analyst**	: AR
Sample Amount	: 30.89 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 88
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	183	4.87	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-01	Date Collected	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 13:52
Sample Matrix	: SOIL	Date Extracted	: 09/11/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-28	Analyst	: CW
Sample Amount	: 15.56 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	35.2	3.12	U
11104-28-2	Aroclor 1221	ND	35.2	3.53	U
11141-16-5	Aroclor 1232	ND	35.2	7.46	U
53469-21-9	Aroclor 1242	ND	35.2	4.74	U
12672-29-6	Aroclor 1248	ND	35.2	5.28	U
11096-82-5	Aroclor 1260	ND	35.2	6.50	U
37324-23-5	Aroclor 1262	ND	35.2	4.47	U
11100-14-4	Aroclor 1268	ND	35.2	3.65	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-01	Date Collected	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 13:52
Sample Matrix	: SOIL	Date Extracted	: 09/11/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-28	Analyst	: CW
Sample Amount	: 15.56 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
11097-69-1	Aroclor 1254	ND	35.2	3.85	U
1336-36-3	PCBs, Total	ND	35.2	3.12	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-02	Date Collected	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 13:59
Sample Matrix	: SOIL	Date Extracted	: 09/11/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-29	Analyst	: CW
Sample Amount	: 15.32 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	36.1	3.20	U
11104-28-2	Aroclor 1221	ND	36.1	3.62	U
11141-16-5	Aroclor 1232	ND	36.1	7.65	U
53469-21-9	Aroclor 1242	ND	36.1	4.87	U
12672-29-6	Aroclor 1248	ND	36.1	5.42	U
11097-69-1	Aroclor 1254	ND	36.1	3.95	U
11096-82-5	Aroclor 1260	ND	36.1	6.67	U
37324-23-5	Aroclor 1262	ND	36.1	4.58	U
11100-14-4	Aroclor 1268	ND	36.1	3.74	U
1336-36-3	PCBs, Total	ND	36.1	3.20	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-03	Date Collected	: 09/08/21 00:00
Client ID	: DUP20210908	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 14:06
Sample Matrix	: SOIL	Date Extracted	: 09/11/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-30	Analyst	: CW
Sample Amount	: 15.78 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	35.8	3.18	U
11104-28-2	Aroclor 1221	ND	35.8	3.59	U
11141-16-5	Aroclor 1232	ND	35.8	7.60	U
53469-21-9	Aroclor 1242	ND	35.8	4.83	U
12672-29-6	Aroclor 1248	ND	35.8	5.38	U
11096-82-5	Aroclor 1260	ND	35.8	6.62	U
37324-23-5	Aroclor 1262	ND	35.8	4.55	U
11100-14-4	Aroclor 1268	ND	35.8	3.71	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-03	Date Collected	: 09/08/21 00:00
Client ID	: DUP20210908	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 14:06
Sample Matrix	: SOIL	Date Extracted	: 09/11/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-30	Analyst	: CW
Sample Amount	: 15.78 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
11097-69-1	Aroclor 1254	4.58	35.8	3.92	J	J+
1336-36-3	PCBs, Total	4.58	35.8	3.18	J	

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-01	Date Collected	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 16:38
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15210913a-24	Analyst	: JAW
Sample Amount	: 15.39 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.71	0.334	U
58-89-9	Lindane	ND	0.712	0.318	U
319-84-6	Alpha-BHC	ND	0.712	0.202	U
319-85-7	Beta-BHC	ND	1.71	0.648	U
76-44-8	Heptachlor	ND	0.854	0.383	U
309-00-2	Aldrin	ND	1.71	0.601	U
72-20-8	Endrin	ND	0.712	0.292	U
60-57-1	Dieldrin	ND	1.07	0.534	U
72-55-9	4,4'-DDE	ND	1.71	0.395	U
72-54-8	4,4'-DDD	ND	1.71	0.609	U
50-29-3	4,4'-DDT	ND	3.20	1.37	U
959-98-8	Endosulfan I	ND	1.71	0.404	U
33213-65-9	Endosulfan II	ND	1.71	0.571	U
1031-07-8	Endosulfan sulfate	ND	0.712	0.339	U
5103-71-9	cis-Chlordane	ND	2.14	0.595	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-02	Date Collected	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 16:49
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15210913a-25	Analyst	: JAW
Sample Amount	: 15.17 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.75	0.343	U
58-89-9	Lindane	ND	0.729	0.326	U
319-84-6	Alpha-BHC	ND	0.729	0.207	U
319-85-7	Beta-BHC	ND	1.75	0.664	U
76-44-8	Heptachlor	ND	0.875	0.392	U
309-00-2	Aldrin	ND	1.75	0.616	U
72-20-8	Endrin	ND	0.729	0.299	U
60-57-1	Dieldrin	ND	1.09	0.547	U
72-55-9	4,4'-DDE	ND	1.75	0.405	U
72-54-8	4,4'-DDD	ND	1.75	0.624	U
50-29-3	4,4'-DDT	ND	3.28	1.41	U
959-98-8	Endosulfan I	ND	1.75	0.413	U
33213-65-9	Endosulfan II	ND	1.75	0.585	U
1031-07-8	Endosulfan sulfate	ND	0.729	0.347	U
5103-71-9	cis-Chlordane	ND	2.19	0.610	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-03	Date Collected	: 09/08/21 00:00
Client ID	: DUP20210908	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 17:00
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 15210913a-26	Analyst	: JAW
Sample Amount	: 15.67 g	Instrument ID	: PEST15
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 88
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.73	0.339	U
58-89-9	Lindane	ND	0.722	0.323	U
319-84-6	Alpha-BHC	ND	0.722	0.205	U
319-85-7	Beta-BHC	ND	1.73	0.657	U
76-44-8	Heptachlor	ND	0.866	0.388	U
309-00-2	Aldrin	ND	1.73	0.610	U
72-20-8	Endrin	ND	0.722	0.296	U
60-57-1	Dieldrin	ND	1.08	0.541	U
72-55-9	4,4'-DDE	ND	1.73	0.401	U
72-54-8	4,4'-DDD	ND	1.73	0.618	U
50-29-3	4,4'-DDT	ND	3.25	1.39	U
959-98-8	Endosulfan I	ND	1.73	0.409	U
33213-65-9	Endosulfan II	ND	1.73	0.579	U
1031-07-8	Endosulfan sulfate	ND	0.722	0.344	U
5103-71-9	cis-Chlordane	ND	2.16	0.604	U

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-01	Date Collected	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 19:17
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: SV
Lab File ID	: WG1546505.pdf	Instrument ID	: TRACE4
Sample Amount	: 1.315g	%Solids	: 91
Digestion Method	: EPA 3050B	Date Digested	: 09/09/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-38-2	Arsenic, Total	6.71	0.416	0.087	
7440-39-3	Barium, Total	69.5	0.416	0.073	
7440-41-7	Beryllium, Total	0.391	0.208	0.014	
7440-43-9	Cadmium, Total	0.512	0.416	0.041	
7440-47-3	Chromium, Total	11.2	0.416	0.040	
7440-50-8	Copper, Total	27.5	0.416	0.107	J+
7439-92-1	Lead, Total	14.3	2.08	0.112	J-
7439-96-5	Manganese, Total	499	0.416	0.066	J-
7440-02-0	Nickel, Total	16.9	1.04	0.101	
7782-49-2	Selenium, Total	0.142	0.833	0.107	J
7440-22-4	Silver, Total	ND	0.416	0.118	U
7440-66-6	Zinc, Total	51.3	2.08	0.122	J

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-02	Date Collected	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 19:22
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: SV
Lab File ID	: WG1546505.pdf	Instrument ID	: TRACE4
Sample Amount	: 1.292g	%Solids	: 90
Digestion Method	: EPA 3050B	Date Digested	: 09/09/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-38-2	Arsenic, Total	5.20	0.428	0.089	
7440-39-3	Barium, Total	230	0.428	0.075	
7440-41-7	Beryllium, Total	0.390	0.214	0.014	
7440-43-9	Cadmium, Total	0.552	0.428	0.042	
7440-47-3	Chromium, Total	12.9	0.428	0.041	
7440-50-8	Copper, Total	29.4	0.428	0.110	J+
7439-92-1	Lead, Total	10.1	2.14	0.115	J-
7439-96-5	Manganese, Total	762	0.428	0.068	J-
7440-02-0	Nickel, Total	18.8	1.07	0.104	
7782-49-2	Selenium, Total	ND	0.856	0.110	U
7440-22-4	Silver, Total	ND	0.428	0.121	U
7440-66-6	Zinc, Total	49.8	2.14	0.125	J

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-03	Date Collected	: 09/08/21 00:00
Client ID	: DUP20210908	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 19:26
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: SV
Lab File ID	: WG1546505.pdf	Instrument ID	: TRACE4
Sample Amount	: 1.27g	%Solids	: 88
Digestion Method	: EPA 3050B	Date Digested	: 09/09/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-38-2	Arsenic, Total	4.72	0.445	0.093	
7440-39-3	Barium, Total	78.6	0.445	0.078	
7440-41-7	Beryllium, Total	0.387	0.223	0.015	
7440-43-9	Cadmium, Total	0.463	0.445	0.044	
7440-47-3	Chromium, Total	10.4	0.445	0.043	
7440-50-8	Copper, Total	27.7	0.445	0.115	J+
7439-92-1	Lead, Total	12.3	2.23	0.119	J-
7439-96-5	Manganese, Total	731	0.445	0.071	J-
7440-02-0	Nickel, Total	18.4	1.11	0.108	
7782-49-2	Selenium, Total	ND	0.891	0.115	U
7440-22-4	Silver, Total	ND	0.445	0.126	U
7440-66-6	Zinc, Total	48.8	2.23	0.130	J

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-01	Date Collected	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 11:27
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: OU
Lab File ID	: WG1545542.txt	Instrument ID	: NIC3
Sample Amount	: 0.352g	%Solids	: 91
Digestion Method	: EPA 7471B	Date Digested	: 09/09/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7439-97-6	Mercury, Total	0.073	0.078	0.051	J	J+

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-02	Date Collected	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 11:30
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: OU
Lab File ID	: WG1545542.txt	Instrument ID	: NIC3
Sample Amount	: 0.382g	%Solids	: 90
Digestion Method	: EPA 7471B	Date Digested	: 09/09/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7439-97-6	Mercury, Total	0.054	0.072	0.047	J	J+

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-03	Date Collected	: 09/08/21 00:00
Client ID	: DUP20210908	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 11:33
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: OU
Lab File ID	: WG1545542.txt	Instrument ID	: NIC3
Sample Amount	: 0.384g	%Solids	: 88
Digestion Method	: EPA 7471B	Date Digested	: 09/09/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7439-97-6	Mercury, Total	0.065	0.074	0.048	J	J+

Form 1
METALS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-01	**Date Collected**	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 19:17
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 91
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	11	0.88	0.88	

Form 1
METALS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-02	**Date Collected**	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 19:22
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 90
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	13	0.88	0.89	

Form 1
METALS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-03	**Date Collected**	: 09/08/21 00:00
Client ID	: DUP20210908	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/21 19:26
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 88
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	10	0.90	0.91	

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-01	Date Collected	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 11:22
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: CR
Lab File ID	: TCN091521-A	Instrument ID	: LACHAT
Sample Amount	: 1.0467g	%Solids	: 91
Digestion Method	:	Date Digested	: 09/14/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
57-12-5	Cyanide, Total	ND	1.0	0.22	U	UJ

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-02	Date Collected	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 11:23
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: CR
Lab File ID	: TCN091521-A	Instrument ID	: LACHAT
Sample Amount	: 1.0619g	%Solids	: 90
Digestion Method	:	Date Digested	: 09/14/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
57-12-5	Cyanide, Total	ND	1.0	0.22	U	UJ

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148270-03	Date Collected	: 09/08/21 00:00
Client ID	: DUP20210908	Date Received	: 09/08/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 11:24
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: CR
Lab File ID	: TCN091521-A	Instrument ID	: LACHAT
Sample Amount	: 1.0406g	%Solids	: 88
Digestion Method	:	Date Digested	: 09/14/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
57-12-5	Cyanide, Total	ND	1.1	0.23	U	UJ

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-01	**Date Collected**	: 09/08/21 08:20
Client ID	: IRM-SW-NW-5.5'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/14/21 17:00
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: PB
Lab File ID	: WG1544973.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.5056g	**%Solids**	: 91
Digestion Method	: EPA 3060A	**Date Digested**	: 09/13/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.876	0.175	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-02	**Date Collected**	: 09/08/21 14:00
Client ID	: IRM-SW-NC-7'-2021-09-08	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/14/21 17:01
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: PB
Lab File ID	: WG1544973.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.5018g	**%Solids**	: 90
Digestion Method	: EPA 3060A	**Date Digested**	: 09/13/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.885	0.177	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148270-03	**Date Collected**	: 09/08/21 00:00
Client ID	: DUP20210908	**Date Received**	: 09/08/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/14/21 17:02
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: PB
Lab File ID	: WG1544973.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.4611g	**%Solids**	: 88
Digestion Method	: EPA 3060A	**Date Digested**	: 09/13/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.905	0.181	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2148270

2 Soil Samples and 1 Field Duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, 2-butanone, and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 for VOA100 on 07-08-21. The average RRFs for acetone and 2-butanone were below the method minimums, but not below 0.010 for VOA123 on 07-27-21. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 2-butanone and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 on 09-14-21 (V00210914N01). The %Ds for vinyl chloride and 2-butanone were above the method maximum on 09-15-21 (V23210915A01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for vinyl chloride and 2-butanone were above the allowable maximum (20%) on 09-15-21 (V23210915A01). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: Method blank WG1546767-5BLANK contained a trace of chloroform (9.3 ug/kg). Positive results for chloroform that are less than 5 times the method blank level should be considered not detected (U) in associated samples.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
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Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for soil samples WG1546592-3/4.

The RPDs for target compounds were below the allowable maximum; 2 of 2 %Rs for 2-butanone were above QC limits; and 1 of 2 %Rs of vinyl chloride was below QC limits, but not below 10% for soil samples WG1546767-3/4.

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (35%) for soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908 (attached table), as required.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The result for trichloroethene in sample IRM-SW-NW-5.5'-20210908, IRM-SW-NC-7'-2021-09-08, and DUP20210908 were quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results that are flagged as 'E' in the undiluted samples should be considered estimated (J). The use of the diluted results for trichloroethylene is recommended for the samples. It is recommended that the undiluted results be used for all other compounds.

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Matrix	: SOIL		
LCS Sample ID	: WG1546767-3 **Analysis Date** : 09/15/21 07:13	**File ID**	: V23210915A01
LCSD Sample ID	: WG1546767-4 **Analysis Date** : 09/15/21 07:38	**File ID**	: V23210915A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	2000	1900	93	2000	1700	84	10	70-130	30
1,1-Dichloroethane	2000	2000	98	2000	1700	86	13	70-130	30
Chloroform	2000	1700	87	2000	1600	78	11	70-130	30
Carbon tetrachloride	2000	2000	100	2000	1700	86	15	70-130	30
Tetrachloroethene	2000	2300	116	2000	2000	99	16	70-130	30
Chlorobenzene	2000	2000	101	2000	1800	91	10	70-130	30
1,2-Dichloroethane	2000	1800	90	2000	1700	84	7	70-130	30
1,1,1-Trichloroethane	2000	2000	99	2000	1700	85	15	70-130	30
Benzene	2000	2000	100	2000	1800	88	13	70-130	30
Toluene	2000	1800	92	2000	1600	81	13	70-130	30
Ethylbenzene	2000	2000	98	2000	1700	86	13	70-130	30
Vinyl chloride	2000	1500	77	2000	1300	65 Q	17	67-130	30
1,1-Dichloroethene	2000	2200	109	2000	1900	94	15	65-135	30
trans-1,2-Dichloroethene	2000	2100	106	2000	1800	91	15	70-130	30
Trichloroethene	2000	2100	103	2000	1800	90	13	70-130	30
1,2-Dichlorobenzene	2000	2100	105	2000	1900	96	9	70-130	30
1,3-Dichlorobenzene	2000	2100	105	2000	1900	94	11	70-130	30
1,4-Dichlorobenzene	2000	2000	102	2000	1900	93	9	70-130	30
Methyl tert butyl ether	2000	2000	100	2000	1900	97	3	66-130	30
p/m-Xylene	4000	4200	105	4000	3700	92	13	70-130	30
o-Xylene	4000	3700	92	4000	3300	82	11	70-130	30
cis-1,2-Dichloroethene	2000	2100	104	2000	1800	92	12	70-130	30
Acetone	2000	2300	114	2000	2200	110	4	54-140	30
2-Butanone	2000	2900	146 Q	2000	3000	152 Q	4	70-130	30
n-Butylbenzene	2000	1900	96	2000	1700	83	15	70-130	30
sec-Butylbenzene	2000	2000	100	2000	1700	87	14	70-130	30

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Matrix	: SOIL		
LCS Sample ID	: WG1546767-3 **Analysis Date** : 09/15/21 07:13	**File ID**	: V23210915A01
LCSD Sample ID	: WG1546767-4 **Analysis Date** : 09/15/21 07:38	**File ID**	: V23210915A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/kg)	Found (ug/kg)	%R	True (ug/kg)	Found (ug/kg)	%R	RPD	Recovery Limits	RPD Limit
tert-Butylbenzene	2000	2100	104	2000	1800	91	13	70-130	30
n-Propylbenzene	2000	1900	95	2000	1700	82	15	70-130	30
1,3,5-Trimethylbenzene	2000	2000	100	2000	1700	87	14	70-130	30
1,2,4-Trimethylbenzene	2000	2000	102	2000	1800	91	11	70-130	30
1,4-Dioxane	100000	94000	94	100000	98000	98	4	65-136	30

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: WG1546767-5	Date Collected	: NA
Client ID	: WG1546767-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/15/21 08:28
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V23210915A04	Instrument ID	: VOA123
Sample Amount	: 15.0 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: NA
Extract Volume (MeOH)	: 15 ml	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	250	110	U
75-34-3	1,1-Dichloroethane	ND	50	7.2	U
67-66-3	Chloroform	9.3	75	7.0	J
56-23-5	Carbon tetrachloride	ND	50	12.	U
127-18-4	Tetrachloroethene	ND	25	9.8	U
108-90-7	Chlorobenzene	ND	25	6.4	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.3	U
108-88-3	Toluene	ND	50	27.	U
100-41-4	Ethylbenzene	ND	50	7.0	U
75-01-4	Vinyl chloride	ND	50	17.	U
75-35-4	1,1-Dichloroethene	ND	50	12.	U
156-60-5	trans-1,2-Dichloroethene	ND	75	6.8	U
79-01-6	Trichloroethene	ND	25	6.8	U
95-50-1	1,2-Dichlorobenzene	ND	100	7.2	U
541-73-1	1,3-Dichlorobenzene	ND	100	7.4	U
106-46-7	1,4-Dichlorobenzene	ND	100	8.6	U
1634-04-4	Methyl tert butyl ether	ND	100	10.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	ND	50	8.8	U
67-64-1	Acetone	ND	500	240	U
78-93-3	2-Butanone	ND	500	110	U
104-51-8	n-Butylbenzene	ND	50	8.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: WG1546767-5	**Date Collected**	: NA
Client ID	: WG1546767-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 09/15/21 08:28
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V23210915A04	**Instrument ID**	: VOA123
Sample Amount	: 15.0 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: NA
Extract Volume (MeOH)	: 15 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	ND	50	7.3	U
98-06-6	tert-Butylbenzene	ND	100	5.9	U
103-65-1	n-Propylbenzene	ND	50	8.6	U
108-67-8	1,3,5-Trimethylbenzene	ND	100	9.6	U
95-63-6	1,2,4-Trimethylbenzene	ND	100	17.	U
123-91-1	1,4-Dioxane	ND	4000	1800	U

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148270**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA100**	**Ical Ref**	**: ICAL18132**
Calibration dates	**: 07/08/21 16:47 07/08/21 21:04**		

Calibration Files

0.5 =V00210708N04.D 1.0 =V00210708N06.D 2.0 =V00210708N08.D 4.0 =V00210708N09.D 20 =V00210708N10.D

40 =V00210708N11.D 100 =V00210708N12.D 200 =V00210708N13.D 300 =V00210708N14.D

		Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluo		0.234	0.246	0.258	0.254	0.233	0.256	0.262	0.251	0.249	4.34
3)	TP	Chloromethane		0.323	0.327	0.307	0.305	0.272	0.293	0.298	0.294	0.302	5.80
4)	TC	Vinyl chloride		0.269	0.287	0.293	0.295	0.267	0.299	0.306	0.298	0.289	4.91
5)	TP	Bromomethane		0.234	0.241	0.219	0.183	0.163	0.178	0.180	0.180	0.197	14.86
6)	TP	Chloroethane		0.164	0.228	0.171	0.182	0.157	0.169	0.158		0.176	14.09
7)	TP	Trichlorofluor		0.305	0.346	0.356	0.360	0.327	0.355	0.356	0.339	0.343	5.52
8)	TP	Ethyl ether		0.121	0.134	0.135	0.145	0.125	0.143	0.143	0.143	0.136	6.52
10)	TC	1,1-Dichloroet		0.196	0.227	0.227	0.228	0.208	0.230	0.233	0.227	0.222	5.83
11)	TP	Carbon disulfide			1.038	0.909	0.808	0.727	0.793	0.797	0.779	0.836	12.49
12)	TP	Freon-113		0.203	0.221	0.232	0.235	0.213	0.232	0.235	0.225	0.224	5.24
14)	TP	Acrolein				0.021	0.026	0.023	0.027	0.028	0.028	0.026#	11.71
15)	TP	Methylene chlo		0.306	0.290	0.275	0.264	0.236	0.261	0.260	0.259	0.269	8.00
17)	TP	Acetone				0.056	0.050	0.042	0.047	0.048	0.049	*L	0.9985
18)	TP	trans-1,2-Dich		0.228	0.253	0.257	0.265	0.239	0.266	0.266	0.262	0.254	5.50
19)	TP	Methyl acetate				0.102	0.116	0.099	0.122	0.125	0.127	0.115	10.32
20)	TP	Methyl tert butyl ether		0.640	0.672	0.672	0.701	0.613	0.693	0.690	0.689	0.671	4.51
21)	TP	tert-Butyl alc		0.016	0.019	0.019	0.021	0.018	0.021	0.021	0.022	0.020#	9.51
22)	TP	Diisopropyl ether		0.794	0.874	0.871	0.895	0.809	0.897	0.891	0.881	0.864	4.62
23)	TP	1,1-Dichloroet		0.441	0.498	0.492	0.504	0.457	0.505	0.502	0.495	0.487	4.95
24)	TP	Halothane		0.165	0.193	0.193	0.199	0.184	0.203	0.205	0.200	0.193	6.80
25)	TP	Acrylonitrile				0.044	0.064	0.055	0.067	0.068	0.069	*L	0.9980
26)	TP	Ethyl tert-but		0.710	0.790	0.783	0.818	0.733	0.816	0.810	0.804	0.783	5.15
27)	TP	Vinyl acetate			0.457	0.494	0.528	0.472	0.550	0.548	0.541	0.513	7.45
28)	TP	cis-1,2-Dichlo		0.243	0.281	0.278	0.290	0.261	0.290	0.288	0.286	0.277	6.11
29)	TP	2,2-Dichloropr		0.369	0.385	0.404	0.408	0.375	0.407	0.406	0.398	0.394	3.93
31)	TP	Bromochloromet		0.101	0.123	0.118	0.127	0.114	0.128	0.124	0.121	0.120	7.29
32)	TP	Cyclohexane		0.432	0.465	0.465	0.475	0.441	0.479	0.481	0.460	0.462	3.83
33)	TC	Chloroform		0.494	0.489	0.489	0.500	0.450	0.494	0.490	0.484	0.486	3.17
34)	TP	Ethyl acetate				0.160	0.191	0.158	0.189	0.191	0.192	0.180	9.19
35)	TP	Carbon tetrach		0.300	0.345	0.353	0.379	0.349	0.388	0.391	0.377	0.360	8.37
36)	TP	Tetrahydrofuran			0.059	0.062	0.065	0.053	0.060	0.059	0.059	0.059	5.77
37)	S	Dibromofluoromethane	0.250	0.249	0.252	0.251	0.253	0.251	0.253	0.253	0.255	0.252	0.72
38)	TP	1,1,1-Trichloroethane	0.365	0.352	0.388	0.395	0.408	0.373	0.407	0.408	0.399	0.388	5.28
40)	TP	2-Butanone				0.097	0.091	0.074	0.084	0.083	0.084	0.085#	8.96
41)	TP	1,1-Dichloropropene	0.288	0.273	0.325	0.330	0.350	0.319	0.350	0.353	0.342	0.325	8.70

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148270**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA100**	**Ical Ref**	**: ICAL18132**
Calibration dates	**: 07/08/21 16:47 07/08/21 21:04**		

Calibration Files

0.5 =V00210708N04.D 1.0 =V00210708N06.D 2.0 =V00210708N08.D 4.0 =V00210708N09.D 20 =V00210708N10.D

40 =V00210708N11.D 100 =V00210708N12.D 200 =V00210708N13.D 300 =V00210708N14.D

		Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
42)	TP	Benzene	0.998	0.900	1.019	1.030	1.058	0.963	1.056	1.052	1.039	1.013	5.17
43)	TP	Tertiary-Amyl Methyl Ether		0.599	0.652	0.639	0.672	0.598	0.676	0.672	0.672	0.647	5.05
44)	S	1,2-Dichloroethane-d4	0.242	0.248	0.247	0.249	0.242	0.237	0.244	0.245	0.252	0.245	1.84
45)	TP	1,2-Dichloroet		0.290	0.316	0.323	0.332	0.295	0.327	0.323	0.320	0.316	4.84
48)	TP	Methyl cyclohe		0.401	0.443	0.452	0.459	0.423	0.458	0.463	0.445	0.443	4.77
49)	TP	Trichloroethene	0.256	0.237	0.265	0.266	0.275	0.248	0.275	0.273	0.269	0.263	5.01
51)	TP	Dibromomethane		0.104	0.124	0.127	0.140	0.123	0.139	0.138	0.138	0.129	9.56
52)	TC	1,2-Dichloropr		0.226	0.263	0.269	0.282	0.255	0.282	0.281	0.277	0.267	7.17
54)	TP	2-Chloroethyl				0.101	0.124	0.108	0.119	0.122	0.124	0.116	8.09
55)	TP	Bromodichloromethane	0.293	0.295	0.330	0.328	0.355	0.319	0.359	0.361	0.360	0.333	8.18
58)	TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	*L	0.9986
59)	TP	cis-1,3-Dichloropropene	0.296	0.328	0.364	0.379	0.416	0.376	0.427	0.426	0.426	0.382	12.38
60)	I	Chlorobenzene-d5	----------ISTD----------										
61)	S	Toluene-d8	1.313	1.301	1.329	1.334	1.317	1.315	1.322	1.308	1.318	1.317	0.76
62)	TC	Toluene		0.784	0.865	0.874	0.875	0.790	0.864	0.852	0.844	0.844	4.32
63)	TP	4-Methyl-2-pen				0.074	0.095	0.082	0.097	0.097	0.098	0.090#	11.04
64)	TP	Tetrachloroethene	0.317	0.300	0.349	0.364	0.360	0.333	0.365	0.361	0.354	0.345	6.72
66)	TP	trans-1,3-Dich		0.311	0.405	0.413	0.463	0.417	0.472	0.468	0.470	0.427	12.85
68)	TP	Ethyl methacry			0.318	0.344	0.392	0.350	0.403	0.402	0.404	0.373	9.41
69)	TP	1,1,2-Trichlor		0.161	0.198	0.203	0.218	0.193	0.215	0.212	0.213	0.201	9.29
70)	TP	Chlorodibromomethane	0.215	0.238	0.284	0.286	0.315	0.286	0.326	0.326	0.329	0.289	14.04
71)	TP	1,3-Dichloropr		0.342	0.435	0.437	0.456	0.406	0.452	0.445	0.447	0.428	8.90
72)	TP	1,2-Dibromoethane	0.144	0.173	0.218	0.226	0.251	0.222	0.253	0.249	0.251	*L	0.9993
73)	TP	2-Hexanone				0.123	0.154	0.136	0.164	0.164	0.167	0.151	11.77
74)	TP	Chlorobenzene	0.887	0.830	0.917	0.931	0.939	0.855	0.945	0.929	0.917	0.905	4.38
75)	TC	Ethylbenzene		1.489	1.619	1.640	1.639	1.500	1.653	1.629	1.601	1.596	4.06
76)	TP	1,1,1,2-Tetrachloroethane	0.293	0.287	0.323	0.328	0.341	0.312	0.349	0.344	0.341	0.324	7.01
77)	TP	p/m Xylene	0.584	0.556	0.608	0.623	0.628	0.576	0.631	0.612	0.594	0.601	4.27
78)	TP	o Xylene	0.558	0.510	0.585	0.600	0.607	0.554	0.606	0.588	0.571	0.575	5.47
79)	TP	Styrene	0.870	0.851	0.912	0.962	1.021	0.930	1.030	0.994	0.968	0.949	6.68
80)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
81)	TP	Bromoform		0.249	0.289	0.289	0.330	0.300	0.346	0.353	0.355	0.314	12.08
83)	TP	Isopropylbenzene		2.765	2.956	3.005	3.058	2.862	3.085	3.080	2.991	2.975	3.78
84)	S	4-Bromofluorobenzene	0.974	0.977	0.964	0.963	0.971	0.963	0.962	0.975	0.967	0.968	0.62
85)	TP	Bromobenzene		0.542	0.651	0.660	0.675	0.621	0.684	0.684	0.675	0.649	7.42
86)	TP	n-Propylbenzene		3.230	3.470	3.464	3.453	3.264	3.544	3.528	3.425	3.422	3.37

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148270**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA100**	**Ical Ref**	**: ICAL18132**
Calibration dates	**: 07/08/21 16:47 07/08/21 21:04**		

Calibration Files

0.5 =V00210708N04.D 1.0 =V00210708N06.D 2.0 =V00210708N08.D 4.0 =V00210708N09.D 20 =V00210708N10.D
40 =V00210708N11.D 100 =V00210708N12.D 200 =V00210708N13.D 300 =V00210708N14.D

	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
87) TP	1,4-Dichlorobu		0.896	0.965	0.932	0.969	0.856	0.947	0.938	0.929	0.929	4.03
88) TP	1,1,2,2-Tetrachloroethane	0.493	0.509	0.549	0.543	0.575	0.508	0.571	0.568	0.566	0.542	5.80
89) TP	4-Ethyltoluene		2.717	2.876	2.874	2.881	2.710	2.967	2.957	2.883	2.858	3.38
90) TP	2-Chlorotoluene		2.121	2.122	2.121	2.108	1.953	2.172	2.125	2.060	2.098	3.14
91) TP	1,3,5-Trimethy		2.449	2.614	2.562	2.529	2.365	2.569	2.539	2.468	2.512	3.18
92) TP	1,2,3-Trichlor		0.436	0.457	0.440	0.451	0.402	0.437	0.433	0.442	0.437	3.74
93) TP	trans-1,4-Dich			0.138	0.151	0.181	0.158	0.184	0.186	0.187	0.169	11.88
94) TP	4-Chlorotoluene		2.058	2.238	2.185	2.091	1.983	2.166	2.164	2.132	2.127	3.79
95) TP	tert-Butylbenzene		1.932	2.181	2.189	2.178	2.047	2.212	2.198	2.135	2.134	4.55
98) TP	1,2,4-Trimethy		2.420	2.512	2.466	2.444	2.286	2.515	2.496	2.456	2.449	3.02
99) TP	sec-Butylbenzene		3.039	3.237	3.270	3.173	3.019	3.253	3.256	3.150	3.175	3.13
100) TP	p-Isopropyltol		2.412	2.671	2.720	2.678	2.547	2.777	2.776	2.692	2.659	4.64
101) TP	1,3-Dichlorobe		1.134	1.292	1.308	1.319	1.220	1.357	1.357	1.337	1.291	5.96
102) TP	1,4-Dichlorobe		1.299	1.396	1.377	1.326	1.234	1.356	1.353	1.330	1.334	3.78
103) TP	p-Diethylbenzene		1.401	1.534	1.563	1.524	1.454	1.622	1.631	1.588	1.540	5.19
104) TP	n-Butylbenzene		2.130	2.381	2.297	2.215	2.138	2.364	2.393	2.331	2.281	4.68
105) TP	1,2-Dichlorobe		1.095	1.168	1.188	1.210	1.110	1.241	1.237	1.228	1.185	4.78
106) TP	1,2,4,5-Tetram		2.166	2.356	2.360	2.324	2.243	2.533	2.531	2.453	2.371	5.51
107) TP	1,2-Dibromo-3-			0.061	0.067	0.079	0.074	0.087	0.091	0.092	*L	0.9976
108) TP	1,3,5-Trichlor		0.739	0.835	0.857	0.842	0.788	0.902	0.892	0.861	0.840	6.41
109) TP	Hexachlorobuta		0.398	0.444	0.451	0.404	0.414	0.463	0.462	0.444	0.435	5.97
110) TP	1,2,4-Trichlor		0.655	0.745	0.737	0.742	0.695	0.802	0.784	0.772	0.741	6.46
111) TP	Naphthalene		1.561	1.599	1.566	1.618	1.495	1.724	1.692	1.705	1.620	4.98
112) TP	1,2,3-Trichlor		0.597	0.661	0.672	0.655	0.619	0.703	0.688	0.686	0.660	5.45

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148270**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA123**	**Ical Ref**	**: ICAL18187**
Calibration dates	**: 07/27/21 23:52 07/28/21 03:12**		

Calibration Files

L1 =V23210727N04.D L2 =V23210727N06.D L3 =V23210727N07.D L4 =V23210727N08.D L6 =V23210727N09.D

L7 =V23210727N10.D L8 =V23210727N11.D L0 =V23210727N03.D L1.5=V23210727N05.D

		Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluoromethane	0.230	0.222	0.216	0.201	0.198	0.205	0.206		0.257	0.217	9.08
3)	TP	Chloromethane	0.365	0.334	0.300	0.278	0.275	0.294	0.311		0.359	0.314	11.02
4)	TC	Vinyl chloride	0.383	0.403	0.380	0.356	0.349	0.345	0.328		0.432	0.372	9.16
5)	TP	Bromomethane	0.394	0.359	0.309	0.288	0.287	0.287	0.286		0.386	0.324	14.59
6)	TP	Chloroethane	0.271	0.266	0.253	0.247	0.277	0.287	0.266		0.293	0.270	5.84
7)	TP	Trichlorofluoromethane	0.557	0.548	0.538	0.509	0.523	0.553	0.549		0.587	0.545	4.30
8)	TP	Ethyl ether	0.140	0.140	0.148	0.137	0.159	0.154	0.162		0.147	0.148	6.11
10)	TC	1,1-Dichloroethene	0.215	0.205	0.200	0.205	0.233	0.243	0.242		0.222	0.221	7.68
11)	TP	Carbon disulfide	0.923	0.788	0.730	0.724	0.808	0.833	0.824		0.859	0.811	8.08
12)	TP	Freon-113	0.225	0.225	0.214	0.212	0.240	0.250	0.247		0.242	0.232	6.43
14)	TP	Acrolein			0.027	0.026	0.031	0.026	0.030			0.028#	8.62
15)	TP	Methylene chloride		0.330	0.294	0.278	0.289	0.280	0.283		0.376	0.304	11.90
17)	TP	Acetone	0.164	0.081	0.060	0.056	0.060	0.055	0.055		0.094	*L	0.9990
18)	TP	trans-1,2-Dichloroethene	0.249	0.260	0.259	0.262	0.278	0.282	0.282		0.276	0.269	4.62
19)	TP	Methyl acetate	0.193	0.147	0.139	0.139	0.159	0.145	0.151		0.156	0.154	11.32
20)	TP	Methyl tert-butyl ether	0.598	0.612	0.644	0.675	0.761	0.720	0.743		0.617	0.671	9.44
21)	TP	tert-Butyl alcohol	0.019	0.017	0.018	0.019	0.023	0.020	0.022		0.018	0.019#	9.83
22)	TP	Diisopropyl ether	0.850	0.870	0.936	0.965	1.034	1.004	0.998		0.862	0.940	7.63
23)	TP	1,1-Dichloroethane	0.545	0.555	0.541	0.537	0.551	0.549	0.544		0.567	0.549	1.72
24)	TP	Halothane	0.194	0.199	0.193	0.199	0.209	0.214	0.211		0.205	0.203	3.86
25)	TP	Acrylonitrile	0.070	0.077	0.077	0.082	0.089	0.082	0.085		0.078	0.080	7.38
26)	TP	Ethyl tert-butyl ether	0.670	0.705	0.789	0.819	0.903	0.877	0.901		0.679	0.793	12.36
27)	TP	Vinyl acetate	0.529	0.530	0.613	0.619	0.686	0.642	0.667		0.545	0.604	10.29
28)	TP	cis-1,2-Dichloroethene	0.295	0.297	0.302	0.306	0.319	0.317	0.317		0.308	0.307	2.97
29)	TP	2,2-Dichloropropane	0.392	0.394	0.391	0.389	0.403	0.415	0.414		0.404	0.400	2.61
30)	TP	Bromochloromethane	0.134	0.134	0.137	0.138	0.145	0.139	0.142		0.137	0.138	2.66
31)	TP	Cyclohexane	0.432	0.458	0.496	0.488	0.499	0.511	0.502		0.460	0.481	5.74
32)	TC	Chloroform	0.706	0.566	0.524	0.512	0.527	0.523	0.522		0.622	0.563	12.13
33)	TP	Ethyl acetate	0.243	0.218	0.217	0.213	0.242	0.220	0.228		0.224	0.226	5.03
34)	TP	Carbon tetrachloride	0.371	0.384	0.386	0.390	0.402	0.415	0.413		0.405	0.396	3.94
35)	TP	Tetrahydrofuran	0.071	0.081	0.080	0.079	0.088	0.078	0.081		0.083	0.080	5.75
36)	S	Dibromofluoromethane	0.248	0.237	0.234	0.243	0.246	0.241	0.249	0.257	0.243	0.244	2.78
37)	TP	1,1,1-Trichloroethane	0.407	0.426	0.423	0.422	0.430	0.439	0.435	0.379	0.451	0.424	4.88
39)	TP	2-Butanone	0.100	0.095	0.088	0.089	0.101	0.092	0.093		0.101	0.095#	5.73
40)	TP	1,1-Dichloropropene	0.323	0.336	0.360	0.356	0.365	0.372	0.366	0.277	0.345	0.345	8.64

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148270**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA123**	**Ical Ref**	**: ICAL18187**
Calibration dates	**: 07/27/21 23:52 07/28/21 03:12**		

Calibration Files

L1 =V23210727N04.D L2 =V23210727N06.D L3 =V23210727N07.D L4 =V23210727N08.D L6 =V23210727N09.D

L7 =V23210727N10.D L8 =V23210727N11.D L0 =V23210727N03.D L1.5=V23210727N05.D

		Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
41)	TP	Benzene	1.075	1.068	1.139	1.100	1.125	1.114	1.103	1.019	1.137	1.098	3.52
42)	TP	tert-Amyl methyl ether	0.500	0.534	0.627	0.641	0.718	0.695	0.721		0.533	0.621	14.33
43)	S	1,2-Dichloroethane-d4	0.266	0.254	0.245	0.241	0.251	0.244	0.260	0.253	0.260	0.253	3.35
44)	TP	1,2-Dichloroethane-d4	0.384	0.405	0.392	0.374	0.392	0.373	0.380		0.416	0.389	3.86
47)	TP	Methyl cyclohexane	0.429	0.421	0.448	0.446	0.462	0.483	0.485		0.425	0.450	5.53
48)	TP	Trichloroethene	0.288	0.277	0.303	0.292	0.302	0.311	0.313	0.256	0.307	0.294	6.28
50)	TP	Dibromomethane	0.162	0.162	0.163	0.160	0.172	0.163	0.169		0.169	0.165	2.57
51)	TC	1,2-Dichloropropane	0.310	0.296	0.314	0.307	0.319	0.316	0.317		0.302	0.310	2.61
53)	TP	2-Chloroethyl vinyl ether		0.118	0.144	0.156	0.179	0.170	0.176			0.157	14.84
54)	TP	Bromodichloromethane	0.376	0.397	0.405	0.398	0.422	0.417	0.421	0.370	0.399	0.401	4.58
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002		0.001	*L	0.9971
58)	TP	cis-1,3-Dichloropropene	0.360	0.392	0.437	0.440	0.482	0.473	0.485	0.314	0.387	0.419	14.15
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.261	1.306	1.306	1.286	1.268	1.260	1.246	1.268	1.316	1.280	1.91
61)	TC	Toluene	1.204	0.987	1.000	0.961	0.974	0.980	0.963		1.080	1.019	8.25
62)	TP	4-Methyl-2-pentanone		0.085	0.100	0.101	0.122	0.113	0.118			0.106	13.00
63)	TP	Tetrachloroethene	0.368	0.374	0.410	0.400	0.413	0.422	0.404	0.322	0.391	0.389	7.91
65)	TP	trans-1,3-Dichloropropene	0.432	0.474	0.530	0.528	0.583	0.568	0.570		0.468	0.519	10.66
67)	TP	Ethyl methacrylate		0.300	0.382	0.399	0.466	0.443	0.456		0.295	*L	0.9986
68)	TP	1,1,2-Trichloroethane	0.264	0.259	0.265	0.259	0.275	0.264	0.264		0.257	0.263	2.23
69)	TP	Chlorodibromomethane	0.330	0.338	0.383	0.390	0.416	0.407	0.407	0.302	0.342	0.368	11.05
70)	TP	1,3-Dichloropropane	0.500	0.514	0.531	0.521	0.552	0.526	0.525		0.514	0.523	2.89
71)	TP	1,2-Dibromoethane	0.258	0.271	0.289	0.291	0.318	0.302	0.304	0.242	0.253	0.281	9.26
72)	TP	2-Hexanone	0.184	0.143	0.174	0.174	0.208	0.190	0.193		0.164	0.179	11.00
73)	TP	Chlorobenzene	1.072	1.050	1.114	1.073	1.114	1.106	1.085	0.983	1.144	1.082	4.32
74)	TC	Ethylbenzene	1.710	1.724	1.892	1.845	1.898	1.906	1.842		1.735	1.819	4.58
75)	TP	1,1,1,2-Tetrachloroethane	0.349	0.361	0.408	0.405	0.426	0.425	0.421	0.365	0.372	0.392	7.79
76)	TP	p/m Xylene	0.585	0.640	0.744	0.720	0.747	0.772	0.768	0.526	0.616	0.680	13.25
77)	TP	o Xylene	0.499	0.588	0.708	0.690	0.726	0.749	0.751	0.468	0.566	*L	0.9994
78)	TP	Styrene	0.861	1.064	1.223	1.188	1.272	1.299	1.261	0.769	0.997	*L	0.9995
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform	0.383	0.390	0.426	0.432	0.473	0.490	0.516		0.365	0.434	12.55
82)	TP	Isopropylbenzene	2.699	3.096	3.398	3.429	3.470	3.642	3.478		3.059	3.284	9.37
83)	S	4-Bromofluorobenzene	0.866	0.847	0.822	0.848	0.825	0.833	0.832	0.835	0.870	0.842	2.03
84)	TP	Bromobenzene	0.792	0.745	0.817	0.820	0.844	0.850	0.832		0.806	0.813	4.12
85)	TP	n-Propylbenzene	3.725	3.839	4.142	4.149	4.208	4.368	4.077		3.919	4.053	5.21

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148270**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA123**	**Ical Ref**	**: ICAL18187**
Calibration dates	**: 07/27/21 23:52 07/28/21 03:12**		

Calibration Files

L1 =V23210727N04.D L2 =V23210727N06.D L3 =V23210727N07.D L4 =V23210727N08.D L6 =V23210727N09.D

L7 =V23210727N10.D L8 =V23210727N11.D L0 =V23210727N03.D L1.5=V23210727N05.D

	Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
86) TP	1,4-Dichlorobutane	1.116	1.132	1.139	1.136	1.230	1.228	1.259		1.121	1.170	4.99
87) TP	1,1,2,2-Tetrachloroethane	0.712	0.712	0.693	0.694	0.753	0.712	0.717	0.660	0.704	0.706	3.48
88) TP	4-Ethyltoluene	2.735	3.021	3.439	3.434	3.477	3.624	3.423		2.977	3.266	9.55
89) TP	2-Chlorotoluene	2.361	2.426	2.509	2.473	2.539	2.552	2.505		2.445	2.476	2.57
90) TP	1,3,5-Trimethylbenzene	2.331	2.609	2.919	2.933	3.014	3.167	3.085		2.591	2.831	10.22
91) TP	1,2,3-Trichloropropane	0.556	0.545	0.542	0.532	0.588	0.588	0.611		0.532	0.562	5.35
92) TP	trans-1,4-Dichloro-2-b...	0.224	0.230	0.231	0.237	0.259	0.246	0.248		0.234	0.239	4.89
93) TP	4-Chlorotoluene	2.203	2.374	2.546	2.537	2.572	2.659	2.597		2.399	2.486	6.00
94) TP	tert-Butylbenzene	1.943	2.139	2.509	2.551	2.577	2.699	2.625		2.110	2.394	11.89
97) TP	1,2,4-Trimethylbenzene	2.164	2.493	2.940	2.948	3.011	3.126	3.020		2.403	2.763	12.89
98) TP	sec-Butylbenzene	3.055	3.530	3.933	3.893	3.932	4.071	3.815		3.454	3.710	9.11
99) TP	p-Isopropyltoluene	2.329	2.706	3.317	3.286	3.369	3.495	3.335		2.636	3.059	14.18
100) TP	1,3-Dichlorobenzene	1.531	1.649	1.756	1.734	1.761	1.778	1.748		1.657	1.702	4.95
101) TP	1,4-Dichlorobenzene	1.678	1.689	1.745	1.721	1.750	1.770	1.731		1.786	1.734	2.14
102) TP	p-Diethylbenzene	1.437	1.581	1.921	1.972	1.995	2.126	2.078		1.569	1.835	14.41
103) TP	n-Butylbenzene	2.452	2.847	3.106	3.088	3.082	3.219	3.036		2.726	2.944	8.60
104) TP	1,2-Dichlorobenzene	1.381	1.442	1.593	1.587	1.622	1.639	1.614		1.523	1.550	6.05
105) TP	1,2,4,5-Tetramethylben...	1.936	2.171	2.984	3.109	3.263	3.356	3.205		2.095	*L	0.9991
106) TP	1,2-Dibromo-3-chloropr...	0.097	0.093	0.102	0.103	0.119	0.112	0.112		0.092	0.104	9.55
107) TP	1,3,5-Trichlorobenzene	1.034	1.038	1.239	1.228	1.247	1.260	1.207		1.071	1.166	8.52
108) TP	Hexachlorobutadiene	0.522	0.517	0.620	0.638	0.636	0.662	0.663		0.505	0.595	11.48
109) TP	1,2,4-Trichlorobenzene	0.821	0.827	1.066	1.114	1.139	1.156	1.133		0.906	1.020	14.15
110) TP	Naphthalene		1.582	2.135	2.259	2.472	2.301	2.266			2.169	14.18
111) TP	1,2,3-Trichlorobenzene	0.764	0.753	0.990	1.014	1.046	1.012	1.000		0.772	0.919	14.18

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2148270	
Project Name	: TROY BELTING-IRM		Project Number	: 2011-31	
Instrument ID	: VOA100		Calibration Date	: 09/14/21 19:15	
Lab File ID	: V00210914N01		Init. Calib. Date(s)	: 07/08/21	07/08/21
Sample No	: WG1546592-2		Init. Calib. Times	: 16:47	21:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	67	0
Dichlorodifluoromethane	0.249	0.108	-	56.6*	20	31	0
Chloromethane	0.302	0.246	-	18.5	20	60	0
Vinyl chloride	0.289	0.251	-	13.1	20	63	0
Bromomethane	0.197	0.168	-	14.7	20	69	0
Chloroethane	0.176	0.157	-	10.8	20	67	0
Trichlorofluoromethane	0.343	0.33	-	3.8	20	67	0
Ethyl ether	0.136	0.109	-	19.9	20	58	0
1,1-Dichloroethene	0.222	0.195	-	12.2	20	62	0
Carbon disulfide	0.836	0.623	-	25.5*	20	57	0
Freon-113	0.224	0.227	-	-1.3	20	71	0
Acrolein	0.026	0.019*	-	26.9*	20	54	0
Methylene chloride	0.269	0.218	-	19	20	62	0
Acetone	40	45.111	-	-12.8	20	86	0
trans-1,2-Dichloroethene	0.254	0.228	-	10.2	20	64	0
Methyl acetate	0.115	0.108	-	6.1	20	72	0
Methyl tert-butyl ether	0.671	0.543	-	19.1	20	59	0
tert-Butyl alcohol	0.02	0.016*	-	20	20	61	0
Diisopropyl ether	0.864	0.81	-	6.2	20	67	0
1,1-Dichloroethane	0.487	0.452	-	7.2	20	66	0
Halothane	0.193	0.181	-	6.2	20	66	0
Acrylonitrile	40	34.891	-	12.8	20	69	0
Ethyl tert-butyl ether	0.783	0.717	-	8.4	20	65	0
Vinyl acetate	0.513	0.466	-	9.2	20	66	0
cis-1,2-Dichloroethene	0.277	0.249	-	10.1	20	64	0
2,2-Dichloropropane	0.394	0.363	-	7.9	20	64	0
Bromochloromethane	0.12	0.109	-	9.2	20	64	0
Cyclohexane	0.462	0.463	-	-0.2	20	70	0
Chloroform	0.486	0.434	-	10.7	20	64	0
Ethyl acetate	0.18	0.165	-	8.3	20	69	0
Carbon tetrachloride	0.36	0.353	-	1.9	20	67	0
Tetrahydrofuran	0.059	0.053	-	10.2	20	66	0
Dibromofluoromethane	0.252	0.258	-	-2.4	20	69	0
1,1,1-Trichloroethane	0.388	0.36	-	7.2	20	64	0
2-Butanone	0.085	0.072*	-	15.3	20	65	0
1,1-Dichloropropene	0.325	0.309	-	4.9	20	65	0
Benzene	1.013	0.893	-	11.8	20	62	0
tert-Amyl methyl ether	0.647	0.547	-	15.5	20	61	0
1,2-Dichloroethane-d4	0.245	0.255	-	-4.1	20	72	0
1,2-Dichloroethane	0.316	0.294	-	7	20	66	0
Methyl cyclohexane	0.443	0.422	-	4.7	20	66	0
Trichloroethene	0.263	0.247	-	6.1	20	66	0
Dibromomethane	0.129	0.12	-	7	20	65	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2148270	
Project Name	: TROY BELTING-IRM		Project Number	: 2011-31	
Instrument ID	: VOA100		Calibration Date	: 09/14/21 19:15	
Lab File ID	: V00210914N01		Init. Calib. Date(s)	: 07/08/21	07/08/21
Sample No	: WG1546592-2		Init. Calib. Times	: 16:47	21:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.267	0.245	-	8.2	20	64	0
2-Chloroethyl vinyl ether	0.116	0.088	-	24.1*	20	54	0
Bromodichloromethane	0.333	0.309	-	7.2	20	65	0
1,4-Dioxane	2000	1628.779	-	18.6	20	61	0
cis-1,3-Dichloropropene	0.382	0.357	-	6.5	20	63	0
Chlorobenzene-d5	1	1	-	0	20	66	0
Toluene-d8	1.317	1.317	-	0	20	66	0
Toluene	0.844	0.751	-	11	20	63	0
4-Methyl-2-pentanone	0.09	0.079*	-	12.2	20	64	0
Tetrachloroethene	0.345	0.329	-	4.6	20	66	0
trans-1,3-Dichloropropene	0.427	0.405	-	5.2	20	64	0
Ethyl methacrylate	0.373	0.301	-	19.3	20	57	0
1,1,2-Trichloroethane	0.201	0.186	-	7.5	20	64	0
Chlorodibromomethane	0.289	0.279	-	3.5	20	65	0
1,3-Dichloropropane	0.428	0.388	-	9.3	20	63	0
1,2-Dibromoethane	40	35.104	-	12.2	20	65	0
2-Hexanone	0.151	0.137	-	9.3	20	67	0
Chlorobenzene	0.905	0.837	-	7.5	20	65	0
Ethylbenzene	1.596	1.456	-	8.8	20	64	0
1,1,1,2-Tetrachloroethane	0.324	0.307	-	5.2	20	65	0
p/m Xylene	0.601	0.561	-	6.7	20	65	0
o Xylene	0.575	0.534	-	7.1	20	64	0
Styrene	0.949	0.898	-	5.4	20	64	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	65	0
Bromoform	0.314	0.31	-	1.3	20	67	0
Isopropylbenzene	2.975	2.907	-	2.3	20	66	0
4-Bromofluorobenzene	0.968	1	-	-3.3	20	67	0
Bromobenzene	0.649	0.642	-	1.1	20	67	0
n-Propylbenzene	3.422	3.474	-	-1.5	20	69	0
1,4-Dichlorobutane	0.929	0.936	-	-0.8	20	71	0
1,1,2,2-Tetrachloroethane	0.542	0.528	-	2.6	20	67	0
4-Ethyltoluene	2.858	2.895	-	-1.3	20	69	0
2-Chlorotoluene	2.098	2.062	-	1.7	20	68	0
1,3,5-Trimethylbenzene	2.512	2.461	-	2	20	67	0
1,2,3-Trichloropropane	0.437	0.425	-	2.7	20	68	0
trans-1,4-Dichloro-2-buten	0.169	0.173	-	-2.4	20	71	0
4-Chlorotoluene	2.127	2.05	-	3.6	20	67	0
tert-Butylbenzene	2.134	2.099	-	1.6	20	66	0
1,2,4-Trimethylbenzene	2.449	2.386	-	2.6	20	68	0
sec-Butylbenzene	3.175	3.183	-	-0.3	20	68	0
p-Isopropyltoluene	2.659	2.707	-	-1.8	20	69	0
1,3-Dichlorobenzene	1.291	1.312	-	-1.6	20	70	0
1,4-Dichlorobenzene	1.334	1.32	-	1	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270	
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31	
Instrument ID	: VOA100	**Calibration Date**	: 09/14/21 19:15	
Lab File ID	: V00210914N01	**Init. Calib. Date(s)**	: 07/08/21	07/08/21
Sample No	: WG1546592-2	**Init. Calib. Times**	: 16:47	21:04
Channel	:			

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.54	1.601	-	-4	20	71	0
n-Butylbenzene	2.281	2.389	-	-4.7	20	72	0
1,2-Dichlorobenzene	1.185	1.169	-	1.4	20	68	0
1,2,4,5-Tetramethylbenzene	2.371	2.389	-	-0.8	20	69	0
1,2-Dibromo-3-chloropropan	40	32.502	-	18.7	20	62	0
1,3,5-Trichlorobenzene	0.84	0.926	-	-10.2	20	76	0
Hexachlorobutadiene	0.435	0.464	-	-6.7	20	73	0
1,2,4-Trichlorobenzene	0.741	0.79	-	-6.6	20	74	0
Naphthalene	1.62	1.533	-	5.4	20	66	0
1,2,3-Trichlorobenzene	0.66	0.679	-	-2.9	20	71	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2148270		
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31		
Instrument ID	: VOA123	Calibration Date	: 09/15/21 07:13		
Lab File ID	: V23210915A01	Init. Calib. Date(s)	: 07/27/21	07/28/21	
Sample No	: WG1546767-2	Init. Calib. Times	: 23:52	03:12	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	84	0
Dichlorodifluoromethane	0.217	0.179	-	17.5	20	75	0
Chloromethane	0.314	0.325	-	-3.5	20	98	0
Vinyl chloride	0.372	0.286	-	23.1*	20	67	0
Bromomethane	0.324	0.193	-	40.4*	20	56	0
Chloroethane	0.27	0.166	-	38.5*	20	56	0
Trichlorofluoromethane	0.545	0.365	-	33*	20	60	0
Ethyl ether	0.148	0.148	-	0	20	91	0
1,1-Dichloroethene	0.221	0.24	-	-8.6	20	98	0
Carbon disulfide	0.811	0.71	-	12.5	20	82	0
Freon-113	0.232	0.252	-	-8.6	20	100	0
Acrolein	0.02787	0.00686*	-	75.4*	20	22	0
Methylene chloride	0.304	0.282	-	7.2	20	85	0
Acetone	40	45.485	-	-13.7	20	98	0
trans-1,2-Dichloroethene	0.269	0.285	-	-5.9	20	91	0
Methyl acetate	0.154	0.15	-	2.6	20	90	0
Methyl tert-butyl ether	0.671	0.672	-	-0.1	20	83	0
tert-Butyl alcohol	0.019	0.022*	-	-15.8	20	97	0
Diisopropyl ether	0.94	1.025	-	-9	20	89	0
1,1-Dichloroethane	0.549	0.538	-	2	20	84	0
Halothane	0.203	0.227	-	-11.8	20	96	0
Acrylonitrile	0.08	0.038*	-	52.5*	20	39	0
Ethyl tert-butyl ether	0.793	0.88	-	-11	20	90	0
Vinyl acetate	0.604	0.616	-	-2	20	83	0
cis-1,2-Dichloroethene	0.307	0.319	-	-3.9	20	87	0
2,2-Dichloropropane	0.4	0.392	-	2	20	84	-.01
Bromochloromethane	0.138	0.152	-	-10.1	20	92	0
Cyclohexane	0.481	0.533	-	-10.8	20	92	0
Chloroform	0.563	0.491	-	12.8	20	80	0
Ethyl acetate	0.226	0.234	-	-3.5	20	92	0
Carbon tetrachloride	0.396	0.394	-	0.5	20	85	0
Tetrahydrofuran	0.08	0.083	-	-3.8	20	87	0
Dibromofluoromethane	0.244	0.252	-	-3.3	20	87	0
1,1,1-Trichloroethane	0.424	0.419	-	1.2	20	83	0
2-Butanone	0.095	0.139	-	-46.3*	20	131	0
1,1-Dichloropropene	0.345	0.352	-	-2	20	83	0
Benzene	1.098	1.094	-	0.4	20	83	0
tert-Amyl methyl ether	0.621	0.666	-	-7.2	20	87	0
1,2-Dichloroethane-d4	0.253	0.216	-	14.6	20	75	0
1,2-Dichloroethane	0.389	0.35	-	10	20	78	0
Methyl cyclohexane	0.45	0.463	-	-2.9	20	87	0
Trichloroethene	0.294	0.303	-	-3.1	20	87	0
Dibromomethane	0.165	0.158	-	4.2	20	83	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2148270		
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31		
Instrument ID	: VOA123	Calibration Date	: 09/15/21 07:13		
Lab File ID	: V23210915A01	Init. Calib. Date(s)	: 07/27/21	07/28/21	
Sample No	: WG1546767-2	Init. Calib. Times	: 23:52	03:12	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.31	0.316	-	-1.9	20	86	-.01
2-Chloroethyl vinyl ether	0.157	0.082	-	47.8*	20	44	0
Bromodichloromethane	0.401	0.383	-	4.5	20	80	0
1,4-Dioxane	2000	1884.381	-	5.8	20	86	0
cis-1,3-Dichloropropene	0.419	0.448	-	-6.9	20	85	0
Chlorobenzene-d5	1	1	-	0	20	90	0
Toluene-d8	1.28	1.273	-	0.5	20	89	0
Toluene	1.019	0.937	-	8	20	88	0
4-Methyl-2-pentanone	0.106	0.113	-	-6.6	20	100	0
Tetrachloroethene	0.389	0.452	-	-16.2	20	101	-.01
trans-1,3-Dichloropropene	0.519	0.504	-	2.9	20	86	0
Ethyl methacrylate	40	34.759	-	13.1	20	85	-.01
1,1,2-Trichloroethane	0.263	0.244	-	7.2	20	85	0
Chlorodibromomethane	0.368	0.389	-	-5.7	20	90	0
1,3-Dichloropropane	0.523	0.488	-	6.7	20	84	0
1,2-Dibromoethane	0.281	0.297	-	-5.7	20	91	0
2-Hexanone	0.179	0.227	-	-26.8*	20	117	0
Chlorobenzene	1.082	1.092	-	-0.9	20	91	-.01
Ethylbenzene	1.819	1.773	-	2.5	20	86	-.01
1,1,1,2-Tetrachloroethane	0.392	0.405	-	-3.3	20	90	0
p/m Xylene	0.68	0.713	-	-4.9	20	89	0
o Xylene	80	73.421	-	8.2	20	88	0
Styrene	80	73.032	-	8.7	20	87	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Bromoform	0.434	0.452	-	-4.1	20	95	0
Isopropylbenzene	3.284	3.318	-	-1	20	88	0
4-Bromofluorobenzene	0.842	0.83	-	1.4	20	89	0
Bromobenzene	0.813	0.855	-	-5.2	20	94	0
n-Propylbenzene	4.053	3.838	-	5.3	20	84	0
1,4-Dichlorobutane	1.17	1.1	-	6	20	88	0
1,1,2,2-Tetrachloroethane	0.706	0.635	-	10.1	20	83	0
4-Ethyltoluene	3.266	3.343	-	-2.4	20	88	0
2-Chlorotoluene	2.476	2.298	-	7.2	20	84	0
1,3,5-Trimethylbenzene	2.831	2.839	-	-0.3	20	88	0
1,2,3-Trichloropropane	0.562	0.484	-	13.9	20	82	0
trans-1,4-Dichloro-2-buten	0.239	0.188	-	21.3*	20	72	0
4-Chlorotoluene	2.486	2.388	-	3.9	20	85	0
tert-Butylbenzene	2.394	2.495	-	-4.2	20	89	0
1,2,4-Trimethylbenzene	2.763	2.822	-	-2.1	20	87	0
sec-Butylbenzene	3.71	3.723	-	-0.4	20	87	0
p-Isopropyltoluene	3.059	3.294	-	-7.7	20	91	-.01
1,3-Dichlorobenzene	1.702	1.783	-	-4.8	20	93	0
1,4-Dichlorobenzene	1.734	1.772	-	-2.2	20	93	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148270		
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31		
Instrument ID	: VOA123	**Calibration Date**	: 09/15/21 07:13		
Lab File ID	: V23210915A01	**Init. Calib. Date(s)**	: 07/27/21	07/28/21	
Sample No	: WG1546767-2	**Init. Calib. Times**	: 23:52	03:12	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.835	1.989	-	-8.4	20	91	0
n-Butylbenzene	2.944	2.832	-	3.8	20	83	0
1,2-Dichlorobenzene	1.55	1.626	-	-4.9	20	93	0
1,2,4,5-Tetramethylbenzene	40	39.052	-	2.4	20	91	0
1,2-Dibromo-3-chloropropan	0.104	0.113	-	-8.7	20	100	0
1,3,5-Trichlorobenzene	1.166	1.391	-	-19.3	20	103	0
Hexachlorobutadiene	0.595	0.72	-	-21*	20	102	0
1,2,4-Trichlorobenzene	1.02	1.26	-	-23.5*	20	103	0
Naphthalene	2.169	2.366	-	-9.1	20	95	0
1,2,3-Trichlorobenzene	0.919	1.137	-	-23.7*	20	102	0

* Value outside of QC limits.

SVOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2148270

2 Soil Samples and 1 Field Duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were extracted and analyzed within USEPA holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable target compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable target compounds were above the method minimums and the %Ds were below the method maximum, as required.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1545443-2/3.

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Field Duplicates: The relative percent differences for fluoranthene, benzo(b)fluoranthene, and pyrene were above the allowable maximum (35%) for soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908 (attached table). Positive results for fluoranthene, benzo(b)fluoranthene, and pyrene should be considered estimated (J) in samples IRM-SW-NW-5.5'-2021-09-08 and DUP20210908.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Pesticide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8081B Pesticide Data
for Alpha Analytical Labs
SDG Number: L2148270

2 Soil Samples and 1 Field Duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximum and percent recoveries were within QC limits for soil samples WG1545380-2/3.

Field Duplicates: The analyses of soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908 reported target pesticides as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The %RSDs were below the allowable maximum (20%) or the correlation coefficients were above the allowable minimum (0.995) for applicable pesticides on both columns, as required.

Continuing Calibration: The %Ds and average %Ds for target pesticides were below the allowable maximum (20%) for both columns, as required.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within quantitation limits. The analyses of soil samples reported target single component pesticides as not detected.

Pesticide Identification Summary for Multi-Component Analytes: The analyses of soil samples reported target multi-component pesticides as not detected.

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PCB Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8082A PCB Data
for Alpha Analytical Labs
SDG Number: L2148270

2 Soil Samples and 1 Field Duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for soil samples WG1545360-2/3.

Field Duplicates: The analyses of soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908 reported target aroclors as either not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for aroclor 1016 and aroclor-1260 were below the allowable maximum (20%) for both columns, as required.

PCB Identification Summary: Checked surrogate and detected aroclor results were within quantitation limits. The RPD for dual column quantitation of aroclor 1254 in sample DUP20210908 was above the allowable maximum (25%), but not above 70% and the higher result was reported. The positive result for aroclor 1254 should be considered estimated, biased high (J+) in sample DUP20210908.

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Identification Summary
Form 10
PCBs

Client	:	Sterling Environmental Engineering	Lab Number	:	L2148270
Project Name	:	TROY BELTING-IRM	Project Number	:	2011-31
Lab Sample ID	:	L2148270-03			
Client ID	:	DUP20210908			
Date Analyzed (1)	:	09/13/21 14:06	Date Analyzed (2)	:	09/13/21 14:06
Instrument ID (1)	:	PEST19	Instrument ID (2)	:	PEST19
GC Column (1)	:	CLP-Pesticide	GC Column (2)	:	CLP-PesticideII

			RT Window			Mean	
Analyte	Peak	RT	From	To	Concentration	Concentration	%RPD
AROCLOR 1254	1	2.48	-0.05	0.05	3.68		
	2	0.00	-0.05	0.05	0.		
COLUMN 1	3	2.74	-0.05	0.05	3.91		
	4	2.87	-0.05	0.05	3.04		
	5	3.07	-0.05	0.05	3.13	3.44	
	1	2.82	-0.05	0.05	5.88		
	2	2.90	-0.05	0.05	6.17		
COLUMN 2	3	3.12	-0.05	0.05	3.56		
	4	3.23	-0.05	0.05	3.99		
	5	3.50	-0.05	0.05	3.29	4.58J	28.4

Herbicide Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8151 Herbicide Data
for Alpha Analytical Labs
SDG Number: L2148270

2 Soil Samples and 1 Field Duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were extracted and analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent difference for 2,4,5-TP was below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1544510-2/3.

Field Duplicates: The analyses of soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908 reported 2,4,5-TP as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The %RSDs for 2,4,5-TP were below the allowable maximum (20%) for both columns, as required.

Continuing Calibration: The %Ds for 2,4,5-TP were below the allowable maximum (15%) for both columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the soil samples reported 2,4,5-TP as not detected.

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Metals Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Metals Data
for Alpha Analytical Labs
SDG Number: L2148270

2 Soil Samples and 1 Field Duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses of initial and continuing calibration and method blanks reported target metals as either not detected or below the reporting limits, as required.

Spike Sample Recovery: One of two percent recoveries (%Rs) for copper was above control limits (75-125%) for soil batch MS/MSD sample L2148240-24. Positive results for copper should be considered estimated, biased high (J+) in associated soil samples.

Two of two %Rs for mercury were above control limits (75-125%) for soil batch MS/MSD sample L2100009-370. Positive results for mercury should be considered estimated, biased high (J+) in associated soil samples.

One of two %Rs for zinc was above control limits (75-125%) and one was below control limits, but not below 10% for soil batch MS/MSD sample L2148240-24. Positive and "not detected" results for zinc should be considered estimated (J or UJ respectively) in associated soil samples.

Two of two %Rs for manganese were below control limits (75-125%) , but not below 10% for soil batch MS/MSD sample L2148240-24. Positive results for manganese should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated soil samples.

Two of two %Rs for lead were below control limits (75-125%) and below 10% for soil batch MS/MSD sample L2148240-24. Positive results for lead should be considered estimated, biased low (J-) and "not detected" results rejected, unusable (R) in associated soil samples.

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Laboratory Duplicates: The relative percent differences for copper and zinc were above the allowable maximum (35%) for soil batch MS/MSD sample L2148240-24. Positive results for copper and zinc should be considered estimated (J) in associated soil samples.

Field Duplicates: The relative percent difference for manganese was above the allowable maximum (35%) for soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908 (attached table). Positive results for manganese should be considered estimated (J) in samples IRM-SW-NW-5.5'-2021-09-08 and DUP20210908.

Laboratory Control Sample: The percent recoveries for target metals were within control limits for soil samples WG1544630-2 and WG1544632-2.

Percent Solids: The percent solids for soil samples were above 50%.

Form 5a
Matrix Spike

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: L2148240-24		
Matrix Spike	: WG1544630-3	MS Analysis Date	: 09/15/21 13:42
Matrix Spike Dup	: WG1544630-4	MSD Analysis Date	: 09/15/21 13:46

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		RPD		Recovery Limits	RPD Limit
Arsenic, Total	4.30	12.8	18.0	107		12.5	18.0	110		0		75-125	20
Barium, Total	30.6	213	207	83		208	219	90		6		75-125	20
Beryllium, Total	0.191J	5.32	5.20	98		5.2	5.20	100		0		75-125	20
Cadmium, Total	0.530J	5.64	5.28	94		5.51	5.43	98		3		75-125	20
Chromium, Total	9.33	21.3	29.9	97		20.8	30.8	103		3		75-125	20
Copper, Total	11.7	26.6	34.3	85		26	150	532	Q	126	Q	75-125	20
Lead, Total	184	56.4	128	0	Q	55.1	163	0	Q	24	Q	75-125	20
Manganese, Total	143	53.2	160	32	Q	52	155	23	Q	3		75-125	20
Nickel, Total	13.1	53.2	57.6	84		52	58.7	88		2		75-125	20
Selenium, Total	0.360J	12.8	11.3	88		12.5	11.9	95		5		75-125	20
Silver, Total	ND	31.9	30.4	95		31.2	30.8	99		1		75-125	20
Zinc, Total	53.0	53.2	91.9	73	Q	52	209	300	Q	78	Q	75-125	20

Form 5a
Matrix Spike

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: L2100009-370		
Matrix Spike	: WG1544632-3	MS Analysis Date	: 09/13/21 11:49
Matrix Spike Dup	: WG1544632-4	MSD Analysis Date	: 09/13/21 11:52

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	0.278	0.126	4.93	3680Q	0.134	5.18	3650 Q	5	80-120	20

Cyanide Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Cyanide
Data for Alpha Analytical Labs
SDG Number: L2148270

2 Soil Samples and 1 Field Duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for total cyanide were within QC limits (75-125%) for soil batch MS/MSD samples L2148442-02.

Laboratory Duplicates: The relative percent difference for total cyanide was below the allowable maximum (35%) for soil batch MS/MSD sample L2148442-02, as required.

Field Duplicates: The analyses of soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908 reported total cyanide as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The relative percent difference for total cyanide was below the allowable maximum, but 1 of 2 percent recoveries were below QC limits (80-120%), but not below 10% for soil samples WG1546371-2/3. Positive results for total cyanide should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated solid samples.

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Form 7
Laboratory Control Sample

Client	: Sterling Environmental Engineering	Lab Number	: L2148270
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: WG1546371-2	LCS Analysis Date	: 09/15/21 11:12
Dup Sample ID	: WG1546371-3	LCSD Analysis Date	: 09/15/21 11:13

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Cyanide, Total	124.	84.0	67.	124.	100	84.	22	80-120	35

General Chemistry
Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Hexavalent Chromium (Cr6+)
Data for Alpha Analytical Labs
SDG Number: L2148270

2 Soil Samples and 1 Field Duplicate
Collected September 8, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported Cr6+ as not detected.

Spike Sample Recovery: The percent recoveries for CR6+ were within QC limits (75-125%) for soil batch spike samples WG1544973-5 and soil spike sample IRM-SW-NW-5.5'-2021-09-08.

Laboratory Duplicates: The analysis of soil duplicate sample IRM-SW-NW-5.5'-2021-09-08 was acceptable.

Field Duplicates: The analyses of soil field duplicate pair IRM-SW-NW-5.5'-2021-09-08/DUP20210908 reported Cr6+ as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recoveries for Cr6+ were within QC limits (80-120%) for soil samples WG1544973-2/3.

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Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2148270

S1= IRM-SW-NW-5.5'-2021-09- 08 **S2=** DUP20210908

Analyte	S1	S2	RPD (%)
1,1-Dichloroethane	**9.9**	**9.3**	NC
Chloroform	**6.6**	**9.9**	NC
Tetrachloroethene	380	410	8%
Ethylbenzene	ND	**10**	NC
1,1,1-Trichloroethane	430	510	17%
1,1-Dichloroethene	**15**	**13**	NC
trans-1,2-Dichloroethene	**9.2**	**11**	NC
Trichloroethene	**20000**	**22000**	NC
Trichloroethene-DL	19000	20000	5%
p/m-Xylene	**19**	**47**	NC
o-Xylene	**28**	**47**	NC
cis-1,2-Dichloroethene	590	640	8%
1,3,5-Trimethylbenzene	**8.4**	ND	NC
1,2,4-Trimethylbenzene	**22**	**30**	NC

* RPD is above the allowable maximum 35%

Results are in units of ug/kg.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Semi-Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2148270

S1= IRM-SW-NW-5.5'-2021-09- 08 **S2=** DUP20210908

Analyte	S1	S2	RPD (%)	
Fluoranthene	170	410	83%	*
Benzo(a)anthracene	**69**	140	NC	
Benzo(a)pyrene	**71**	160	NC	
Benzo(b)fluoranthene	110	290	90%	*
Benzo(k)fluoranthene	**43**	**76**	NC	
Chrysene	**89**	210	NC	
Benzo(ghi)perylene	**58**	**130**	NC	
Phenanthrene	**58**	130	NC	
Dibenzo(a,h)anthracene	ND	**27**	NC	
Indeno(1,2,3-cd)pyrene	**58**	**140**	NC	
Pyrene	140	330	81%	*

* RPD is above the allowable maximum 35%.

Results are in units of ug/kg.

Bold numbers were values that are below the CRQL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

TAL Metals

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2148270

S1= IRM-SW-NW-5.5'-2021-09- 08 **S2=** DUP20210908

Analyte	S1	S2	RPD (%)	
arsenic	6.71	4.72	35%	
barium	69.5	78.6	12%	
beryllium	0.391	0.387	1%	
cadmium	0.512	0.463	10%	
chromium	11.2	10.4	7%	
copper	27.5	27.7	1%	
lead	14.3	12.3	15%	
manganese	499	731	38%	*
mercury	**0.073**	**0.065**	NC	
nickel	16.9	18.4	8%	
selenium	**0.142**	ND	NC	
silver	ND	ND	NC	
zinc	51.3	48.8	5%	

* RPD is above the allowable maximum 35%.

Results are in units of mg/kg.

Bold numbers were values that are below the CRDL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

General Chemistries

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2148270

S1= IRM-SW-NW-5.5'-2021-09- 08 **S2=** DUP20210908

Analyte	S1	S2	RPD (%)
Chromium, Trivalent	11	10	10%
Cyanide, Total	ND	ND	NC
Chromium, Hexavalent	ND	ND	NC

* RPD is above the allowable maximum 35%

Results are in units of mg/kg.

Bold numbers were values that are below the RL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile, semi-volatile, herbicides, PCB, pesticides, TAL metal, hexavalent chromium, and total cyanide analyses for 1 soil sample.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The volatile result for trichloroethene in sample IRM-SW-NE-5.5'-2021-09-09 was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for trichloroethene marked "E" in the sample was qualified as estimated (J).

- The positive volatile result for chloroform was qualified as "not detected" (U) for sample IRM-SW-NE-5.5'-2021-09-09 because the level reported in the sample was not significantly greater than (more than 5 times) the highest associated blank level.

- The positive metal result for mercury was qualified as estimated, biased high (J+) in sample IRM-SW-NE-5.5'-2021-09-09 because the percent recovery for mercury was above control limits in the associated soil batch spike sample.

- The positive metal results for lead, manganese, and nickel were qualified as estimated, biased low (J-) in sample IRM-SW-NE-5.5'-2021-09-09 because the percent recoveries for lead, manganese, and nickel were below control limits and below 10% in the associated soil batch spike sample.

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- The positive metal results for chromium and zinc were qualified as estimated (J) in sample IRM-SW-NE-5.5'-2021-09-09 because relative percent differences for chromium and zinc were above the allowable maximum in the associated soil batch duplicate sample.

- The "not detected" result for total cyanide was qualified as estimated (UJ) in sample IRM-SW-NE-5.5'-2021-09-09 because 2 of 2 percent recoveries for total cyanide were below control limits, but not below 10% in the associated soil LCS/LCSD.

All data are considered usable with estimated (J, J-, J+, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148653-01	Date Collected	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	Date Received	: 09/09/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/21 04:08
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: JC
Lab File ID	: V17210915N22	Instrument ID	: VOA117
Sample Amount	: 10.9 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: 85
Extract Volume (MeOH)	: 5 ml	Injection Volume	: N/A

		ug/Kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	180	82.	U	
75-34-3	1,1-Dichloroethane	93	36	5.2		
67-66-3	Chloroform	7.4	54	5.0	J	U
56-23-5	Carbon tetrachloride	ND	36	8.3	U	
127-18-4	Tetrachloroethene	2700	18	7.0		
108-90-7	Chlorobenzene	ND	18	4.6	U	
107-06-2	1,2-Dichloroethane	ND	36	9.2	U	
71-55-6	1,1,1-Trichloroethane	170	18	6.0		
71-43-2	Benzene	ND	18	6.0	U	
108-88-3	Toluene	ND	36	20.	U	
100-41-4	Ethylbenzene	ND	36	5.1	U	
75-01-4	Vinyl chloride	60	36	12.		
75-35-4	1,1-Dichloroethene	23	36	8.6	J	
156-60-5	trans-1,2-Dichloroethene	54	54	4.9		
79-01-6	Trichloroethene	16000	18	4.9	E	J
95-50-1	1,2-Dichlorobenzene	ND	72	5.2	U	
541-73-1	1,3-Dichlorobenzene	ND	72	5.3	U	
106-46-7	1,4-Dichlorobenzene	ND	72	6.2	U	
1634-04-4	Methyl tert butyl ether	ND	72	7.2	U	
179601-23-1	p/m-Xylene	ND	72	20.	U	
95-47-6	o-Xylene	ND	36	10.	U	
156-59-2	cis-1,2-Dichloroethene	3900	36	6.3		
67-64-1	Acetone	ND	360	170	U	
78-93-3	2-Butanone	ND	360	80.	U	
104-51-8	n-Butylbenzene	ND	36	6.0	U	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148653-01	**Date Collected**	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	**Date Received**	: 09/09/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/16/21 04:08
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: JC
Lab File ID	: V17210915N22	**Instrument ID**	: VOA117
Sample Amount	: 10.9 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 85
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	ND	36	5.2	U
98-06-6	tert-Butylbenzene	ND	72	4.2	U
103-65-1	n-Propylbenzene	ND	36	6.2	U
108-67-8	1,3,5-Trimethylbenzene	ND	72	6.9	U
95-63-6	1,2,4-Trimethylbenzene	ND	72	12.	U
123-91-1	1,4-Dioxane	ND	2900	1300	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148653-01D2	**Date Collected**	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	**Date Received**	: 09/09/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/16/21 12:54
Sample Matrix	: SOIL	**Dilution Factor**	: 4
Analytical Method	: 1,8260C	**Analyst**	: KJD
Lab File ID	: V17210916A07	**Instrument ID**	: VOA117
Sample Amount	: 10.9 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 85
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
79-01-6	Trichloroethene	15000	72	20.	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148653-01	Date Collected	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	Date Received	: 09/09/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 15:23
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 48653-01	Analyst	: EK
Sample Amount	: 10.69 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 85
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	440	57.	U
118-74-1	Hexachlorobenzene	ND	330	62.	U
206-44-0	Fluoranthene	95	330	63.	J
91-20-3	Naphthalene	ND	550	67.	U
56-55-3	Benzo(a)anthracene	ND	330	62.	U
50-32-8	Benzo(a)pyrene	ND	440	130	U
205-99-2	Benzo(b)fluoranthene	ND	330	93.	U
207-08-9	Benzo(k)fluoranthene	ND	330	88.	U
218-01-9	Chrysene	ND	330	57.	U
208-96-8	Acenaphthylene	ND	440	85.	U
120-12-7	Anthracene	ND	330	110	U
191-24-2	Benzo(ghi)perylene	ND	440	65.	U
86-73-7	Fluorene	ND	550	54.	U
85-01-8	Phenanthrene	ND	330	67.	U
53-70-3	Dibenzo(a,h)anthracene	ND	330	64.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	440	77.	U
129-00-0	Pyrene	86	330	55.	J
132-64-9	Dibenzofuran	ND	550	52.	U
87-86-5	Pentachlorophenol	ND	440	120	U
108-95-2	Phenol	ND	550	83.	U
95-48-7	2-Methylphenol	ND	550	85.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	790	86.	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148653-01	**Date Collected**	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	**Date Received**	: 09/09/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/16/21 14:31
Sample Matrix	: SOIL	**Date Extracted**	: 09/14/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210916a-19	**Analyst**	: AR
Sample Amount	: 30.21 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 85
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	195	5.19	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148653-01	Date Collected	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	Date Received	: 09/09/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 18:39
Sample Matrix	: SOIL	Date Extracted	: 09/11/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-57	Analyst	: AD
Sample Amount	: 15.69 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 85
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	37.6	3.34	U
11104-28-2	Aroclor 1221	ND	37.6	3.76	U
11141-16-5	Aroclor 1232	ND	37.6	7.97	U
53469-21-9	Aroclor 1242	ND	37.6	5.06	U
12672-29-6	Aroclor 1248	ND	37.6	5.64	U
11097-69-1	Aroclor 1254	ND	37.6	4.11	U
11096-82-5	Aroclor 1260	ND	37.6	6.94	U
37324-23-5	Aroclor 1262	ND	37.6	4.77	U
11100-14-4	Aroclor 1268	ND	37.6	3.89	U
1336-36-3	PCBs, Total	ND	37.6	3.34	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148653-01	Date Collected	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	Date Received	: 09/09/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 14:36
Sample Matrix	: SOIL	Date Extracted	: 09/13/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18210914a-17	Analyst	: JAW
Sample Amount	: 15.4 g	Instrument ID	: PEST18
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 85
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.84	0.360	U
58-89-9	Lindane	ND	0.766	0.342	U
319-84-6	Alpha-BHC	ND	0.766	0.217	U
319-85-7	Beta-BHC	ND	1.84	0.697	U
76-44-8	Heptachlor	ND	0.919	0.412	U
309-00-2	Aldrin	ND	1.84	0.647	U
72-20-8	Endrin	ND	0.766	0.314	U
60-57-1	Dieldrin	ND	1.15	0.574	U
72-55-9	4,4'-DDE	ND	1.84	0.425	U
72-54-8	4,4'-DDD	ND	1.84	0.655	U
50-29-3	4,4'-DDT	ND	3.44	1.48	U
959-98-8	Endosulfan I	ND	1.84	0.434	U
33213-65-9	Endosulfan II	ND	1.84	0.614	U
1031-07-8	Endosulfan sulfate	ND	0.766	0.364	U
5103-71-9	cis-Chlordane	ND	2.30	0.640	U

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148653-01	Date Collected	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	Date Received	: 09/09/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 17:01
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: SV
Lab File ID	: WG1546505.pdf	Instrument ID	: TRACE4
Sample Amount	: 1.269g	%Solids	: 85
Digestion Method	: EPA 3050B	Date Digested	: 09/13/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7440-38-2	Arsenic, Total	6.82	0.465	0.097	
7440-39-3	Barium, Total	84.4	0.465	0.081	
7440-41-7	Beryllium, Total	0.465	0.232	0.015	
7440-43-9	Cadmium, Total	0.525	0.465	0.046	
7440-47-3	Chromium, Total	11.3	0.465	0.045	J
7440-50-8	Copper, Total	26.4	0.465	0.120	
7439-92-1	Lead, Total	23.9	2.32	0.124	J-
7440-02-0	Nickel, Total	17.4	1.16	0.112	J-
7782-49-2	Selenium, Total	0.139	0.929	0.120	J
7440-22-4	Silver, Total	ND	0.465	0.131	U
7440-66-6	Zinc, Total	51.6	2.32	0.136	J

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148653-01	Date Collected	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	Date Received	: 09/09/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/21 10:36
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: JC
Lab File ID	: WG1546994.pdf	Instrument ID	: TRACE4
Sample Amount	: 1.269g	%Solids	: 85
Digestion Method	: EPA 3050B	Date Digested	: 09/13/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-96-5	Manganese, Total	1500	0.465	0.074	J-

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148653-01	Date Collected	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	Date Received	: 09/09/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 11:02
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: OU
Lab File ID	: WG1546008.txt	Instrument ID	: NIC3
Sample Amount	: 0.389g	%Solids	: 85
Digestion Method	: EPA 7471B	Date Digested	: 09/13/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.119	0.076	0.049	J+

Form 1
METALS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148653-01	**Date Collected**	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	**Date Received**	: 09/09/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/16/21 12:25
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 85
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	11	0.94	0.94	

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148653-01	Date Collected	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	Date Received	: 09/09/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/21 11:55
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,9010C/9012B	Analyst	: CR
Lab File ID	: TCN091621-B	Instrument ID	: LACHAT
Sample Amount	: 1.0161g	%Solids	: 85
Digestion Method	:	Date Digested	: 09/15/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
57-12-5	Cyanide, Total	ND	1.2	0.25	U	UJ

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148653-01	**Date Collected**	: 09/09/21 12:40
Client ID	: IRM-SW-NE-5.5'-2021-09-09	**Date Received**	: 09/09/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/16/21 12:25
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: JT
Lab File ID	: WG1546586.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.4981g	**%Solids**	: 85
Digestion Method	: EPA 3060A	**Date Digested**	: 09/15/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.943	0.189	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The sample was analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, methyl acetate, 2-butanone, trichloroethene, 4-methyl-2-pentanone, and 2-hexanone were below the method minimums, but not below 0.010 for VOA117 on 07-26-21. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for methyl acetate and trichloroethene were below the method minimums, but not below 0.010 on 09-15-21 (V17210915N01). The RRFs for methyl acetate, trichloroethene, and 2-hexanone were below the method minimums, but not below 0.010 on 09-16-21 (V17210916N01). The %D for 2-butanone was above the method maximum on 09-15-21 (V17210915N01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %D for 2-butanone were above the allowable maximum (20%) on 09-15-21 (V17210915N01). Positive results for 2-butanone should be considered estimated (J) in associated samples.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Blanks: Method blank WG1547119-5BLANK contained a trace of chloroform (15 ug/kg). Positive results for chloroform that are less than 5 times the method blank level should be considered not detected (U) in associated samples.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil sample.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1547119-3/4 and WG1547119-8/9.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The result for trichloroethene in sample IRM-SW-NE-5.5'-2021-09-09 was quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the result that is flagged as 'E' in the undiluted sample should be considered estimated (J). The use of the diluted result for trichloroethene is recommended for sample IRM-SW-NE-5.5'-2021-09-09. It is recommended that the undiluted results be used for all other compounds.

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: WG1547119-5	Date Collected	: NA
Client ID	: WG1547119-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/15/21 19:58
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V17210915N04	Instrument ID	: VOA117
Sample Amount	: 15.0 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: NA
Extract Volume (MeOH)	: 15 ml	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	250	110	U
75-34-3	1,1-Dichloroethane	ND	50	7.2	U
67-66-3	Chloroform	15	75	7.0	J
56-23-5	Carbon tetrachloride	ND	50	12.	U
127-18-4	Tetrachloroethene	ND	25	9.8	U
108-90-7	Chlorobenzene	ND	25	6.4	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.3	U
108-88-3	Toluene	ND	50	27.	U
100-41-4	Ethylbenzene	ND	50	7.0	U
75-01-4	Vinyl chloride	ND	50	17.	U
75-35-4	1,1-Dichloroethene	ND	50	12.	U
156-60-5	trans-1,2-Dichloroethene	ND	75	6.8	U
79-01-6	Trichloroethene	ND	25	6.8	U
95-50-1	1,2-Dichlorobenzene	ND	100	7.2	U
541-73-1	1,3-Dichlorobenzene	ND	100	7.4	U
106-46-7	1,4-Dichlorobenzene	ND	100	8.6	U
1634-04-4	Methyl tert butyl ether	ND	100	10.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	ND	50	8.8	U
67-64-1	Acetone	ND	500	240	U
78-93-3	2-Butanone	ND	500	110	U
104-51-8	n-Butylbenzene	ND	50	8.4	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: WG1547119-5	Date Collected	: NA
Client ID	: WG1547119-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 09/15/21 19:58
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V17210915N04	Instrument ID	: VOA117
Sample Amount	: 15.0 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: NA
Extract Volume (MeOH)	: 15 ml	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
135-98-8	sec-Butylbenzene	ND	50	7.3	U
98-06-6	tert-Butylbenzene	ND	100	5.9	U
103-65-1	n-Propylbenzene	ND	50	8.6	U
108-67-8	1,3,5-Trimethylbenzene	ND	100	9.6	U
95-63-6	1,2,4-Trimethylbenzene	ND	100	17.	U
123-91-1	1,4-Dioxane	ND	4000	1800	U

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Instrument ID	: VOA117	**Ical Ref**	: ICAL18177
Calibration dates	: 07/26/21 22:08 07/27/21 01:36		

Calibration Files

L1 =V17210726N05.D L2 =V17210726N07.D L3 =V17210726N08.D L4 =V17210726N09.D L6 =V17210726N10.D

L7 =V17210726N11.D L8 =V17210726N12.D L0 =V17210726N04.D L1.5=V17210726N06.D

		Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluoromethane	0.051	0.066	0.066	0.065	0.065	0.063	0.060		0.066	0.063	8.59
3)	TP	Chloromethane	0.148	0.137	0.128	0.124	0.122	0.121	0.117		0.148	0.131	9.51
4)	TC	Vinyl chloride	0.157	0.156	0.155	0.154	0.154	0.149	0.143		0.161	0.154	3.47
5)	TP	Bromomethane	0.193	0.172	0.140	0.124	0.117	0.117	0.114		0.180	*Q	0.9991
6)	TP	Chloroethane	0.141	0.143	0.135	0.134	0.134	0.112			0.150	0.136	8.96
7)	TP	Trichlorofluoromethane	0.256	0.276	0.278	0.280	0.278	0.270	0.257		0.288	0.273	4.21
8)	TP	Ethyl ether	0.106	0.108	0.103	0.102	0.104	0.104	0.100		0.107	0.104	2.56
10)	TC	1,1-Dichloroethene	0.130	0.137	0.140	0.138	0.139	0.137	0.134		0.145	0.137	3.17
11)	TP	Carbon disulfide		0.467	0.431	0.425	0.422	0.415	0.402		0.540	0.443	10.61
12)	TP	Freon-113	0.124	0.133	0.138	0.138	0.136	0.134	0.131		0.145	0.135	4.53
14)	TP	Acrolein	0.010	0.013	0.013	0.013	0.014	0.014	0.014		0.009	0.012#	14.03
15)	TP	Methylene chloride	0.351	0.234	0.178	0.169	0.167	0.164	0.160		0.287	*L	0.9996
17)	TP	Acetone	0.068	0.041	0.028	0.027	0.027	0.028	0.027		0.047	*L	0.9996
18)	TP	trans-1,2-Dichloroethene	0.166	0.171	0.169	0.168	0.168	0.165	0.160		0.177	0.168	2.79
19)	TP	Methyl acetate	0.071	0.072	0.064	0.065	0.068	0.071	0.069		0.071	0.069#	4.30
20)	TP	Methyl tert-butyl ether	0.406	0.408	0.409	0.421	0.432	0.436	0.425		0.421	0.420	2.70
21)	TP	tert-Butyl alcohol	0.012	0.012	0.012	0.012	0.013	0.013	0.013		0.012	0.012#	4.84
22)	TP	Diisopropyl ether	0.445	0.463	0.481	0.495	0.508	0.513	0.502		0.467	0.484	5.03
23)	TP	1,1-Dichloroethane	0.292	0.309	0.301	0.299	0.300	0.298	0.288		0.324	0.301	3.67
24)	TP	Halothane	0.116	0.126	0.126	0.127	0.127	0.125	0.122		0.126	0.124	3.03
25)	TP	Acrylonitrile	0.029	0.037	0.036	0.038	0.039	0.040	0.038		0.033	*L	0.9996
26)	TP	Ethyl tert-butyl ether	0.426	0.441	0.459	0.476	0.496	0.501	0.493		0.449	0.468	5.98
27)	TP	Vinyl acetate	0.259	0.251	0.251	0.258	0.273	0.262	0.281		0.252	0.261	4.26
28)	TP	cis-1,2-Dichloroethene	0.176	0.197	0.189	0.188	0.190	0.186	0.181		0.188	0.187	3.32
29)	TP	2,2-Dichloropropane	0.263	0.263	0.263	0.263	0.264	0.259	0.252		0.271	0.262	2.00
30)	TP	Bromochloromethane	0.083	0.083	0.080	0.079	0.078	0.075	0.072		0.078	0.079	4.85
31)	TP	Cyclohexane	0.262	0.256	0.263	0.266	0.262	0.257	0.250		0.273	0.261	2.73
32)	TC	Chloroform	0.398	0.350	0.330	0.326	0.323	0.305	0.295		0.369	0.337	10.03
33)	TP	Ethyl acetate	0.106	0.100	0.098	0.103	0.107	0.108	0.104		0.088	0.102	6.37
34)	TP	Carbon tetrachloride	0.235	0.234	0.239	0.242	0.244	0.241	0.235		0.250	0.240	2.31
35)	TP	Tetrahydrofuran	0.034	0.035	0.030	0.032	0.032	0.032	0.030		0.040	*L	0.9992
36)	S	Dibromofluoromethane	0.250	0.248	0.238	0.238	0.236	0.235	0.236	0.249	0.249	0.242	2.69
37)	TP	1,1,1-Trichloroethane	0.259	0.268	0.268	0.270	0.268	0.260	0.251	0.241	0.280	0.263	4.40
39)	TP	2-Butanone	0.045	0.046	0.042	0.042	0.044	0.045	0.044		0.046	*L	0.9993
40)	TP	1,1-Dichloropropene	0.225	0.231	0.230	0.233	0.230	0.224	0.217	0.195	0.224	0.223	5.18

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Instrument ID	: VOA117	**Ical Ref**	: ICAL18177
Calibration dates	: 07/26/21 22:08 07/27/21 01:36		

Calibration Files

L1 =V17210726N05.D L2 =V17210726N07.D L3 =V17210726N08.D L4 =V17210726N09.D L6 =V17210726N10.D

L7 =V17210726N11.D L8 =V17210726N12.D L0 =V17210726N04.D L1.5=V17210726N06.D

		Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
41)	TP	Benzene	0.695	0.689	0.674	0.673	0.670	0.658	0.636	0.663	0.700	0.673	2.95
42)	TP	tert-Amyl methyl ether	0.363	0.382	0.390	0.411	0.429	0.432	0.422		0.375	0.400	6.60
43)	S	1,2-Dichloroethane-d4	0.241	0.240	0.227	0.228	0.236	0.238	0.241	0.237	0.240	0.236	2.27
44)	TP	1,2-Dichloroethane	0.217	0.210	0.202	0.206	0.206	0.202	0.196		0.218	0.207	3.62
47)	TP	Methyl cyclohexane	0.266	0.261	0.278	0.284	0.284	0.278	0.271		0.274	0.274	3.00
48)	TP	Trichloroethene	0.174	0.183	0.185	0.186	0.186	0.185	0.177	0.157	0.198	0.181#	6.20
50)	TP	Dibromomethane	0.087	0.093	0.092	0.093	0.094	0.094	0.092		0.093	0.092	2.45
51)	TC	1,2-Dichloropropane	0.155	0.176	0.172	0.174	0.176	0.174	0.169		0.172	0.171	3.95
53)	TP	2-Chloroethyl vinyl ether	0.070	0.078	0.083	0.089	0.094	0.093	0.090		0.078	0.084	10.25
54)	TP	Bromodichloromethane	0.225	0.231	0.231	0.237	0.242	0.242	0.236	0.190	0.232	0.230	6.89
57)	TP	1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001		0.001	0.001#	9.70
58)	TP	cis-1,3-Dichloropropene	0.229	0.253	0.264	0.273	0.281	0.281	0.270	0.217	0.248	0.257	8.73
59)	I	Chlorobenzene-d5	----------ISTD----------										
60)	S	Toluene-d8	1.301	1.289	1.303	1.302	1.313	1.302	1.286	1.305	1.293	1.299	0.65
61)	TC	Toluene	0.621	0.595	0.590	0.596	0.599	0.586	0.567		0.595	0.594	2.51
62)	TP	4-Methyl-2-pentanone		0.045	0.052	0.057	0.060	0.061	0.059		0.042	*L	0.9993
63)	TP	Tetrachloroethene	0.226	0.233	0.248	0.250	0.253	0.245	0.236	0.201	0.243	0.237	6.79
65)	TP	trans-1,3-Dichloropropene	0.244	0.268	0.303	0.318	0.333	0.329	0.319		0.265	0.297	11.31
67)	TP	Ethyl methacrylate	0.202	0.214	0.235	0.249	0.261	0.261	0.253		0.208	0.235	10.40
68)	TP	1,1,2-Trichloroethane	0.125	0.136	0.147	0.151	0.154	0.152	0.148		0.136	0.144	7.21
69)	TP	Chlorodibromomethane	0.175	0.191	0.207	0.219	0.231	0.229	0.224	0.157	0.198	0.203	12.66
70)	TP	1,3-Dichloropropane	0.278	0.295	0.307	0.313	0.318	0.309	0.298		0.290	0.301	4.41
71)	TP	1,2-Dibromoethane	0.140	0.157	0.166	0.174	0.181	0.178	0.171	0.130	0.159	0.162	10.66
72)	TP	2-Hexanone	0.076	0.084	0.084	0.093	0.098	0.102	0.097		0.073	0.088#	12.02
73)	TP	Chlorobenzene	0.635	0.659	0.664	0.665	0.676	0.656	0.636	0.576	0.659	0.647	4.60
74)	TC	Ethylbenzene	1.117	1.121	1.162	1.154	1.165	1.132	1.094		1.143	1.136	2.16
75)	TP	1,1,1,2-Tetrachloroethane	0.184	0.210	0.227	0.236	0.247	0.241	0.236	0.185	0.214	0.220	10.64
76)	TP	p/m Xylene	0.434	0.430	0.442	0.444	0.446	0.436	0.420	0.378	0.434	0.429	4.82
77)	TP	o Xylene	0.386	0.416	0.423	0.422	0.430	0.425	0.416	0.375	0.398	0.410	4.70
78)	TP	Styrene	0.635	0.672	0.716	0.715	0.735	0.721	0.701	0.586	0.677	0.684	6.99
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.185	0.216	0.238	0.260	0.265	0.262			0.238	13.47
82)	TP	Isopropylbenzene	1.960	2.130	2.300	2.313	2.321	2.273	2.204		2.140	2.205	5.64
83)	S	4-Bromofluorobenzene	0.885	0.886	0.906	0.927	0.928	0.920	0.912	0.887	0.909	0.907	1.90
84)	TP	Bromobenzene	0.472	0.513	0.527	0.536	0.538	0.528	0.512		0.516	0.518	4.06
85)	TP	n-Propylbenzene	2.485	2.601	2.720	2.780	2.788	2.751	2.662		2.690	2.685	3.80

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148653**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA117**	**Ical Ref**	**: ICAL18177**
Calibration dates	**: 07/26/21 22:08 07/27/21 01:36**		

Calibration Files

L1 =V17210726N05.D L2 =V17210726N07.D L3 =V17210726N08.D L4 =V17210726N09.D L6 =V17210726N10.D

L7 =V17210726N11.D L8 =V17210726N12.D L0 =V17210726N04.D L1.5=V17210726N06.D

	Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
86) TP	1,4-Dichlorobutane	0.570	0.596	0.607	0.637	0.663	0.667	0.657		0.584	0.622	6.11
87) TP	1,1,2,2-Tetrachloroethane	0.364	0.381	0.395	0.414	0.422	0.417	0.410	0.330	0.372	0.389	7.83
88) TP	4-Ethyltoluene	2.103	2.152	2.247	2.258	2.261	2.226	2.141		2.196	2.198	2.72
89) TP	2-Chlorotoluene	1.419	1.513	1.580	1.589	1.608	1.542	1.502		1.627	1.547	4.41
90) TP	1,3,5-Trimethylbenzene	1.736	1.844	1.910	1.918	1.909	1.882	1.835		1.885	1.865	3.24
91) TP	1,2,3-Trichloropropane	0.293	0.306	0.312	0.329	0.335	0.336	0.329		0.311	0.319	4.91
92) TP	trans-1,4-Dichloro-2-b...		0.100	0.115	0.129	0.133	0.136	0.132		0.097	0.120	13.57
93) TP	4-Chlorotoluene	1.474	1.576	1.632	1.645	1.658	1.636	1.578		1.611	1.601	3.72
94) TP	tert-Butylbenzene	1.446	1.567	1.634	1.660	1.675	1.651	1.606		1.558	1.600	4.70
97) TP	1,2,4-Trimethylbenzene	1.732	1.835	1.903	1.914	1.916	1.892	1.839		1.874	1.863	3.30
98) TP	sec-Butylbenzene	2.201	2.384	2.506	2.546	2.561	2.524	2.435		2.506	2.458	4.84
99) TP	p-Isopropyltoluene	1.857	2.017	2.140	2.129	2.169	2.139	2.073		2.051	2.072	4.87
100) TP	1,3-Dichlorobenzene	1.003	1.041	1.076	1.077	1.086	1.072	1.030		1.097	1.060	3.05
101) TP	1,4-Dichlorobenzene	1.017	1.060	1.064	1.060	1.070	1.050	1.011		1.088	1.052	2.49
102) TP	p-Diethylbenzene	1.103	1.202	1.290	1.295	1.309	1.306	1.257		1.225	1.248	5.65
103) TP	n-Butylbenzene	1.730	1.851	2.010	2.002	2.012	1.986	1.897		1.961	1.931	5.17
104) TP	1,2-Dichlorobenzene	0.908	0.942	0.970	0.974	0.984	0.970	0.939		0.958	0.956	2.60
105) TP	1,2,4,5-Tetramethylben...	1.716	1.893	2.027	2.062	2.144	2.142	2.074		1.918	1.997	7.33
106) TP	1,2-Dibromo-3-chloropr...		0.058	0.059	0.065	0.069	0.071	0.068		0.051	0.063	11.65
107) TP	1,3,5-Trichlorobenzene	0.709	0.734	0.774	0.773	0.790	0.778	0.735		0.757	0.756	3.68
108) TP	Hexachlorobutadiene	0.331	0.348	0.375	0.381	0.386	0.376	0.360		0.358	0.364	5.17
109) TP	1,2,4-Trichlorobenzene	0.645	0.681	0.704	0.711	0.725	0.704	0.659		0.717	0.693	4.13
110) TP	Naphthalene	1.450	1.433	1.449	1.500	1.522	1.488	1.415		1.445	1.463	2.49
111) TP	1,2,3-Trichlorobenzene	0.607	0.637	0.633	0.638	0.649	0.637	0.608		0.622	0.629	2.39

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2148653	
Project Name	: TROY BELTING-IRM		Project Number	: 2011-31	
Instrument ID	: VOA117		Calibration Date	: 09/15/21 18:35	
Lab File ID	: V17210915N01		Init. Calib. Date(s)	: 07/26/21	07/27/21
Sample No	: WG1547119-2		Init. Calib. Times	: 22:08	01:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	105	0
Dichlorodifluoromethane	0.063	0.074	-	-17.5	20	119	0
Chloromethane	0.131	0.174	-	-32.8*	20	148	0
Vinyl chloride	0.154	0.16	-	-3.9	20	109	0
Bromomethane	40	34.092	-	14.8	20	91	0
Chloroethane	0.136	0.099*	-	27.2*	20	77	0
Trichlorofluoromethane	0.273	0.218	-	20.1*	20	82	0
Ethyl ether	0.104	0.083	-	20.2*	20	86	0
1,1-Dichloroethene	0.137	0.141	-	-2.9	20	107	0
Carbon disulfide	0.443	0.449	-	-1.4	20	111	0
Freon-113	0.135	0.157	-	-16.3	20	120	-.01
Acrolein	0.012	0.014*	-	-16.7	20	111	0
Methylene chloride	40	41.952	-	-4.9	20	110	0
Acetone	40	47.024	-	-17.6	20	125	0
trans-1,2-Dichloroethene	0.168	0.167	-	0.6	20	105	0
Methyl acetate	0.069	0.09*	-	-30.4*	20	145	-.01
Methyl tert-butyl ether	0.42	0.454	-	-8.1	20	113	0
tert-Butyl alcohol	0.012	0.014*	-	-16.7	20	126	0
Diisopropyl ether	0.484	0.611	-	-26.2*	20	130	0
1,1-Dichloroethane	0.301	0.332	-	-10.3	20	117	0
Halothane	0.124	0.123	-	0.8	20	102	0
Acrylonitrile	40	49.45	-	-23.6*	20	133	0
Ethyl tert-butyl ether	0.468	0.561	-	-19.9	20	124	0
Vinyl acetate	0.261	0.364	-	-39.5*	20	149	0
cis-1,2-Dichloroethene	0.187	0.184	-	1.6	20	103	0
2,2-Dichloropropane	0.262	0.263	-	-0.4	20	106	0
Bromochloromethane	0.079	0.075	-	5.1	20	100	-.01
Cyclohexane	0.261	0.318	-	-21.8*	20	126	0
Chloroform	0.337	0.329	-	2.4	20	106	-.01
Ethyl acetate	0.102	0.133	-	-30.4*	20	136	0
Carbon tetrachloride	0.24	0.237	-	1.3	20	103	0
Tetrahydrofuran	40	54.093	-	-35.2*	20	137	0
Dibromofluoromethane	0.242	0.25	-	-3.3	20	111	-.01
1,1,1-Trichloroethane	0.263	0.261	-	0.8	20	102	0
2-Butanone	40	48.631	-	-21.6*	20	136	0
1,1-Dichloropropene	0.223	0.225	-	-0.9	20	101	0
Benzene	0.673	0.675	-	-0.3	20	106	-.01
tert-Amyl methyl ether	0.4	0.432	-	-8	20	110	0
1,2-Dichloroethane-d4	0.236	0.259	-	-9.7	20	120	0
1,2-Dichloroethane	0.207	0.22	-	-6.3	20	113	0
Methyl cyclohexane	0.274	0.299	-	-9.1	20	111	0
Trichloroethene	0.181	0.176*	-	2.8	20	100	0
Dibromomethane	0.092	0.089	-	3.3	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653		
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31		
Instrument ID	: VOA117	**Calibration Date**	: 09/15/21 18:35		
Lab File ID	: V17210915N01	**Init. Calib. Date(s)**	: 07/26/21	07/27/21	
Sample No	: WG1547119-2	**Init. Calib. Times**	: 22:08	01:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.171	0.184	-	-7.6	20	111	0
2-Chloroethyl vinyl ether	0.084	0.092	-	-9.5	20	108	0
Bromodichloromethane	0.23	0.231	-	-0.4	20	103	0
1,4-Dioxane	0.00133	0.0013*	-	2.3	20	96	-.01
cis-1,3-Dichloropropene	0.257	0.27	-	-5.1	20	104	0
Chlorobenzene-d5	1	1	-	0	20	104	0
Toluene-d8	1.299	1.374	-	-5.8	20	110	0
Toluene	0.594	0.594	-	0	20	104	0
4-Methyl-2-pentanone	40	44.571	-	-11.4	20	119	0
Tetrachloroethene	0.237	0.229	-	3.4	20	95	-.01
trans-1,3-Dichloropropene	0.297	0.33	-	-11.1	20	108	0
Ethyl methacrylate	0.235	0.25	-	-6.4	20	104	0
1,1,2-Trichloroethane	0.144	0.154	-	-6.9	20	106	0
Chlorodibromomethane	0.203	0.211	-	-3.9	20	100	0
1,3-Dichloropropane	0.301	0.318	-	-5.6	20	106	-.01
1,2-Dibromoethane	0.162	0.171	-	-5.6	20	102	0
2-Hexanone	0.088	0.112	-	-27.3*	20	125	0
Chlorobenzene	0.647	0.637	-	1.5	20	100	0
Ethylbenzene	1.136	1.133	-	0.3	20	102	-.01
1,1,1,2-Tetrachloroethane	0.22	0.226	-	-2.7	20	100	-.01
p/m Xylene	0.429	0.425	-	0.9	20	100	0
o Xylene	0.41	0.402	-	2	20	99	0
Styrene	0.684	0.673	-	1.6	20	98	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	99	0
Bromoform	0.238	0.24	-	-0.8	20	100	0
Isopropylbenzene	2.205	2.282	-	-3.5	20	98	0
4-Bromofluorobenzene	0.907	1.01	-	-11.4	20	108	0
Bromobenzene	0.518	0.491	-	5.2	20	91	0
n-Propylbenzene	2.685	2.738	-	-2	20	97	0
1,4-Dichlorobutane	0.622	0.762	-	-22.5*	20	118	0
1,1,2,2-Tetrachloroethane	0.389	0.45	-	-15.7	20	108	0
4-Ethyltoluene	2.198	2.225	-	-1.2	20	97	0
2-Chlorotoluene	1.547	1.627	-	-5.2	20	101	0
1,3,5-Trimethylbenzene	1.865	1.909	-	-2.4	20	98	0
1,2,3-Trichloropropane	0.319	0.353	-	-10.7	20	106	0
trans-1,4-Dichloro-2-buten	0.12	0.146	-	-21.7*	20	112	0
4-Chlorotoluene	1.601	1.685	-	-5.2	20	101	0
tert-Butylbenzene	1.6	1.601	-	-0.1	20	95	0
1,2,4-Trimethylbenzene	1.863	1.913	-	-2.7	20	99	0
sec-Butylbenzene	2.458	2.466	-	-0.3	20	96	0
p-Isopropyltoluene	2.072	2.075	-	-0.1	20	96	0
1,3-Dichlorobenzene	1.06	1.028	-	3	20	94	0
1,4-Dichlorobenzene	1.052	1.031	-	2	20	96	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653		
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31		
Instrument ID	: VOA117	**Calibration Date**	: 09/15/21 18:35		
Lab File ID	: V17210915N01	**Init. Calib. Date(s)**	: 07/26/21	07/27/21	
Sample No	: WG1547119-2	**Init. Calib. Times**	: 22:08	01:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.248	1.247	-	0.1	20	95	0
n-Butylbenzene	1.931	1.973	-	-2.2	20	97	0
1,2-Dichlorobenzene	0.956	0.929	-	2.8	20	94	0
1,2,4,5-Tetramethylbenzene	1.997	2	-	-0.2	20	96	0
1,2-Dibromo-3-chloropropan	0.063	0.061	-	3.2	20	92	0
1,3,5-Trichlorobenzene	0.756	0.763	-	-0.9	20	98	0
Hexachlorobutadiene	0.364	0.369	-	-1.4	20	96	0
1,2,4-Trichlorobenzene	0.693	0.688	-	0.7	20	96	0
Naphthalene	1.463	1.469	-	-0.4	20	97	0
1,2,3-Trichlorobenzene	0.629	0.623	-	1	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2148653	
Project Name	: TROY BELTING-IRM		Project Number	: 2011-31	
Instrument ID	: VOA117		Calibration Date	: 09/16/21 10:14	
Lab File ID	: V17210916A01		Init. Calib. Date(s)	: 07/26/21	07/27/21
Sample No	: WG1547119-7		Init. Calib. Times	: 22:08	01:36
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	94	-.01
Dichlorodifluoromethane	0.063	0.084	-	-33.3*	20	121	0
Chloromethane	0.131	0.205	-	-56.5*	20	156	-.01
Vinyl chloride	0.154	0.18	-	-16.9	20	110	0
Bromomethane	40	37.121	-	7.2	20	88	0
Chloroethane	0.136	0.108	-	20.6*	20	76	0
Trichlorofluoromethane	0.273	0.248	-	9.2	20	83	0
Ethyl ether	0.104	0.08	-	23.1*	20	74	0
1,1-Dichloroethene	0.137	0.166	-	-21.2*	20	113	0
Carbon disulfide	0.443	0.525	-	-18.5	20	116	0
Freon-113	0.135	0.183	-	-35.6*	20	125	0
Acrolein	0.012	0.013*	-	-8.3	20	96	0
Methylene chloride	40	44.72	-	-11.8	20	104	0
Acetone	40	45.732	-	-14.3	20	109	0
trans-1,2-Dichloroethene	0.168	0.189	-	-12.5	20	106	0
Methyl acetate	0.069	0.084*	-	-21.7*	20	121	-.01
Methyl tert-butyl ether	0.42	0.438	-	-4.3	20	98	0
tert-Butyl alcohol	0.012	0.013*	-	-8.3	20	98	-.01
Diisopropyl ether	0.484	0.64	-	-32.2*	20	122	0
1,1-Dichloroethane	0.301	0.369	-	-22.6*	20	116	0
Halothane	0.124	0.141	-	-13.7	20	104	0
Acrylonitrile	40	47.054	-	-17.6	20	113	0
Ethyl tert-butyl ether	0.468	0.563	-	-20.3*	20	111	0
Vinyl acetate	0.261	0.354	-	-35.6*	20	129	-.01
cis-1,2-Dichloroethene	0.187	0.204	-	-9.1	20	102	0
2,2-Dichloropropane	0.262	0.298	-	-13.7	20	107	0
Bromochloromethane	0.079	0.08	-	-1.3	20	95	-.01
Cyclohexane	0.261	0.366	-	-40.2*	20	130	0
Chloroform	0.337	0.344	-	-2.1	20	99	-.01
Ethyl acetate	0.102	0.124	-	-21.6*	20	114	-.01
Carbon tetrachloride	0.24	0.271	-	-12.9	20	105	0
Tetrahydrofuran	40	48.315	-	-20.8*	20	110	-.01
Dibromofluoromethane	0.242	0.249	-	-2.9	20	98	-.01
1,1,1-Trichloroethane	0.263	0.296	-	-12.5	20	103	0
2-Butanone	40	46.171	-	-15.4	20	115	-.01
1,1-Dichloropropene	0.223	0.252	-	-13	20	102	0
Benzene	0.673	0.74	-	-10	20	104	-.01
tert-Amyl methyl ether	0.4	0.42	-	-5	20	96	0
1,2-Dichloroethane-d4	0.236	0.253	-	-7.2	20	105	0
1,2-Dichloroethane	0.207	0.226	-	-9.2	20	103	0
Methyl cyclohexane	0.274	0.333	-	-21.5*	20	111	0
Trichloroethene	0.181	0.199*	-	-9.9	20	101	-.01
Dibromomethane	0.092	0.09	-	2.2	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2148653		
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31		
Instrument ID	: VOA117	Calibration Date	: 09/16/21 10:14		
Lab File ID	: V17210916A01	Init. Calib. Date(s)	: 07/26/21	07/27/21	
Sample No	: WG1547119-7	Init. Calib. Times	: 22:08	01:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.171	0.196	-	-14.6	20	106	0
2-Chloroethyl vinyl ether	0.084	0.085	-	-1.2	20	90	-.01
Bromodichloromethane	0.23	0.245	-	-6.5	20	97	-.01
1,4-Dioxane	0.00133	0.00124*	-	6.8	20	82	-.01
cis-1,3-Dichloropropene	0.257	0.284	-	-10.5	20	98	-.01
Chlorobenzene-d5	1	1	-	0	20	93	-.01
Toluene-d8	1.299	1.367	-	-5.2	20	98	0
Toluene	0.594	0.647	-	-8.9	20	101	0
4-Methyl-2-pentanone	40	39.469	-	1.3	20	94	0
Tetrachloroethene	0.237	0.265	-	-11.8	20	98	-.01
trans-1,3-Dichloropropene	0.297	0.332	-	-11.8	20	97	0
Ethyl methacrylate	0.235	0.233	-	0.9	20	87	0
1,1,2-Trichloroethane	0.144	0.156	-	-8.3	20	96	0
Chlorodibromomethane	0.203	0.22	-	-8.4	20	93	0
1,3-Dichloropropane	0.301	0.322	-	-7	20	96	-.01
1,2-Dibromoethane	0.162	0.169	-	-4.3	20	90	0
2-Hexanone	0.088	0.098*	-	-11.4	20	98	0
Chlorobenzene	0.647	0.694	-	-7.3	20	97	-.01
Ethylbenzene	1.136	1.254	-	-10.4	20	101	-.01
1,1,1,2-Tetrachloroethane	0.22	0.239	-	-8.6	20	94	-.01
p/m Xylene	0.429	0.464	-	-8.2	20	97	0
o Xylene	0.41	0.432	-	-5.4	20	95	0
Styrene	0.684	0.725	-	-6	20	94	-.01
1,4-Dichlorobenzene-d4	1	1	-	0	20	90	-.01
Bromoform	0.238	0.237	-	0.4	20	89	0
Isopropylbenzene	2.205	2.5	-	-13.4	20	97	0
4-Bromofluorobenzene	0.907	0.99	-	-9.2	20	96	0
Bromobenzene	0.518	0.528	-	-1.9	20	88	-.01
n-Propylbenzene	2.685	3.003	-	-11.8	20	97	0
1,4-Dichlorobutane	0.622	0.746	-	-19.9	20	105	0
1,1,2,2-Tetrachloroethane	0.389	0.428	-	-10	20	93	0
4-Ethyltoluene	2.198	2.418	-	-10	20	96	0
2-Chlorotoluene	1.547	1.741	-	-12.5	20	98	0
1,3,5-Trimethylbenzene	1.865	2.08	-	-11.5	20	97	0
1,2,3-Trichloropropane	0.319	0.336	-	-5.3	20	92	-.01
trans-1,4-Dichloro-2-buten	0.12	0.143	-	-19.2	20	100	0
4-Chlorotoluene	1.601	1.809	-	-13	20	99	0
tert-Butylbenzene	1.6	1.764	-	-10.2	20	95	0
1,2,4-Trimethylbenzene	1.863	2.062	-	-10.7	20	97	-.01
sec-Butylbenzene	2.458	2.76	-	-12.3	20	97	0
p-Isopropyltoluene	2.072	2.332	-	-12.5	20	98	0
1,3-Dichlorobenzene	1.06	1.106	-	-4.3	20	92	0
1,4-Dichlorobenzene	1.052	1.107	-	-5.2	20	94	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148653		
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31		
Instrument ID	: VOA117	**Calibration Date**	: 09/16/21 10:14		
Lab File ID	: V17210916A01	**Init. Calib. Date(s)**	: 07/26/21	07/27/21	
Sample No	: WG1547119-7	**Init. Calib. Times**	: 22:08	01:36	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.248	1.396	-	-11.9	20	97	0
n-Butylbenzene	1.931	2.231	-	-15.5	20	100	0
1,2-Dichlorobenzene	0.956	0.989	-	-3.5	20	91	0
1,2,4,5-Tetramethylbenzene	1.997	2.159	-	-8.1	20	94	0
1,2-Dibromo-3-chloropropan	0.063	0.058	-	7.9	20	79	0
1,3,5-Trichlorobenzene	0.756	0.871	-	-15.2	20	101	0
Hexachlorobutadiene	0.364	0.42	-	-15.4	20	99	0
1,2,4-Trichlorobenzene	0.693	0.744	-	-7.4	20	94	0
Naphthalene	1.463	1.404	-	4	20	84	0
1,2,3-Trichlorobenzene	0.629	0.652	-	-3.7	20	92	0

* Value outside of QC limits.

SVOC Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The sample was extracted and analyzed within USEPA holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable target compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable target compounds were above the method minimums and the %Ds were below the method maximum, as required.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil sample.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1545443-2/3.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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Pesticide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8081B Pesticide Data
for Alpha Analytical Labs
SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The sample was extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil sample.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximum and percent recoveries were within QC limits for soil samples WG1545503-2/3.

Initial Calibration: The %RSDs were below the allowable maximum (20%) or the correlation coefficients were above the allowable minimum (0.995) for applicable pesticides on both columns, as required.

Continuing Calibration: The %Ds and average %Ds for target pesticides were below the allowable maximum (20%) for both columns, as required.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within quantitation limits. The analysis of soil sample reported target single component pesticides as not detected.

Pesticide Identification Summary for Multi-Component Analytes: The analysis of soil sample reported target multi-component pesticides as not detected.

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PCB Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8082A PCB Data
for Alpha Analytical Labs
SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The sample was extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil sample.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for soil samples WG1545360-2/3.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for aroclor 1016 and aroclor-1260 were below the allowable maximum (20%) for both columns, as required.

PCB Identification Summary: Checked surrogate results were within quantitation limits. The analysis of the soil sample reported target aroclors as not detected.

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Herbicide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8151 Herbicide Data
for Alpha Analytical Labs
SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The sample was extracted and analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil sample.

Laboratory Control Sample: The relative percent difference for 2,4,5-TP was below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1546095-2/3.

Initial Calibration: The %RSDs for 2,4,5-TP were below the allowable maximum (20%) for both columns, as required.

Continuing Calibration: The %Ds for 2,4,5-TP were below the allowable maximum (15%) for both columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. The analysis of the soil sample reported 2,4,5-TP as not detected.

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Metals Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Metals Data
for Alpha Analytical Labs
SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The sample was analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses of initial and continuing calibration and method blanks reported target metals as either not detected or below the reporting limits, as required.

Spike Sample Recovery: The percent recovery (%R) for mercury was above control limits (75-125%) for soil batch spike sample L2148972-01. Positive results for mercury should be considered estimated, biased high (J+) in associated soil samples.

The %Rs for lead, manganese, and nickel were below control limits (75-125%) and below 10% for soil batch spike sample L2148972-01. Positive results for lead, manganese, and nickel should be considered estimated, biased low (J-) and "not detected" results rejected, unusable (R) in associated soil samples.

Laboratory Duplicates: The relative percent differences for chromium and zinc were above the allowable maximum (35%) for soil batch duplicate sample WG1545649-4. Positive results for chromium and zinc should be considered estimated (J) in associated soil samples.

Laboratory Control Sample: The percent recoveries for target metals were within control limits for soil samples WG1545649-2 and WG1545651-2.

Percent Solids: The percent solids for soil sample was above 50%.

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Form 5a
Matrix Spike

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: L2148972-01		
Matrix Spike	: WG1545649-3	MS Analysis Date	: 09/15/21 09:17
Matrix Spike Dup	:	MSD Analysis Date	:

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Arsenic, Total	4.42	12.8	14.0	75						75-125	20
Barium, Total	52.8	212	231	84						75-125	20
Beryllium, Total	0.227J	5.31	5.09	96						75-125	20
Cadmium, Total	1.19	5.63	5.46	76						75-125	20
Chromium, Total	1610	21.2	512	0	NA					75-125	20
Copper, Total	841	26.6	205	0	NA					75-125	20
Lead, Total	145	56.3	112	0	Q					75-125	20
Manganese, Total	143	53.1	114	0	Q					75-125	20
Nickel, Total	66.1	53.1	67.1	2	Q					75-125	20
Selenium, Total	ND	12.8	10.3	81						75-125	20
Silver, Total	0.382J	31.9	30.6	96						75-125	20
Zinc, Total	358	53.1	154	0	NA					75-125	20

NA - The sample concentration was greater than 4X the spike level; therefore, the %R is not applicable.

Form 6
Lab Duplicates

Client	: Sterling Environmental Engineering		Lab Number	:	L2148653
Project Name	: TROY BELTING-IRM		Project Number	:	2011-31
Client Sample ID	: NA		Matrix	:	SOIL
Lab Sample ID	: NA		Analysis Date	:	09/15/21 09:13
Dup Sample ID	: WG1545649-4		DUP Analysis Date	:	09/15/21 09:21

Parameter	Sample Concentration (mg/kg)	Duplicate Concentration (mg/kg)	RPD	RPD Limit
Arsenic, Total	4.42	4.46	1	20
Barium, Total	52.8	60.4	13	20
Beryllium, Total	0.227J	0.253J	NC	20
Cadmium, Total	1.19	1.62	31 Q	35
Chromium, Total	1610	740	74 Q	20
Copper, Total	841	959	13	20
Lead, Total	145	185	24 Q	35
Manganese, Total	143	200	33 Q	35
Nickel, Total	66.1	66.4	0	20
Selenium, Total	ND	0.344J	NC	20
Silver, Total	0.382J	0.527J	NC	20
Zinc, Total	358	694	64 Q	20

Form 5a
Matrix Spike

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: L2148972-01		
Matrix Spike	: WG1545651-3	MS Analysis Date	: 09/14/21 10:22
Matrix Spike Dup	:	MSD Analysis Date	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	0.083J	0.184	0.705	383 Q					80-120	20

Cyanide Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Cyanide
Data for Alpha Analytical Labs
SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The sample was analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for total cyanide were within QC limits (75-125%) for soil batch MS/MSD samples L2147743-07.

Laboratory Duplicates: The relative percent difference for total cyanide was below the allowable maximum (35%) for soil batch MS/MSD sample L2147443-07, as required.

Laboratory Control Sample: The relative percent difference for total cyanide was below the allowable maximum, but 2 of 2 percent recoveries were below QC limits (80-120%), but not below 10% for soil samples WG1546796-2/3. Positive results for total cyanide should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated solid samples.

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Form 7
Laboratory Control Sample

Client	: Sterling Environmental Engineering	Lab Number	: L2148653
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: WG1546796-2	LCS Analysis Date	: 09/16/21 11:28
Dup Sample ID	: WG1546796-3	LCSD Analysis Date	: 09/16/21 11:29

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R		RPD	Recovery Limits	RPD Limit
Cyanide, Total	124.	71.0	57.	124.	98	79.	Q	29	80-120	35

General Chemistry
Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Hexavalent Chromium (Cr6+)
Data for Alpha Analytical Labs
SDG Number: L2148653

1 Soil Sample
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The sample was analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported Cr6+ as not detected.

Spike Sample Recovery: The percent recoveries for Cr6+ were within QC limits (75-125%) for soil batch spike sample WG1546586-5 and soil spike sample IRM-SW-NE-5.5'-2021-09-09.

Laboratory Duplicates: The analysis of soil duplicate sample IRM-SW-NE-5.5'-2021-09-09 was acceptable.

Laboratory Control Sample: The percent recoveries for Cr6+ were within QC limits (80-120%) for soil samples WG1546586-2/3.

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Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2148923

3 Soil Samples
Collected September 9, 2021

Prepared by: Donald Anné
October 18, 2021

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile, semi-volatile, herbicides, PCB, pesticides, TAL metal, hexavalent chromium, and total cyanide analyses for 3 soil samples.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The volatile result for trichloroethene in sample IRM-SW-SC-6.5-2021-09-10 was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for trichloroethene marked "E" in the sample was qualified as estimated (J).

- The positive volatile results for vinyl chloride were qualified as "estimated" (J) for samples IRM-SW-SE-6-2021-09-10 and IRM-SW-E-5.5-2021-09-10 because %D for vinyl chloride was above the allowable maximum in the associated continuing calibration.

- The positive metal results for barium were qualified as estimated, biased high (J+) in all 3 soil samples because the percent recovery for barium was above control limits in the associated soil spike sample.

- The positive metal results for arsenic and lead were qualified as estimated, biased low (J-) in all 3 soil samples because the percent recoveries for arsenic and lead were below control limits, but not below 10% in the associated soil spike sample.

- The positive metal results for mercury were qualified as estimated, biased low (J-) in all 3 soil samples because 2 of 2 percent recoveries for mercury were below control limits and below 10% in the associated soil batch MS/MSD sample.

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- The positive metal results for manganese were qualified as estimated (J) in all 3 soil samples because %D for manganese was above the allowable maximum in the associated soil serial dilution sample and the sample results were above the RL.

All data are considered usable with estimated (J, J-, or J+) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Qualified Data Section

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-01D	**Date Collected**	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/16/21 11:34
Sample Matrix	: SOIL	**Dilution Factor**	: 100
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V00210916A17	**Instrument ID**	: VOA100
Sample Amount	: 15.4 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 91
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
79-01-6	Trichloroethene	220000	1200	320	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-01D2	Date Collected	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/17/21 02:43
Sample Matrix	: SOIL	Dilution Factor	: 20
Analytical Method	: 1,8260C	Analyst	: MKS
Lab File ID	: V00210916N24	Instrument ID	: VOA100
Sample Amount	: 15.4 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: 91
Extract Volume (MeOH)	: 5 ml	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2300	1000	U
75-34-3	1,1-Dichloroethane	ND	460	67.	U
67-66-3	Chloroform	ND	690	64.	U
56-23-5	Carbon tetrachloride	ND	460	100	U
127-18-4	Tetrachloroethene	17000	230	90.	
108-90-7	Chlorobenzene	ND	230	58.	U
107-06-2	1,2-Dichloroethane	ND	460	120	U
71-55-6	1,1,1-Trichloroethane	3200	230	77.	
71-43-2	Benzene	ND	230	76.	U
108-88-3	Toluene	350	460	250	J
100-41-4	Ethylbenzene	240	460	65.	J
75-01-4	Vinyl chloride	ND	460	150	U
75-35-4	1,1-Dichloroethene	ND	460	110	U
156-60-5	trans-1,2-Dichloroethene	ND	690	63.	U
79-01-6	Trichloroethene	220000	230	63.	E J
95-50-1	1,2-Dichlorobenzene	ND	920	66.	U
541-73-1	1,3-Dichlorobenzene	ND	920	68.	U
106-46-7	1,4-Dichlorobenzene	ND	920	79.	U
1634-04-4	Methyl tert butyl ether	ND	920	93.	U
179601-23-1	p/m-Xylene	540	920	260	J
95-47-6	o-Xylene	340	460	130	J
156-59-2	cis-1,2-Dichloroethene	4800	460	81.	
67-64-1	Acetone	ND	4600	2200	U
78-93-3	2-Butanone	ND	4600	1000	U
104-51-8	n-Butylbenzene	780	460	77.	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-01D2	**Date Collected**	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 02:43
Sample Matrix	: SOIL	**Dilution Factor**	: 20
Analytical Method	: 1,8260C	**Analyst**	: MKS
Lab File ID	: V00210916N24	**Instrument ID**	: VOA100
Sample Amount	: 15.4 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 91
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	490	460	67.	
98-06-6	tert-Butylbenzene	ND	920	54.	U
103-65-1	n-Propylbenzene	460	460	79.	
108-67-8	1,3,5-Trimethylbenzene	1000	920	89.	
95-63-6	1,2,4-Trimethylbenzene	2900	920	150	
123-91-1	1,4-Dioxane	ND	37000	16000	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-02	Date Collected	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/21 12:02
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V00210916A18	Instrument ID	: VOA100
Sample Amount	: 13.1 g	GC Column	: RTX-VMS
Level	: HIGH	%Solids	: 90
Extract Volume (MeOH)	: 5 ml	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	140	62.	U
75-34-3	1,1-Dichloroethane	19	27	3.9	J
67-66-3	Chloroform	ND	40	3.8	U
56-23-5	Carbon tetrachloride	ND	27	6.2	U
127-18-4	Tetrachloroethene	1000	14	5.3	
108-90-7	Chlorobenzene	ND	14	3.4	U
107-06-2	1,2-Dichloroethane	ND	27	6.9	U
71-55-6	1,1,1-Trichloroethane	59	14	4.5	
71-43-2	Benzene	ND	14	4.5	U
108-88-3	Toluene	55	27	15.	
100-41-4	Ethylbenzene	24	27	3.8	J
75-01-4	Vinyl chloride	86	27	9.0	J
75-35-4	1,1-Dichloroethene	ND	27	6.4	U
156-60-5	trans-1,2-Dichloroethene	33	40	3.7	J
79-01-6	Trichloroethene	6000	14	3.7	
95-50-1	1,2-Dichlorobenzene	ND	54	3.9	U
541-73-1	1,3-Dichlorobenzene	ND	54	4.0	U
106-46-7	1,4-Dichlorobenzene	ND	54	4.6	U
1634-04-4	Methyl tert butyl ether	ND	54	5.4	U
179601-23-1	p/m-Xylene	42	54	15.	J
95-47-6	o-Xylene	75	27	7.9	
156-59-2	cis-1,2-Dichloroethene	2600	27	4.7	
67-64-1	Acetone	ND	270	130	U
78-93-3	2-Butanone	ND	270	60.	U
104-51-8	n-Butylbenzene	60	27	4.5	

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-02	**Date Collected**	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/16/21 12:02
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V00210916A18	**Instrument ID**	: VOA100
Sample Amount	: 13.1 g	**GC Column**	: RTX-VMS
Level	: HIGH	**%Solids**	: 90
Extract Volume (MeOH)	: 5 ml	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	28	27	3.9	
98-06-6	tert-Butylbenzene	ND	54	3.2	U
103-65-1	n-Propylbenzene	24	27	4.6	J
108-67-8	1,3,5-Trimethylbenzene	30	54	5.2	J
95-63-6	1,2,4-Trimethylbenzene	130	54	9.0	
123-91-1	1,4-Dioxane	ND	2200	950	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-03	Date Collected	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/21 12:28
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,8260C	Analyst	: AJK
Lab File ID	: V00210916A19	Instrument ID	: VOA100
Sample Amount	: 13.6 g	GC Column	: RTX-VMS
Level	: LOW	%Solids	: 81
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.3	1.0	U
75-34-3	1,1-Dichloroethane	3.3	0.45	0.07	
67-66-3	Chloroform	ND	0.68	0.06	U
56-23-5	Carbon tetrachloride	ND	0.45	0.10	U
127-18-4	Tetrachloroethene	ND	0.23	0.09	U
108-90-7	Chlorobenzene	ND	0.23	0.06	U
107-06-2	1,2-Dichloroethane	ND	0.45	0.12	U
71-55-6	1,1,1-Trichloroethane	0.24	0.23	0.08	
71-43-2	Benzene	ND	0.23	0.08	U
108-88-3	Toluene	ND	0.45	0.24	U
100-41-4	Ethylbenzene	ND	0.45	0.06	U
75-01-4	Vinyl chloride	16	0.45	0.15	J
75-35-4	1,1-Dichloroethene	ND	0.45	0.11	U
156-60-5	trans-1,2-Dichloroethene	0.46	0.68	0.06	J
79-01-6	Trichloroethene	6.3	0.23	0.06	
95-50-1	1,2-Dichlorobenzene	ND	0.90	0.07	U
541-73-1	1,3-Dichlorobenzene	ND	0.90	0.07	U
106-46-7	1,4-Dichlorobenzene	ND	0.90	0.08	U
1634-04-4	Methyl tert butyl ether	ND	0.90	0.09	U
179601-23-1	p/m-Xylene	ND	0.90	0.25	U
95-47-6	o-Xylene	ND	0.45	0.13	U
156-59-2	cis-1,2-Dichloroethene	43	0.45	0.08	
67-64-1	Acetone	28	4.5	2.2	
78-93-3	2-Butanone	3.7	4.5	1.0	J
104-51-8	n-Butylbenzene	ND	0.45	0.08	U

Results Summary
Form 1
Volatile Organics by EPA 5035

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-03	**Date Collected**	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/16/21 12:28
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,8260C	**Analyst**	: AJK
Lab File ID	: V00210916A19	**Instrument ID**	: VOA100
Sample Amount	: 13.6 g	**GC Column**	: RTX-VMS
Level	: LOW	**%Solids**	: 81
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
135-98-8	sec-Butylbenzene	ND	0.45	0.07	U
98-06-6	tert-Butylbenzene	ND	0.90	0.05	U
103-65-1	n-Propylbenzene	ND	0.45	0.08	U
108-67-8	1,3,5-Trimethylbenzene	ND	0.90	0.09	U
95-63-6	1,2,4-Trimethylbenzene	ND	0.90	0.15	U
123-91-1	1,4-Dioxane	ND	36	16.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-01	Date Collected	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 17:34
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 48923-01	Analyst	: JG
Sample Amount	: 30.58 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	140	19.	U
118-74-1	Hexachlorobenzene	ND	110	20.	U
206-44-0	Fluoranthene	ND	110	21.	U
91-20-3	Naphthalene	73	180	22.	J
56-55-3	Benzo(a)anthracene	ND	110	20.	U
50-32-8	Benzo(a)pyrene	ND	140	44.	U
205-99-2	Benzo(b)fluoranthene	ND	110	30.	U
207-08-9	Benzo(k)fluoranthene	ND	110	29.	U
218-01-9	Chrysene	ND	110	19.	U
208-96-8	Acenaphthylene	ND	140	28.	U
120-12-7	Anthracene	ND	110	35.	U
191-24-2	Benzo(ghi)perylene	ND	140	21.	U
86-73-7	Fluorene	ND	180	18.	U
85-01-8	Phenanthrene	ND	110	22.	U
53-70-3	Dibenzo(a,h)anthracene	ND	110	21.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	140	25.	U
129-00-0	Pyrene	ND	110	18.	U
132-64-9	Dibenzofuran	ND	180	17.	U
87-86-5	Pentachlorophenol	ND	140	40.	U
108-95-2	Phenol	ND	180	27.	U
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	28.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-02	Date Collected	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 17:55
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 48923-02	Analyst	: JG
Sample Amount	: 30.28 g	Instrument ID	: GCMS5
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	80	150	19.	J
118-74-1	Hexachlorobenzene	ND	110	21.	U
206-44-0	Fluoranthene	1500	110	21.	
91-20-3	Naphthalene	ND	180	22.	U
56-55-3	Benzo(a)anthracene	740	110	21.	
50-32-8	Benzo(a)pyrene	590	150	45.	
205-99-2	Benzo(b)fluoranthene	820	110	31.	
207-08-9	Benzo(k)fluoranthene	300	110	29.	
218-01-9	Chrysene	680	110	19.	
208-96-8	Acenaphthylene	ND	150	28.	U
120-12-7	Anthracene	230	110	36.	
191-24-2	Benzo(ghi)perylene	350	150	22.	
86-73-7	Fluorene	92	180	18.	J
85-01-8	Phenanthrene	1000	110	22.	
53-70-3	Dibenzo(a,h)anthracene	86	110	21.	J
193-39-5	Indeno(1,2,3-cd)pyrene	380	150	26.	
129-00-0	Pyrene	1200	110	18.	
132-64-9	Dibenzofuran	35	180	17.	J
87-86-5	Pentachlorophenol	ND	150	40.	U
108-95-2	Phenol	ND	180	28.	U
95-48-7	2-Methylphenol	ND	180	28.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	260	29.	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-03	Date Collected	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 22:20
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8270D	Dilution Factor	: 1
Lab File ID	: 48923-03	Analyst	: JG
Sample Amount	: 30.49 g	Instrument ID	: SV109
Extraction Method	: EPA 3546	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: 81
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	160	21.	U
118-74-1	Hexachlorobenzene	ND	120	22.	U
206-44-0	Fluoranthene	ND	120	23.	U
91-20-3	Naphthalene	ND	200	24.	U
56-55-3	Benzo(a)anthracene	ND	120	23.	U
50-32-8	Benzo(a)pyrene	ND	160	49.	U
205-99-2	Benzo(b)fluoranthene	ND	120	34.	U
207-08-9	Benzo(k)fluoranthene	ND	120	32.	U
218-01-9	Chrysene	ND	120	21.	U
208-96-8	Acenaphthylene	ND	160	31.	U
120-12-7	Anthracene	ND	120	39.	U
191-24-2	Benzo(ghi)perylene	ND	160	24.	U
86-73-7	Fluorene	ND	200	20.	U
85-01-8	Phenanthrene	ND	120	24.	U
53-70-3	Dibenzo(a,h)anthracene	ND	120	23.	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	160	28.	U
129-00-0	Pyrene	ND	120	20.	U
132-64-9	Dibenzofuran	ND	200	19.	U
87-86-5	Pentachlorophenol	ND	160	44.	U
108-95-2	Phenol	ND	200	30.	U
95-48-7	2-Methylphenol	ND	200	31.	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	290	32.	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-01	**Date Collected**	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 09:28
Sample Matrix	: SOIL	**Date Extracted**	: 09/15/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210917a-07	**Analyst**	: AR
Sample Amount	: 30.79 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 91
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	179	4.76	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-02	**Date Collected**	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 09:47
Sample Matrix	: SOIL	**Date Extracted**	: 09/15/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210917a-08	**Analyst**	: AR
Sample Amount	: 30.72 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 90
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	182	4.83	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-03	**Date Collected**	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 10:05
Sample Matrix	: SOIL	**Date Extracted**	: 09/15/21
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22210917a-09	**Analyst**	: AR
Sample Amount	: 30.65 g	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: 81
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
93-72-1	2,4,5-TP (Silvex)	ND	200	5.33	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-01	Date Collected	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 10:27
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-10	Analyst	: CW
Sample Amount	: 15.64 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	35.2	3.13	U
11104-28-2	Aroclor 1221	ND	35.2	3.53	U
11141-16-5	Aroclor 1232	ND	35.2	7.47	U
53469-21-9	Aroclor 1242	ND	35.2	4.75	U
12672-29-6	Aroclor 1248	ND	35.2	5.29	U
11096-82-5	Aroclor 1260	ND	35.2	6.51	U
37324-23-5	Aroclor 1262	ND	35.2	4.48	U
11100-14-4	Aroclor 1268	ND	35.2	3.65	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-01	Date Collected	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 10:27
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-10	Analyst	: CW
Sample Amount	: 15.64 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-PesticideII
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
11097-69-1	Aroclor 1254	42.4	35.2	3.86	
1336-36-3	PCBs, Total	42.4	35.2	3.13	

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-02	Date Collected	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 10:42
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-12	Analyst	: CW
Sample Amount	: 15.32 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	36.4	3.23	U
11104-28-2	Aroclor 1221	ND	36.4	3.65	U
11141-16-5	Aroclor 1232	ND	36.4	7.72	U
53469-21-9	Aroclor 1242	ND	36.4	4.91	U
12672-29-6	Aroclor 1248	ND	36.4	5.46	U
11097-69-1	Aroclor 1254	15.4	36.4	3.98	J
11096-82-5	Aroclor 1260	ND	36.4	6.73	U
37324-23-5	Aroclor 1262	ND	36.4	4.63	U
11100-14-4	Aroclor 1268	ND	36.4	3.77	U
1336-36-3	PCBs, Total	15.4	36.4	3.23	J

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-03	Date Collected	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/13/21 10:34
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8082A	Dilution Factor	: 1
Lab File ID	: 19210913a-11	Analyst	: CW
Sample Amount	: 15.22 g	Instrument ID	: PEST19
Extraction Method	: EPA 3546	GC Column	: CLP-Pesticide
Extract Volume	: 1000 uL	%Solids	: 81
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: Y		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
12674-11-2	Aroclor 1016	ND	40.4	3.58	U
11104-28-2	Aroclor 1221	ND	40.4	4.04	U
11141-16-5	Aroclor 1232	ND	40.4	8.56	U
53469-21-9	Aroclor 1242	ND	40.4	5.44	U
12672-29-6	Aroclor 1248	ND	40.4	6.05	U
11097-69-1	Aroclor 1254	ND	40.4	4.42	U
11096-82-5	Aroclor 1260	ND	40.4	7.46	U
37324-23-5	Aroclor 1262	ND	40.4	5.12	U
11100-14-4	Aroclor 1268	ND	40.4	4.18	U
1336-36-3	PCBs, Total	ND	40.4	3.58	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-01	Date Collected	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 18:46
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20210915a-36	Analyst	: JAW
Sample Amount	: 15.85 g	Instrument ID	: PEST20
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 91
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.67	0.327	U
58-89-9	Lindane	ND	0.696	0.311	U
319-84-6	Alpha-BHC	ND	0.696	0.198	U
319-85-7	Beta-BHC	ND	1.67	0.633	U
76-44-8	Heptachlor	ND	0.835	0.374	U
309-00-2	Aldrin	ND	1.67	0.588	U
72-20-8	Endrin	ND	0.696	0.285	U
60-57-1	Dieldrin	ND	1.04	0.522	U
72-55-9	4,4'-DDE	ND	1.67	0.386	U
72-54-8	4,4'-DDD	ND	1.67	0.595	U
50-29-3	4,4'-DDT	ND	3.13	1.34	U
959-98-8	Endosulfan I	ND	1.67	0.394	U
33213-65-9	Endosulfan II	ND	1.67	0.558	U
1031-07-8	Endosulfan sulfate	ND	0.696	0.331	U
5103-71-9	cis-Chlordane	ND	2.09	0.582	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-02	Date Collected	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 18:58
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20210915a-37	Analyst	: JAW
Sample Amount	: 15.22 g	Instrument ID	: PEST20
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 90
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.76	0.345	U
58-89-9	Lindane	ND	0.733	0.328	U
319-84-6	Alpha-BHC	ND	0.733	0.208	U
319-85-7	Beta-BHC	ND	1.76	0.667	U
76-44-8	Heptachlor	ND	0.880	0.394	U
309-00-2	Aldrin	ND	1.76	0.620	U
72-20-8	Endrin	ND	0.733	0.301	U
60-57-1	Dieldrin	ND	1.10	0.550	U
72-55-9	4,4'-DDE	ND	1.76	0.407	U
72-54-8	4,4'-DDD	ND	1.76	0.628	U
50-29-3	4,4'-DDT	ND	3.30	1.42	U
959-98-8	Endosulfan I	ND	1.76	0.416	U
33213-65-9	Endosulfan II	ND	1.76	0.588	U
1031-07-8	Endosulfan sulfate	ND	0.733	0.349	U
5103-71-9	cis-Chlordane	ND	2.20	0.613	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-03	Date Collected	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/21 19:11
Sample Matrix	: SOIL	Date Extracted	: 09/12/21
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20210915a-38	Analyst	: JAW
Sample Amount	: 15.33 g	Instrument ID	: PEST20
Extraction Method	: EPA 3546	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: 81
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/Kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	1.92	0.377	U
58-89-9	Lindane	ND	0.801	0.358	U
319-84-6	Alpha-BHC	ND	0.801	0.228	U
319-85-7	Beta-BHC	ND	1.92	0.729	U
76-44-8	Heptachlor	ND	0.962	0.431	U
309-00-2	Aldrin	ND	1.92	0.677	U
72-20-8	Endrin	ND	0.801	0.328	U
60-57-1	Dieldrin	ND	1.20	0.601	U
72-55-9	4,4'-DDE	ND	1.92	0.445	U
72-54-8	4,4'-DDD	ND	1.92	0.686	U
50-29-3	4,4'-DDT	ND	3.61	1.55	U
959-98-8	Endosulfan I	ND	1.92	0.454	U
33213-65-9	Endosulfan II	ND	1.92	0.643	U
1031-07-8	Endosulfan sulfate	ND	0.801	0.381	U
5103-71-9	cis-Chlordane	ND	2.40	0.670	U

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-03	Date Collected	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/21 18:32
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: DL
Lab File ID	: WG1547015.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.272g	%Solids	: 81
Digestion Method	: EPA 3050B	Date Digested	: 09/14/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7440-38-2	Arsenic, Total	5.48	0.483	0.100		J-
7440-39-3	Barium, Total	99.7	0.483	0.084		J+
7440-41-7	Beryllium, Total	0.550	0.241	0.016		
7440-43-9	Cadmium, Total	0.174	0.483	0.047	J	
7440-47-3	Chromium, Total	12.7	0.483	0.046		
7440-50-8	Copper, Total	25.0	0.483	0.124		
7439-92-1	Lead, Total	34.4	2.41	0.129		J-
7439-96-5	Manganese, Total	422	0.483	0.077		J
7440-02-0	Nickel, Total	16.5	1.21	0.117		
7782-49-2	Selenium, Total	0.546	0.966	0.124	J	
7440-22-4	Silver, Total	ND	0.483	0.137	U	
7440-66-6	Zinc, Total	68.8	2.41	0.141		

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-02	Date Collected	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/18/21 11:26
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,6010D	Analyst	: MP
Lab File ID	: WG1547940.pdf	Instrument ID	: TRACE6
Sample Amount	: 1.278g	%Solids	: 90
Digestion Method	: EPA 3050B	Date Digested	: 09/16/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7440-38-2	Arsenic, Total	4.50	0.437	0.091		J-
7440-39-3	Barium, Total	164	0.437	0.076		J+
7440-41-7	Beryllium, Total	0.515	0.218	0.014		
7440-43-9	Cadmium, Total	0.057	0.437	0.043	J	
7440-47-3	Chromium, Total	13.6	0.437	0.042		
7440-50-8	Copper, Total	24.7	0.437	0.113		
7439-92-1	Lead, Total	12.2	2.18	0.117		J-
7439-96-5	Manganese, Total	392	0.437	0.069		J
7440-02-0	Nickel, Total	17.9	1.09	0.106		
7782-49-2	Selenium, Total	0.354	0.873	0.113	J	
7440-22-4	Silver, Total	ND	0.437	0.124	U	
7440-66-6	Zinc, Total	55.0	2.18	0.128		

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-01	Date Collected	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/20/21 13:30
Sample Matrix	: SOIL	Dilution Factor	: 5
Analytical Method	: 1,6010D	Analyst	: GD
Lab File ID	: WG1548297.pdf	Instrument ID	: TRACE7
Sample Amount	: 1.283g	%Solids	: 91
Digestion Method	: EPA 3050B	Date Digested	: 09/16/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7440-38-2	Arsenic, Total	9.17	2.15	0.447		J-
7440-39-3	Barium, Total	94.2	2.15	0.374		J+
7440-41-7	Beryllium, Total	0.558	1.07	0.071	J	
7440-43-9	Cadmium, Total	ND	2.15	0.210	U	
7440-47-3	Chromium, Total	18.6	2.15	0.206		
7440-50-8	Copper, Total	44.4	2.15	0.554		
7439-92-1	Lead, Total	24.7	10.7	0.576		J-
7439-96-5	Manganese, Total	759	2.15	0.342		J
7440-02-0	Nickel, Total	27.6	5.37	0.520		
7782-49-2	Selenium, Total	ND	4.30	0.554	U	
7440-22-4	Silver, Total	ND	2.15	0.608	U	
7440-66-6	Zinc, Total	90.7	10.7	0.629		

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-01	Date Collected	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 14:05
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: OU
Lab File ID	: WG1546008.txt	Instrument ID	: NIC3
Sample Amount	: 0.391g	%Solids	: 91
Digestion Method	: EPA 7471B	Date Digested	: 09/14/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7439-97-6	Mercury, Total	0.052	0.071	0.046	J	J-

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-02	Date Collected	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 14:08
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: OU
Lab File ID	: WG1546008.txt	Instrument ID	: NIC3
Sample Amount	: 0.31g	%Solids	: 90
Digestion Method	: EPA 7471B	Date Digested	: 09/14/21

		mg/kg				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7439-97-6	Mercury, Total	0.071	0.090	0.059	J	J-

Form 1
METALS

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Lab ID	: L2148923-03	Date Collected	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	Date Received	: 09/10/21
Sample Location	: COLONIE, NY	Date Analyzed	: 09/14/21 14:11
Sample Matrix	: SOIL	Dilution Factor	: 1
Analytical Method	: 1,7471B	Analyst	: OU
Lab File ID	: WG1546008.txt	Instrument ID	: NIC3
Sample Amount	: 0.319g	%Solids	: 81
Digestion Method	: EPA 7471B	Date Digested	: 09/14/21

		mg/kg			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7439-97-6	Mercury, Total	0.171	0.096	0.063	J-

Form 1
METALS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-01	**Date Collected**	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/20/21 13:30
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 91
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	19	2.2	2.2	

Form 1
METALS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-02	**Date Collected**	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/18/21 11:26
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 90
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	14	0.89	0.89	

Form 1
METALS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-03	**Date Collected**	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 08:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	:
Lab File ID	: --	**Instrument ID**	:
Sample Amount	:	**%Solids**	: 81
Digestion Method	:	**Date Digested**	:

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16065-83-1	Chromium, Trivalent	13	0.98	0.98	

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-01	**Date Collected**	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 12:40
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: CR
Lab File ID	: TCN091721-C	**Instrument ID**	: LACHAT
Sample Amount	: 1.0057g	**%Solids**	: 91
Digestion Method	:	**Date Digested**	: 09/17/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	ND	1.1	0.23	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-02	**Date Collected**	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 12:41
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: CR
Lab File ID	: TCN091721-C	**Instrument ID**	: LACHAT
Sample Amount	: 1.0909g	**%Solids**	: 90
Digestion Method	:	**Date Digested**	: 09/17/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	ND	1.0	0.22	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-03	**Date Collected**	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 12:42
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,9010C/9012B	**Analyst**	: CR
Lab File ID	: TCN091721-C	**Instrument ID**	: LACHAT
Sample Amount	: 1.0796g	**%Solids**	: 81
Digestion Method	:	**Date Digested**	: 09/17/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-12-5	Cyanide, Total	ND	1.1	0.24	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-01	**Date Collected**	: 09/10/21 07:50
Client ID	: IRM-SW-SC-6.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 08:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: JT
Lab File ID	: WG1547440.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.4549g	**%Solids**	: 91
Digestion Method	: EPA 3060A	**Date Digested**	: 09/17/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.882	0.176	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-02	**Date Collected**	: 09/10/21 11:30
Client ID	: IRM-SW-SE-6-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 08:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: JT
Lab File ID	: WG1547440.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.5067g	**%Solids**	: 90
Digestion Method	: EPA 3060A	**Date Digested**	: 09/17/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.893	0.178	U

Form 1
WETCHEM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Lab ID	: L2148923-03	**Date Collected**	: 09/10/21 13:50
Client ID	: IRM-SW-E-5.5-2021-09-10	**Date Received**	: 09/10/21
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/17/21 08:45
Sample Matrix	: SOIL	**Dilution Factor**	: 1
Analytical Method	: 1,7196A	**Analyst**	: JT
Lab File ID	: WG1547440.csv	**Instrument ID**	: GENSYS10VI
Sample Amount	: 2.4859g	**%Solids**	: 81
Digestion Method	: EPA 3060A	**Date Digested**	: 09/17/21

		mg/kg			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
18540-29-9	Chromium, Hexavalent	ND	0.983	0.196	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2148923

3 Soil Samples
Collected September 10, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, 2-butanone, and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 for VOA100 on 07-08-21. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 2-butanone and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 on 09-16-21 (V00210916A01). The RRFs for 2-butanone and 4-methyl-2-pentanone were below the method minimums, but not below 0.010 on 09-16-21 (V00210916N01). The %Ds for vinyl chloride and methylene chloride were above the method maximum on 09-16-21 (V00210916A01). The %Ds for vinyl chloride and methylene chloride were above the method maximum on 09-16-21 (V00210916N01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds), as required.

The %Ds for vinyl chloride and methylene chloride were above the allowable maximum (20%) on 09-16-21 (V00210916A01). The %Ds for vinyl chloride and methylene chloride were above the allowable maximum (20%) on 09-16-21 (V00210916N01). Positive results for these compounds should be considered estimated (J) in associated samples.

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Blanks: The analyses of the method blanks reported target compounds as not detected.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1547006-3/4, WG1547357-3/4, and WG1547545-3/4.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The result for trichloroethene in sample IRM-SW-SC-6.5-2021-09-10 was quantitated by extrapolating data above the highest calibration standard and marked 'E' by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the result that is flagged as 'E' in the undiluted sample should be considered estimated (J). The use of the diluted result for trichloroethene is recommended for sample IRM-SW-SC-6.5-2021-09-10. It is recommended that the undiluted results be used for all other compounds.

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148923**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA100**	**Ical Ref**	**: ICAL18132**
Calibration dates	**: 07/08/21 16:47 07/08/21 21:04**		

Calibration Files

0.5 =V00210708N04.D 1.0 =V00210708N06.D 2.0 =V00210708N08.D 4.0 =V00210708N09.D 20 =V00210708N10.D

40 =V00210708N11.D 100 =V00210708N12.D 200 =V00210708N13.D 300 =V00210708N14.D

		Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------										
2)	TP	Dichlorodifluo		0.234	0.246	0.258	0.254	0.233	0.256	0.262	0.251	0.249	4.34
3)	TP	Chloromethane		0.323	0.327	0.307	0.305	0.272	0.293	0.298	0.294	0.302	5.80
4)	TC	Vinyl chloride		0.269	0.287	0.293	0.295	0.267	0.299	0.306	0.298	0.289	4.91
5)	TP	Bromomethane		0.234	0.241	0.219	0.183	0.163	0.178	0.180	0.180	0.197	14.86
6)	TP	Chloroethane		0.164	0.228	0.171	0.182	0.157	0.169	0.158		0.176	14.09
7)	TP	Trichlorofluor		0.305	0.346	0.356	0.360	0.327	0.355	0.356	0.339	0.343	5.52
8)	TP	Ethyl ether		0.121	0.134	0.135	0.145	0.125	0.143	0.143	0.143	0.136	6.52
10)	TC	1,1-Dichloroet		0.196	0.227	0.227	0.228	0.208	0.230	0.233	0.227	0.222	5.83
11)	TP	Carbon disulfide			1.038	0.909	0.808	0.727	0.793	0.797	0.779	0.836	12.49
12)	TP	Freon-113		0.203	0.221	0.232	0.235	0.213	0.232	0.235	0.225	0.224	5.24
14)	TP	Acrolein				0.021	0.026	0.023	0.027	0.028	0.028	0.026#	11.71
15)	TP	Methylene chlo		0.306	0.290	0.275	0.264	0.236	0.261	0.260	0.259	0.269	8.00
17)	TP	Acetone				0.056	0.050	0.042	0.047	0.048	0.049	*L	0.9985
18)	TP	trans-1,2-Dich		0.228	0.253	0.257	0.265	0.239	0.266	0.266	0.262	0.254	5.50
19)	TP	Methyl acetate				0.102	0.116	0.099	0.122	0.125	0.127	0.115	10.32
20)	TP	Methyl tert butyl ether		0.640	0.672	0.672	0.701	0.613	0.693	0.690	0.689	0.671	4.51
21)	TP	tert-Butyl alc		0.016	0.019	0.019	0.021	0.018	0.021	0.021	0.022	0.020#	9.51
22)	TP	Diisopropyl ether		0.794	0.874	0.871	0.895	0.809	0.897	0.891	0.881	0.864	4.62
23)	TP	1,1-Dichloroet		0.441	0.498	0.492	0.504	0.457	0.505	0.502	0.495	0.487	4.95
24)	TP	Halothane		0.165	0.193	0.193	0.199	0.184	0.203	0.205	0.200	0.193	6.80
25)	TP	Acrylonitrile				0.044	0.064	0.055	0.067	0.068	0.069	*L	0.9980
26)	TP	Ethyl tert-but		0.710	0.790	0.783	0.818	0.733	0.816	0.810	0.804	0.783	5.15
27)	TP	Vinyl acetate			0.457	0.494	0.528	0.472	0.550	0.548	0.541	0.513	7.45
28)	TP	cis-1,2-Dichlo		0.243	0.281	0.278	0.290	0.261	0.290	0.288	0.286	0.277	6.11
29)	TP	2,2-Dichloropr		0.369	0.385	0.404	0.408	0.375	0.407	0.406	0.398	0.394	3.93
31)	TP	Bromochloromet		0.101	0.123	0.118	0.127	0.114	0.128	0.124	0.121	0.120	7.29
32)	TP	Cyclohexane		0.432	0.465	0.465	0.475	0.441	0.479	0.481	0.460	0.462	3.83
33)	TC	Chloroform		0.494	0.489	0.489	0.500	0.450	0.494	0.490	0.484	0.486	3.17
34)	TP	Ethyl acetate				0.160	0.191	0.158	0.189	0.191	0.192	0.180	9.19
35)	TP	Carbon tetrach		0.300	0.345	0.353	0.379	0.349	0.388	0.391	0.377	0.360	8.37
36)	TP	Tetrahydrofuran			0.059	0.062	0.065	0.053	0.060	0.059	0.059	0.059	5.77
37)	S	Dibromofluoromethane	0.250	0.249	0.252	0.251	0.253	0.251	0.253	0.253	0.255	0.252	0.72
38)	TP	1,1,1-Trichloroethane	0.365	0.352	0.388	0.395	0.408	0.373	0.407	0.408	0.399	0.388	5.28
40)	TP	2-Butanone				0.097	0.091	0.074	0.084	0.083	0.084	0.085#	8.96
41)	TP	1,1-Dichloropropene	0.288	0.273	0.325	0.330	0.350	0.319	0.350	0.353	0.342	0.325	8.70

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31
Instrument ID	: VOA100	**Ical Ref**	: ICAL18132
Calibration dates	: 07/08/21 16:47 07/08/21 21:04		

Calibration Files

0.5 =V00210708N04.D 1.0 =V00210708N06.D 2.0 =V00210708N08.D 4.0 =V00210708N09.D 20 =V00210708N10.D

40 =V00210708N11.D 100 =V00210708N12.D 200 =V00210708N13.D 300 =V00210708N14.D

		Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
42)	TP	Benzene	0.998	0.900	1.019	1.030	1.058	0.963	1.056	1.052	1.039	1.013	5.17
43)	TP	Tertiary-Amyl Methyl Ether		0.599	0.652	0.639	0.672	0.598	0.676	0.672	0.672	0.647	5.05
44)	S	1,2-Dichloroethane-d4	0.242	0.248	0.247	0.249	0.242	0.237	0.244	0.245	0.252	0.245	1.84
45)	TP	1,2-Dichloroet		0.290	0.316	0.323	0.332	0.295	0.327	0.323	0.320	0.316	4.84
48)	TP	Methyl cyclohe		0.401	0.443	0.452	0.459	0.423	0.458	0.463	0.445	0.443	4.77
49)	TP	Trichloroethene	0.256	0.237	0.265	0.266	0.275	0.248	0.275	0.273	0.269	0.263	5.01
51)	TP	Dibromomethane		0.104	0.124	0.127	0.140	0.123	0.139	0.138	0.138	0.129	9.56
52)	TC	1,2-Dichloropr		0.226	0.263	0.269	0.282	0.255	0.282	0.281	0.277	0.267	7.17
54)	TP	2-Chloroethyl				0.101	0.124	0.108	0.119	0.122	0.124	0.116	8.09
55)	TP	Bromodichloromethane	0.293	0.295	0.330	0.328	0.355	0.319	0.359	0.361	0.360	0.333	8.18
58)	TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	*L	0.9986
59)	TP	cis-1,3-Dichloropropene	0.296	0.328	0.364	0.379	0.416	0.376	0.427	0.426	0.426	0.382	12.38
60)	I	Chlorobenzene-d5	----------ISTD----------										
61)	S	Toluene-d8	1.313	1.301	1.329	1.334	1.317	1.315	1.322	1.308	1.318	1.317	0.76
62)	TC	Toluene		0.784	0.865	0.874	0.875	0.790	0.864	0.852	0.844	0.844	4.32
63)	TP	4-Methyl-2-pen				0.074	0.095	0.082	0.097	0.097	0.098	0.090#	11.04
64)	TP	Tetrachloroethene	0.317	0.300	0.349	0.364	0.360	0.333	0.365	0.361	0.354	0.345	6.72
66)	TP	trans-1,3-Dich		0.311	0.405	0.413	0.463	0.417	0.472	0.468	0.470	0.427	12.85
68)	TP	Ethyl methacry			0.318	0.344	0.392	0.350	0.403	0.402	0.404	0.373	9.41
69)	TP	1,1,2-Trichlor		0.161	0.198	0.203	0.218	0.193	0.215	0.212	0.213	0.201	9.29
70)	TP	Chlorodibromomethane	0.215	0.238	0.284	0.286	0.315	0.286	0.326	0.326	0.329	0.289	14.04
71)	TP	1,3-Dichloropr		0.342	0.435	0.437	0.456	0.406	0.452	0.445	0.447	0.428	8.90
72)	TP	1,2-Dibromoethane	0.144	0.173	0.218	0.226	0.251	0.222	0.253	0.249	0.251	*L	0.9993
73)	TP	2-Hexanone				0.123	0.154	0.136	0.164	0.164	0.167	0.151	11.77
74)	TP	Chlorobenzene	0.887	0.830	0.917	0.931	0.939	0.855	0.945	0.929	0.917	0.905	4.38
75)	TC	Ethylbenzene		1.489	1.619	1.640	1.639	1.500	1.653	1.629	1.601	1.596	4.06
76)	TP	1,1,1,2-Tetrachloroethane	0.293	0.287	0.323	0.328	0.341	0.312	0.349	0.344	0.341	0.324	7.01
77)	TP	p/m Xylene	0.584	0.556	0.608	0.623	0.628	0.576	0.631	0.612	0.594	0.601	4.27
78)	TP	o Xylene	0.558	0.510	0.585	0.600	0.607	0.554	0.606	0.588	0.571	0.575	5.47
79)	TP	Styrene	0.870	0.851	0.912	0.962	1.021	0.930	1.030	0.994	0.968	0.949	6.68
80)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
81)	TP	Bromoform		0.249	0.289	0.289	0.330	0.300	0.346	0.353	0.355	0.314	12.08
83)	TP	Isopropylbenzene		2.765	2.956	3.005	3.058	2.862	3.085	3.080	2.991	2.975	3.78
84)	S	4-Bromofluorobenzene	0.974	0.977	0.964	0.963	0.971	0.963	0.962	0.975	0.967	0.968	0.62
85)	TP	Bromobenzene		0.542	0.651	0.660	0.675	0.621	0.684	0.684	0.675	0.649	7.42
86)	TP	n-Propylbenzene		3.230	3.470	3.464	3.453	3.264	3.544	3.528	3.425	3.422	3.37

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2148923**
Project Name	**: TROY BELTING-IRM**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA100**	**Ical Ref**	**: ICAL18132**
Calibration dates	**: 07/08/21 16:47 07/08/21 21:04**		

Calibration Files

0.5 =V00210708N04.D 1.0 =V00210708N06.D 2.0 =V00210708N08.D 4.0 =V00210708N09.D 20 =V00210708N10.D
40 =V00210708N11.D 100 =V00210708N12.D 200 =V00210708N13.D 300 =V00210708N14.D

	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
87) TP	1,4-Dichlorobu		0.896	0.965	0.932	0.969	0.856	0.947	0.938	0.929	0.929	4.03
88) TP	1,1,2,2-Tetrachloroethane	0.493	0.509	0.549	0.543	0.575	0.508	0.571	0.568	0.566	0.542	5.80
89) TP	4-Ethyltoluene		2.717	2.876	2.874	2.881	2.710	2.967	2.957	2.883	2.858	3.38
90) TP	2-Chlorotoluene		2.121	2.122	2.121	2.108	1.953	2.172	2.125	2.060	2.098	3.14
91) TP	1,3,5-Trimethy		2.449	2.614	2.562	2.529	2.365	2.569	2.539	2.468	2.512	3.18
92) TP	1,2,3-Trichlor		0.436	0.457	0.440	0.451	0.402	0.437	0.433	0.442	0.437	3.74
93) TP	trans-1,4-Dich			0.138	0.151	0.181	0.158	0.184	0.186	0.187	0.169	11.88
94) TP	4-Chlorotoluene		2.058	2.238	2.185	2.091	1.983	2.166	2.164	2.132	2.127	3.79
95) TP	tert-Butylbenzene		1.932	2.181	2.189	2.178	2.047	2.212	2.198	2.135	2.134	4.55
98) TP	1,2,4-Trimethy		2.420	2.512	2.466	2.444	2.286	2.515	2.496	2.456	2.449	3.02
99) TP	sec-Butylbenzene		3.039	3.237	3.270	3.173	3.019	3.253	3.256	3.150	3.175	3.13
100) TP	p-Isopropyltol		2.412	2.671	2.720	2.678	2.547	2.777	2.776	2.692	2.659	4.64
101) TP	1,3-Dichlorobe		1.134	1.292	1.308	1.319	1.220	1.357	1.357	1.337	1.291	5.96
102) TP	1,4-Dichlorobe		1.299	1.396	1.377	1.326	1.234	1.356	1.353	1.330	1.334	3.78
103) TP	p-Diethylbenzene		1.401	1.534	1.563	1.524	1.454	1.622	1.631	1.588	1.540	5.19
104) TP	n-Butylbenzene		2.130	2.381	2.297	2.215	2.138	2.364	2.393	2.331	2.281	4.68
105) TP	1,2-Dichlorobe		1.095	1.168	1.188	1.210	1.110	1.241	1.237	1.228	1.185	4.78
106) TP	1,2,4,5-Tetram		2.166	2.356	2.360	2.324	2.243	2.533	2.531	2.453	2.371	5.51
107) TP	1,2-Dibromo-3-			0.061	0.067	0.079	0.074	0.087	0.091	0.092	*L	0.9976
108) TP	1,3,5-Trichlor		0.739	0.835	0.857	0.842	0.788	0.902	0.892	0.861	0.840	6.41
109) TP	Hexachlorobuta		0.398	0.444	0.451	0.404	0.414	0.463	0.462	0.444	0.435	5.97
110) TP	1,2,4-Trichlor		0.655	0.745	0.737	0.742	0.695	0.802	0.784	0.772	0.741	6.46
111) TP	Naphthalene		1.561	1.599	1.566	1.618	1.495	1.724	1.692	1.705	1.620	4.98
112) TP	1,2,3-Trichlor		0.597	0.661	0.672	0.655	0.619	0.703	0.688	0.686	0.660	5.45

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2148923	
Project Name	: TROY BELTING-IRM		Project Number	: 2011-31	
Instrument ID	: VOA100		Calibration Date	: 09/16/21 04:33	
Lab File ID	: V00210916A01		Init. Calib. Date(s)	: 07/08/21	07/08/21
Sample No	: WG1547357-2		Init. Calib. Times	: 16:47	21:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	74	0
Dichlorodifluoromethane	0.249	0.088	-	64.7*	20	28	0
Chloromethane	0.302	0.194	-	35.8*	20	53	.01
Vinyl chloride	0.289	0.204	-	29.4*	20	57	0
Bromomethane	0.197	0.148	-	24.9*	20	68	0
Chloroethane	0.176	0.143	-	18.8	20	68	0
Trichlorofluoromethane	0.343	0.299	-	12.8	20	68	0
Ethyl ether	0.136	0.113	-	16.9	20	67	0
1,1-Dichloroethene	0.222	0.184	-	17.1	20	66	0
Carbon disulfide	0.836	0.567	-	32.2*	20	58	0
Freon-113	0.224	0.208	-	7.1	20	73	0
Acrolein	0.026	0.019*	-	26.9*	20	60	0
Methylene chloride	0.269	0.211	-	21.6*	20	67	0
Acetone	40	43.772	-	-9.4	20	94	0
trans-1,2-Dichloroethene	0.254	0.216	-	15	20	67	0
Methyl acetate	0.115	0.104	-	9.6	20	78	0
Methyl tert-butyl ether	0.671	0.559	-	16.7	20	68	0
tert-Butyl alcohol	0.02	0.018*	-	10	20	77	0
Diisopropyl ether	0.864	0.778	-	10	20	72	0
1,1-Dichloroethane	0.487	0.424	-	12.9	20	69	0
Halothane	0.193	0.17	-	11.9	20	69	0
Acrylonitrile	40	33.119	-	17.2	20	73	0
Ethyl tert-butyl ether	0.783	0.718	-	8.3	20	73	0
Vinyl acetate	0.513	0.467	-	9	20	74	0
cis-1,2-Dichloroethene	0.277	0.238	-	14.1	20	68	0
2,2-Dichloropropane	0.394	0.338	-	14.2	20	67	0
Bromochloromethane	0.12	0.105	-	12.5	20	69	0
Cyclohexane	0.462	0.42	-	9.1	20	71	0
Chloroform	0.486	0.411	-	15.4	20	68	0
Ethyl acetate	0.18	0.178	-	1.1	20	84	0
Carbon tetrachloride	0.36	0.323	-	10.3	20	69	0
Tetrahydrofuran	0.059	0.055	-	6.8	20	76	0
Dibromofluoromethane	0.252	0.252	-	0	20	75	0
1,1,1-Trichloroethane	0.388	0.337	-	13.1	20	67	0
2-Butanone	0.085	0.069*	-	18.8	20	70	0
1,1-Dichloropropene	0.325	0.291	-	10.5	20	68	0
Benzene	1.013	0.849	-	16.2	20	66	0
tert-Amyl methyl ether	0.647	0.553	-	14.5	20	69	0
1,2-Dichloroethane-d4	0.245	0.251	-	-2.4	20	79	0
1,2-Dichloroethane	0.316	0.282	-	10.8	20	71	0
Methyl cyclohexane	0.443	0.392	-	11.5	20	69	0
Trichloroethene	0.263	0.23	-	12.5	20	69	0
Dibromomethane	0.129	0.118	-	8.5	20	71	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2148923	
Project Name	: TROY BELTING-IRM		Project Number	: 2011-31	
Instrument ID	: VOA100		Calibration Date	: 09/16/21 04:33	
Lab File ID	: V00210916A01		Init. Calib. Date(s)	: 07/08/21	07/08/21
Sample No	: WG1547357-2		Init. Calib. Times	: 16:47	21:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.267	0.235	-	12	20	69	0
2-Chloroethyl vinyl ether	0.116	0.104	-	10.3	20	71	0
Bromodichloromethane	0.333	0.292	-	12.3	20	68	0
1,4-Dioxane	2000	1833.883	-	8.3	20	77	0
cis-1,3-Dichloropropene	0.382	0.347	-	9.2	20	69	0
Chlorobenzene-d5	1	1	-	0	20	71	0
Toluene-d8	1.317	1.341	-	-1.8	20	72	0
Toluene	0.844	0.756	-	10.4	20	68	0
4-Methyl-2-pentanone	0.09	0.087*	-	3.3	20	75	0
Tetrachloroethene	0.345	0.323	-	6.4	20	69	0
trans-1,3-Dichloropropene	0.427	0.411	-	3.7	20	70	0
Ethyl methacrylate	0.373	0.33	-	11.5	20	67	0
1,1,2-Trichloroethane	0.201	0.192	-	4.5	20	70	0
Chlorodibromomethane	0.289	0.278	-	3.8	20	69	0
1,3-Dichloropropane	0.428	0.396	-	7.5	20	69	0
1,2-Dibromoethane	40	36.244	-	9.4	20	71	0
2-Hexanone	0.151	0.149	-	1.3	20	77	0
Chlorobenzene	0.905	0.827	-	8.6	20	68	0
Ethylbenzene	1.596	1.43	-	10.4	20	67	0
1,1,1,2-Tetrachloroethane	0.324	0.308	-	4.9	20	70	0
p/m Xylene	0.601	0.552	-	8.2	20	68	0
o Xylene	0.575	0.524	-	8.9	20	67	0
Styrene	0.949	0.89	-	6.2	20	68	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	67	0
Bromoform	0.314	0.318	-	-1.3	20	71	0
Isopropylbenzene	2.975	2.894	-	2.7	20	68	0
4-Bromofluorobenzene	0.968	0.982	-	-1.4	20	68	0
Bromobenzene	0.649	0.656	-	-1.1	20	71	0
n-Propylbenzene	3.422	3.368	-	1.6	20	69	0
1,4-Dichlorobutane	0.929	0.931	-	-0.2	20	73	0
1,1,2,2-Tetrachloroethane	0.542	0.547	-	-0.9	20	72	0
4-Ethyltoluene	2.858	2.854	-	0.1	20	71	0
2-Chlorotoluene	2.098	1.665	-	20.6*	20	57	0
1,3,5-Trimethylbenzene	2.512	2.438	-	2.9	20	69	0
1,2,3-Trichloropropane	0.437	0.435	-	0.5	20	73	0
trans-1,4-Dichloro-2-buten	0.169	0.179	-	-5.9	20	76	0
4-Chlorotoluene	2.127	2.045	-	3.9	20	69	0
tert-Butylbenzene	2.134	2.05	-	3.9	20	67	0
1,2,4-Trimethylbenzene	2.449	2.405	-	1.8	20	71	0
sec-Butylbenzene	3.175	3.12	-	1.7	20	69	0
p-Isopropyltoluene	2.659	2.663	-	-0.2	20	70	0
1,3-Dichlorobenzene	1.291	1.335	-	-3.4	20	73	0
1,4-Dichlorobenzene	1.334	1.345	-	-0.8	20	73	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923		
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31		
Instrument ID	: VOA100	**Calibration Date**	: 09/16/21 04:33		
Lab File ID	: V00210916A01	**Init. Calib. Date(s)**	: 07/08/21	07/08/21	
Sample No	: WG1547357-2	**Init. Calib. Times**	: 16:47	21:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.54	1.592	-	-3.4	20	73	0
n-Butylbenzene	2.281	2.353	-	-3.2	20	74	0
1,2-Dichlorobenzene	1.185	1.196	-	-0.9	20	72	0
1,2,4,5-Tetramethylbenzene	2.371	2.423	-	-2.2	20	72	0
1,2-Dibromo-3-chloropropan	40	34.761	-	13.1	20	69	0
1,3,5-Trichlorobenzene	0.84	0.946	-	-12.6	20	81	0
Hexachlorobutadiene	0.435	0.454	-	-4.4	20	73	0
1,2,4-Trichlorobenzene	0.741	0.809	-	-9.2	20	78	0
Naphthalene	1.62	1.661	-	-2.5	20	75	0
1,2,3-Trichlorobenzene	0.66	0.703	-	-6.5	20	76	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2148923	
Project Name	: TROY BELTING-IRM		Project Number	: 2011-31	
Instrument ID	: VOA100		Calibration Date	: 09/16/21 16:47	
Lab File ID	: V00210916N01		Init. Calib. Date(s)	: 07/08/21	07/08/21
Sample No	: WG1547545-2		Init. Calib. Times	: 16:47	21:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	72	0
Dichlorodifluoromethane	0.249	0.089	-	64.3*	20	28	0
Chloromethane	0.302	0.205	-	32.1*	20	54	0
Vinyl chloride	0.289	0.211	-	27*	20	57	0
Bromomethane	0.197	0.153	-	22.3*	20	68	0
Chloroethane	0.176	0.147	-	16.5	20	68	0
Trichlorofluoromethane	0.343	0.31	-	9.6	20	68	0
Ethyl ether	0.136	0.112	-	17.6	20	65	0
1,1-Dichloroethene	0.222	0.188	-	15.3	20	65	0
Carbon disulfide	0.836	0.596	-	28.7*	20	59	0
Freon-113	0.224	0.219	-	2.2	20	74	0
Acrolein	0.026	0.02*	-	23.1*	20	62	0
Methylene chloride	0.269	0.213	-	20.8*	20	65	0
Acetone	40	41.526	-	-3.8	20	86	0
trans-1,2-Dichloroethene	0.254	0.222	-	12.6	20	67	0
Methyl acetate	0.115	0.107	-	7	20	78	0
Methyl tert-butyl ether	0.671	0.561	-	16.4	20	66	0
tert-Butyl alcohol	0.02	0.019*	-	5	20	77	0
Diisopropyl ether	0.864	0.8	-	7.4	20	71	0
1,1-Dichloroethane	0.487	0.439	-	9.9	20	69	0
Halothane	0.193	0.174	-	9.8	20	68	0
Acrylonitrile	40	36.23	-	9.4	20	78	0
Ethyl tert-butyl ether	0.783	0.723	-	7.7	20	71	0
Vinyl acetate	0.513	0.481	-	6.2	20	74	0
cis-1,2-Dichloroethene	0.277	0.239	-	13.7	20	66	0
2,2-Dichloropropane	0.394	0.351	-	10.9	20	68	0
Bromochloromethane	0.12	0.107	-	10.8	20	68	0
Cyclohexane	0.462	0.444	-	3.9	20	73	0
Chloroform	0.486	0.417	-	14.2	20	67	0
Ethyl acetate	0.18	0.179	-	0.6	20	82	0
Carbon tetrachloride	0.36	0.329	-	8.6	20	68	0
Tetrahydrofuran	0.059	0.057	-	3.4	20	78	0
Dibromofluoromethane	0.252	0.251	-	0.4	20	72	0
1,1,1-Trichloroethane	0.388	0.345	-	11.1	20	67	0
2-Butanone	0.085	0.07*	-	17.6	20	69	0
1,1-Dichloropropene	0.325	0.302	-	7.1	20	68	0
Benzene	1.013	0.869	-	14.2	20	65	0
tert-Amyl methyl ether	0.647	0.559	-	13.6	20	68	0
1,2-Dichloroethane-d4	0.245	0.26	-	-6.1	20	79	0
1,2-Dichloroethane	0.316	0.288	-	8.9	20	71	0
Methyl cyclohexane	0.443	0.407	-	8.1	20	69	0
Trichloroethene	0.263	0.236	-	10.3	20	69	0
Dibromomethane	0.129	0.118	-	8.5	20	69	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2148923	
Project Name	: TROY BELTING-IRM		Project Number	: 2011-31	
Instrument ID	: VOA100		Calibration Date	: 09/16/21 16:47	
Lab File ID	: V00210916N01		Init. Calib. Date(s)	: 07/08/21	07/08/21
Sample No	: WG1547545-2		Init. Calib. Times	: 16:47	21:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.267	0.241	-	9.7	20	68	0
2-Chloroethyl vinyl ether	0.116	0.105	-	9.5	20	70	0
Bromodichloromethane	0.333	0.296	-	11.1	20	67	0
1,4-Dioxane	2000	2168.101	-	-8.4	20	88	0
cis-1,3-Dichloropropene	0.382	0.351	-	8.1	20	68	0
Chlorobenzene-d5	1	1	-	0	20	69	0
Toluene-d8	1.317	1.348	-	-2.4	20	70	0
Toluene	0.844	0.763	-	9.6	20	66	0
4-Methyl-2-pentanone	0.09	0.089*	-	1.1	20	75	0
Tetrachloroethene	0.345	0.328	-	4.9	20	68	0
trans-1,3-Dichloropropene	0.427	0.416	-	2.6	20	68	0
Ethyl methacrylate	0.373	0.332	-	11	20	65	0
1,1,2-Trichloroethane	0.201	0.195	-	3	20	69	0
Chlorodibromomethane	0.289	0.278	-	3.8	20	67	0
1,3-Dichloropropane	0.428	0.403	-	5.8	20	68	0
1,2-Dibromoethane	40	36.019	-	10	20	69	0
2-Hexanone	0.151	0.155	-	-2.6	20	78	0
Chlorobenzene	0.905	0.837	-	7.5	20	67	0
Ethylbenzene	1.596	1.455	-	8.8	20	66	0
1,1,1,2-Tetrachloroethane	0.324	0.305	-	5.9	20	67	0
p/m Xylene	0.601	0.558	-	7.2	20	66	0
o Xylene	0.575	0.528	-	8.2	20	65	0
Styrene	0.949	0.888	-	6.4	20	65	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	64	0
Bromoform	0.314	0.324	-	-3.2	20	69	0
Isopropylbenzene	2.975	2.973	-	0.1	20	66	0
4-Bromofluorobenzene	0.968	1.002	-	-3.5	20	67	0
Bromobenzene	0.649	0.652	-	-0.5	20	67	0
n-Propylbenzene	3.422	3.482	-	-1.8	20	68	0
1,4-Dichlorobutane	0.929	0.982	-	-5.7	20	73	0
1,1,2,2-Tetrachloroethane	0.542	0.562	-	-3.7	20	71	0
4-Ethyltoluene	2.858	2.921	-	-2.2	20	69	0
2-Chlorotoluene	2.098	2.05	-	2.3	20	67	0
1,3,5-Trimethylbenzene	2.512	2.491	-	0.8	20	67	0
1,2,3-Trichloropropane	0.437	0.456	-	-4.3	20	73	0
trans-1,4-Dichloro-2-buten	0.169	0.19	-	-12.4	20	77	0
4-Chlorotoluene	2.127	2.074	-	2.5	20	67	0
tert-Butylbenzene	2.134	2.106	-	1.3	20	66	0
1,2,4-Trimethylbenzene	2.449	2.419	-	1.2	20	68	0
sec-Butylbenzene	3.175	3.205	-	-0.9	20	68	0
p-Isopropyltoluene	2.659	2.718	-	-2.2	20	68	0
1,3-Dichlorobenzene	1.291	1.336	-	-3.5	20	70	0
1,4-Dichlorobenzene	1.334	1.348	-	-1	20	70	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2148923		
Project Name	: TROY BELTING-IRM	**Project Number**	: 2011-31		
Instrument ID	: VOA100	**Calibration Date**	: 09/16/21 16:47		
Lab File ID	: V00210916N01	**Init. Calib. Date(s)**	: 07/08/21	07/08/21	
Sample No	: WG1547545-2	**Init. Calib. Times**	: 16:47	21:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.54	1.623	-	-5.4	20	71	0
n-Butylbenzene	2.281	2.42	-	-6.1	20	72	0
1,2-Dichlorobenzene	1.185	1.193	-	-0.7	20	69	0
1,2,4,5-Tetramethylbenzene	2.371	2.401	-	-1.3	20	68	0
1,2-Dibromo-3-chloropropan	40	34.371	-	14.1	20	65	0
1,3,5-Trichlorobenzene	0.84	0.94	-	-11.9	20	76	0
Hexachlorobutadiene	0.435	0.448	-	-3	20	69	0
1,2,4-Trichlorobenzene	0.741	0.798	-	-7.7	20	73	0
Naphthalene	1.62	1.644	-	-1.5	20	70	0
1,2,3-Trichlorobenzene	0.66	0.691	-	-4.7	20	71	0

* Value outside of QC limits.

SVOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2148923

3 Soil Samples
Collected September 10, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were extracted and analyzed within USEPA holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for applicable target compounds were above the method minimums, as required.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for applicable target compounds were above the method minimums and the %Ds were below the method maximum, as required.

The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported target compounds as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the soil samples.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1545386-2/3.

Compound ID: Checked compound and surrogate results were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

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Pesticide Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8081B Pesticide Data
for Alpha Analytical Labs
SDG Number: L2148923

3 Soil Samples
Collected September 10, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target pesticides as not detected.

Surrogate Recovery: One of two surrogate recoveries for sample IRM-SW-SE-6-2021-09-10 was above QC limits on one column. No action is taken on one surrogate recovery one column outside control limits, provided the recovery is not less than 10%.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximum and percent recoveries were within QC limits for soil samples WG1545380-2/3.

Initial Calibration: The %RSDs were below the allowable maximum (20%) or the correlation coefficients were above the allowable minimum (0.995) for applicable pesticides on both columns, as required.

Continuing Calibration: The %Ds and average %Ds for target pesticides were below the allowable maximum (20%) for both columns, as required.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Identification Summary for Single Component Analytes: Checked surrogates were within quantitation limits. The analysis of soil sample reported target single component pesticides as not detected.

Pesticide Identification Summary for Multi-Component Analytes: The analyses of soil samples reported target multi-component pesticides as not detected.

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Surrogate Recovery Summary
Form 2
Pesticides

Client: Sterling Environmental Engineering
Project Name: TROY BELTING-IRM

Lab Number: L2148923
Project Number: 2011-31
Matrix: Soil

GC Column 1: CLPPesticides
GC Column 2: CLPPesticidesII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
IRM-SW-SC-6.5-2021-09-10 (L2148923-01)	74	66	71	80			0
IRM-SW-SE-6-2021-09-10 (L2148923-02)	348*	47	72	60			1
IRM-SW-E-5.5-2021-09-10 (L2148923-03)	76	56	65	64			0
WG1545380-1BLANK	75	68	82	79			0
WG1545380-2LCS	66	58	75	69			0
WG1545380-3LCSD	77	70	92	81			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

PCB Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8082A PCB Data
for Alpha Analytical Labs
SDG Number: L2148923

3 Soil Samples
Collected September 10, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analysis of the method blank reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for soil samples WG1545213-2/3.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Continuing Calibration: The average %Ds for aroclor 1016 and aroclor-1260 were below the allowable maximum (20%) for both columns, as required.

PCB Identification Summary: Checked surrogate and detected aroclor results were within quantitation limits. The RPDs for dual column quantitation of detected aroclors were below the allowable maximum (25%), as required.

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Herbicide Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8151 Herbicide Data
for Alpha Analytical Labs
SDG Number: L2148923

3 Soil Samples
Collected September 10, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were extracted and analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported 2,4,5-TP as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the soil samples.

Laboratory Control Sample: The relative percent difference for 2,4,5-TP was below the allowable maximum and the percent recoveries were within QC limits for soil samples WG1546764-2/3.

Initial Calibration: The %RSDs for 2,4,5-TP were below the allowable maximum (20%) for both columns, as required.

Continuing Calibration: The %Ds for 2,4,5-TP were below the allowable maximum (15%) for both columns, as required.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of the soil samples reported 2,4,5-TP as not detected.

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Metals Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Metals Data
for Alpha Analytical Labs
SDG Number: L2148923

3 Soil Samples
Collected September 10, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses of initial and continuing calibration and method blanks reported target metals as either not detected or below the reporting limits, as required.

Spike Sample Recovery: The percent recovery (%R) for barium was above control limits (75-125%) for soil spike sample IRM-SW-SC-6.5-2021-09-10. Positive results for barium should be considered estimated, biased high (J+) in associated soil samples.

The %Rs for arsenic and lead were below control limits (75-125%), but not below 10% for soil spike sample IRM-SW-SC-6.5-2021-09-10. Positive results for arsenic and lead should be considered estimated, biased low (J-) and "not detected" results estimated (J) in associated soil samples.

Two of two %Rs for mercury were below control limits (75-125%) and below 10% for soil batch spike sample L2148268-02. Positive results for mercury should be considered estimated, biased low (J-) and "not detected" results rejected, unusable (R) in associated soil samples.

Laboratory Duplicates: The relative percent differences for applicable metals were below the allowable maximum (35%) for soil duplicate sample IRM-SW-SC-6.5-2021-09-10, as required.

Laboratory Control Sample: The percent recoveries for target metals were within control limits for soil samples WG1546182-2, WG1547230-2, and WG1545811-2.

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ICP Serial Dilution: The %D for manganese was above the allowable maximum (15%) for soil serial dilution sample IRM-SW-SC-6.5-2021-09-10. Positive results for manganese that are above the reporting limits should be considered estimated (J) in associated soil samples.

Percent Solids: The percent solids for soil samples were above 50%.

Form 5a
Matrix Spike

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: IRM-SW-SC-6.5-2021-09-10	Matrix	: SOIL
Lab Sample ID	: L2148923-01		
Matrix Spike	: WG1547230-3	MS Analysis Date	: 09/20/21 13:34
Matrix Spike Dup	:	MSD Analysis Date	:

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R	RPD	Recovery Limits	RPD Limit
Arsenic, Total	9.17	10.5	15.1	56	Q					75-125	20
Barium, Total	94.2	175	323	130	Q					75-125	20
Beryllium, Total	0.558J	4.38	5.04	115						75-125	20
Cadmium, Total	ND	4.64	3.81	82						75-125	20
Chromium, Total	18.6	17.5	40.5	125						75-125	20
Copper, Total	44.4	21.9	61.5	78						75-125	20
Lead, Total	24.7	46.4	52.2	59	Q					75-125	20
Manganese, Total	759	43.8	329	0	NA					75-125	20
Nickel, Total	27.6	43.8	63.6	82						75-125	20
Selenium, Total	ND	10.5	9.40	89						75-125	20
Silver, Total	ND	26.3	27.2	103						75-125	20
Zinc, Total	90.7	43.8	126	80						75-125	20

NA- The sample concentration was greater than 4X the spike level; therefore, the %R is not applicable.

Form 8
Serial Dilutions

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: IRM-SW-SC-6.5-2021-09-10	Matrix	: SOIL
Lab Sample ID	: L2148923-01	Analysis Date	: 09/20/21 13:30
Serial Dilution ID	: WG1547230-6	Analysis Date	: 09/20/21 13:48

Parameter	Initial Sample Result (mg/kg)	Serial Dilution Result (mg/kg)	% Difference	%D Limit
Barium, Total	94.2	108	15	15
Manganese, Total	759	894	18	15

Form 5a
Matrix Spike

Client	: Sterling Environmental Engineering	Lab Number	: L2148923
Project Name	: TROY BELTING-IRM	Project Number	: 2011-31
Client Sample ID	: NA	Matrix	: SOIL
Lab Sample ID	: L2148268-02		
Matrix Spike	: WG1545811-3	MS Analysis Date	: 09/14/21 13:25
Matrix Spike Dup	: WG1545811-4	MSD Analysis Date	: 09/14/21 13:28

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (mg/kg)	Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		Spike Added (mg/kg)	Spike Conc. (mg/kg)	%R		RPD	Recovery Limits	RPD Limit
Mercury, Total	0.592	0.174	0.334	0	Q	0.183	0.331	0	Q	1	80-120	20

Cyanide Data Section

ALPHA GEOSCIENCE
Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Cyanide
Data for Alpha Analytical Labs
SDG Number: L2148923

3 Soil Samples
Collected September 10, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported total cyanide as not detected.

Spike Sample Recovery: The percent recoveries for total cyanide were within QC limits (75-125%) for soil batch MS/MSD samples L2149389-05.

Laboratory Duplicates: The relative percent difference for total cyanide was below the allowable maximum (35%) for soil batch MS/MSD sample L2149389-05, as required.

Laboratory Control Sample: The relative percent difference for total cyanide was below the allowable maximum and the percent recoveries were within QC limits (80-120%) for soil samples WG1547339-2/3.

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General Chemistry
Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Hexavalent Chromium (Cr6+)
Data for Alpha Analytical Labs
SDG Number: L2148923

3 Soil Samples
Collected September 10, 2021

Prepared by: Donald Anné
October 18, 2021

Holding Times: The samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported Cr6+ as not detected.

Spike Sample Recovery: The percent recoveries for Cr6+ were within QC limits (75-125%) for soil batch spike sample WG1547440-5 and soil spike sample IRM-SW-SC-6.5-2021-09-10.

Laboratory Duplicates: The analysis of soil duplicate sample IRM-SW-SC-6.5-2021-09-10 was acceptable.

Laboratory Control Sample: The percent recoveries for Cr6+ were within QC limits (80-120%) for soil samples WG1547440-2/3.

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Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

May 1, 2023

Mr. Paul W. Scholar
Senior Geologist
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: Data Validation Report
Troy Belting (2011-31 task 911)
April 2023 Ground Water Sampling Event

Dear Mr. Scholar:

The data usability summary report (DUSR) and QA/QC reviews are attached to this letter for the above referenced project sampling events. The data for Alpha Analytical, SDG number: L2319240 are acceptable with some minor issues identified and discussed in the DUSR and validation summaries. There are no data that are qualified as rejected, unusable (R) in the data pack.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Sterling Environmental Engineering, P.C.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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L2319240

ALPHA GEOSCIENCE

Geology

Hydrology

Remediation

Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2319240

7 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected April 11, 2023

Prepared by: Donald Anné
May 1, 2023

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile and 1,4-dioxane by 8270 SIM results for 7 ground water samples and 1 field duplicate, and results of volatiles for1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile result for acetone was qualified as "not detected" (U) for sample MW-7S because the level reported in the sample was not significantly greater than (more than 10 times) the highest associated blank level.

- The positive volatile results for vinyl chloride were qualified as "estimated" (J) samples MW-7S, MW-8S, MW-6D', MW-6D, MW-6S, and MW-4S because the %D for vinyl chloride was above the allowable maximum in the associated continuing calibration.

All data are considered usable with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-01	Date Collected	: 04/11/23 08:35
Client ID	: MW-7D	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 10:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A07	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.20	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-01	Date Collected	: 04/11/23 08:35
Client ID	: MW-7D	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 10:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A07	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-01	**Date Collected**	: 04/11/23 08:35
Client ID	: MW-7D	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/19/23 10:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V08230419A07	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-02	Date Collected	: 04/11/23 09:30
Client ID	: MW-7S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 10:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A08	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	0.15	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-02	Date Collected	: 04/11/23 09:30
Client ID	: MW-7S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 10:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A08	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	2.0	2.5	0.70	J	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	2.0	5.0	1.5	J	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-02	Date Collected	: 04/11/23 09:30
Client ID	: MW-7S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 10:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A08	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-03	Date Collected	: 04/11/23 10:30
Client ID	: MW-8S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 11:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A09	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	24	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-03	Date Collected	: 04/11/23 10:30
Client ID	: MW-8S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 11:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A09	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	7.3	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-03	Date Collected	: 04/11/23 10:30
Client ID	: MW-8S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 11:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A09	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-04	Date Collected	: 04/11/23 12:10
Client ID	: MW-6D'	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 11:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A10	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	3.5	2.5	0.70	
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	110	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	0.24	0.50	0.17	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-04	Date Collected	: 04/11/23 12:10
Client ID	: MW-6D'	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 11:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A10	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	120	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-04	Date Collected	: 04/11/23 12:10
Client ID	: MW-6D'	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 11:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A10	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-05D	Date Collected	: 04/11/23 13:50
Client ID	: MW-6D	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 11:46
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A11	Instrument ID	: VOA108
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	100	28.	U
75-34-3	1,1-Dichloroethane	63	100	28.	J
67-66-3	Chloroform	ND	100	28.	U
56-23-5	Carbon tetrachloride	ND	20	5.4	U
78-87-5	1,2-Dichloropropane	ND	40	5.5	U
124-48-1	Dibromochloromethane	ND	20	6.0	U
79-00-5	1,1,2-Trichloroethane	ND	60	20.	U
127-18-4	Tetrachloroethene	ND	20	7.2	U
108-90-7	Chlorobenzene	ND	100	28.	U
75-69-4	Trichlorofluoromethane	ND	100	28.	U
107-06-2	1,2-Dichloroethane	ND	20	5.3	U
71-55-6	1,1,1-Trichloroethane	ND	100	28.	U
75-27-4	Bromodichloromethane	ND	20	7.7	U
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.8	U
75-25-2	Bromoform	ND	80	26.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.7	U
71-43-2	Benzene	ND	20	6.4	U
108-88-3	Toluene	ND	100	28.	U
100-41-4	Ethylbenzene	ND	100	28.	U
74-87-3	Chloromethane	ND	100	28.	U
74-83-9	Bromomethane	ND	100	28.	U
75-01-4	Vinyl chloride	240	40	2.8	J
75-00-3	Chloroethane	ND	100	28.	U
75-35-4	1,1-Dichloroethene	22	20	6.8	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-05D	Date Collected	: 04/11/23 13:50
Client ID	: MW-6D	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 11:46
Sample Matrix	: WATER	Dilution Factor	: 40
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A11	Instrument ID	: VOA108
Sample Amount	: 0.25 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	100	28.	U
79-01-6	Trichloroethene	400	20	7.0	
95-50-1	1,2-Dichlorobenzene	ND	100	28.	U
541-73-1	1,3-Dichlorobenzene	ND	100	28.	U
106-46-7	1,4-Dichlorobenzene	ND	100	28.	U
1634-04-4	Methyl tert butyl ether	ND	100	28.	U
179601-23-1	p/m-Xylene	ND	100	28.	U
95-47-6	o-Xylene	ND	100	28.	U
156-59-2	cis-1,2-Dichloroethene	4200	100	28.	
100-42-5	Styrene	ND	100	28.	U
75-71-8	Dichlorodifluoromethane	ND	200	40.	U
67-64-1	Acetone	ND	200	58.	U
75-15-0	Carbon disulfide	ND	200	40.	U
78-93-3	2-Butanone	ND	200	78.	U
108-10-1	4-Methyl-2-pentanone	ND	200	40.	U
591-78-6	2-Hexanone	ND	200	40.	U
74-97-5	Bromochloromethane	ND	100	28.	U
106-93-4	1,2-Dibromoethane	ND	80	26.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	100	28.	U
98-82-8	Isopropylbenzene	ND	100	28.	U
87-61-6	1,2,3-Trichlorobenzene	ND	100	28.	U
120-82-1	1,2,4-Trichlorobenzene	ND	100	28.	U
79-20-9	Methyl Acetate	ND	80	9.4	U
110-82-7	Cyclohexane	ND	400	11.	U
123-91-1	1,4-Dioxane	ND	10000	2400	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-05D	**Date Collected**	: 04/11/23 13:50
Client ID	: MW-6D	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/19/23 11:46
Sample Matrix	: WATER	**Dilution Factor**	: 40
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V08230419A11	**Instrument ID**	: VOA108
Sample Amount	: 0.25 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	100	28.	U
108-87-2	Methyl cyclohexane	ND	400	16.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-06D	Date Collected	: 04/11/23 13:00
Client ID	: MW-6S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 12:07
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A12	Instrument ID	: VOA108
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	50	14.	U	
75-34-3	1,1-Dichloroethane	43	50	14.	J	
67-66-3	Chloroform	ND	50	14.	U	
56-23-5	Carbon tetrachloride	ND	10	2.7	U	
78-87-5	1,2-Dichloropropane	ND	20	2.7	U	
124-48-1	Dibromochloromethane	ND	10	3.0	U	
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U	
127-18-4	Tetrachloroethene	ND	10	3.6	U	
108-90-7	Chlorobenzene	ND	50	14.	U	
75-69-4	Trichlorofluoromethane	ND	50	14.	U	
107-06-2	1,2-Dichloroethane	ND	10	2.6	U	
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U	
75-27-4	Bromodichloromethane	ND	10	3.8	U	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U	
75-25-2	Bromoform	ND	40	13.	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U	
71-43-2	Benzene	ND	10	3.2	U	
108-88-3	Toluene	ND	50	14.	U	
100-41-4	Ethylbenzene	ND	50	14.	U	
74-87-3	Chloromethane	ND	50	14.	U	
74-83-9	Bromomethane	ND	50	14.	U	
75-01-4	Vinyl chloride	280	20	1.4		J
75-00-3	Chloroethane	ND	50	14.	U	
75-35-4	1,1-Dichloroethene	7.5	10	3.4	J	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-06D	Date Collected	: 04/11/23 13:00
Client ID	: MW-6S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 12:07
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A12	Instrument ID	: VOA108
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	50	14.	U
79-01-6	Trichloroethene	ND	10	3.5	U
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	2600	50	14.	
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U
98-82-8	Isopropylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
79-20-9	Methyl Acetate	ND	40	4.7	U
110-82-7	Cyclohexane	ND	200	5.4	U
123-91-1	1,4-Dioxane	ND	5000	1200	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-06D	**Date Collected**	: 04/11/23 13:00
Client ID	: MW-6S	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/19/23 12:07
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V08230419A12	**Instrument ID**	: VOA108
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	50	14.	U
108-87-2	Methyl cyclohexane	ND	200	7.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-07D	Date Collected	: 04/11/23 14:45
Client ID	: MW-4S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 12:28
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A13	Instrument ID	: VOA108
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	120	35.	U	
75-34-3	1,1-Dichloroethane	61	120	35.	J	
67-66-3	Chloroform	ND	120	35.	U	
56-23-5	Carbon tetrachloride	ND	25	6.7	U	
78-87-5	1,2-Dichloropropane	ND	50	6.8	U	
124-48-1	Dibromochloromethane	ND	25	7.4	U	
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U	
127-18-4	Tetrachloroethene	ND	25	9.0	U	
108-90-7	Chlorobenzene	ND	120	35.	U	
75-69-4	Trichlorofluoromethane	ND	120	35.	U	
107-06-2	1,2-Dichloroethane	ND	25	6.6	U	
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U	
75-27-4	Bromodichloromethane	ND	25	9.6	U	
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U	
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U	
75-25-2	Bromoform	ND	100	32.	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U	
71-43-2	Benzene	ND	25	8.0	U	
108-88-3	Toluene	ND	120	35.	U	
100-41-4	Ethylbenzene	ND	120	35.	U	
74-87-3	Chloromethane	ND	120	35.	U	
74-83-9	Bromomethane	ND	120	35.	U	
75-01-4	Vinyl chloride	350	50	3.6		J
75-00-3	Chloroethane	ND	120	35.	U	
75-35-4	1,1-Dichloroethene	13	25	8.4	J	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-07D	Date Collected	: 04/11/23 14:45
Client ID	: MW-4S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 12:28
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A13	Instrument ID	: VOA108
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	12	25	8.8	J
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	6300	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-07D	**Date Collected**	: 04/11/23 14:45
Client ID	: MW-4S	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/19/23 12:28
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V08230419A13	**Instrument ID**	: VOA108
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-08	Date Collected	: 04/11/23 00:00
Client ID	: DUP04112023	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 12:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A14	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	0.19	0.50	0.16	J
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-08	Date Collected	: 04/11/23 00:00
Client ID	: DUP04112023	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 12:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A14	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-08	Date Collected	: 04/11/23 00:00
Client ID	: DUP04112023	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 12:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A14	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-09	Date Collected	: 04/11/23 00:00
Client ID	: TB04112023	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 10:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A06	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-09	Date Collected	: 04/11/23 00:00
Client ID	: TB04112023	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 10:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A06	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.1	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-09	Date Collected	: 04/11/23 00:00
Client ID	: TB04112023	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/19/23 10:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V08230419A06	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-01	**Date Collected**	: 04/11/23 08:35
Client ID	: MW-7D	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/18/23 20:57
Sample Matrix	: WATER	**Date Extracted**	: 04/17/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2204182343	**Analyst**	: TPR
Sample Amount	: 250 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-02	Date Collected	: 04/11/23 09:30
Client ID	: MW-7S	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/18/23 21:18
Sample Matrix	: WATER	Date Extracted	: 04/17/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: F2204182344	Analyst	: TPR
Sample Amount	: 270 ml	Instrument ID	: PAH22
Extraction Method	: EPA 3510C	GC Column	: RTX-5
Extract Volume	: 2500 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
123-91-1	1,4-Dioxane	ND	139	31.4	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-03	**Date Collected**	: 04/11/23 10:30
Client ID	: MW-8S	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/18/23 21:39
Sample Matrix	: WATER	**Date Extracted**	: 04/17/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2204182345	**Analyst**	: TPR
Sample Amount	: 260 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	3500	144	32.6	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	Lab Number	: L2319240
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2319240-04	Date Collected	: 04/11/23 12:10
Client ID	: MW-6D'	Date Received	: 04/11/23
Sample Location	: COLONIE, NY	Date Analyzed	: 04/18/23 22:00
Sample Matrix	: WATER	Date Extracted	: 04/17/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: F2204182346	Analyst	: TPR
Sample Amount	: 270 ml	Instrument ID	: PAH22
Extraction Method	: EPA 3510C	GC Column	: RTX-5
Extract Volume	: 2500 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
123-91-1	1,4-Dioxane	415.	139	31.4	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-05	**Date Collected**	: 04/11/23 13:50
Client ID	: MW-6D	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/18/23 22:20
Sample Matrix	: WATER	**Date Extracted**	: 04/17/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2204182347	**Analyst**	: TPR
Sample Amount	: 270 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	18200	139	31.4	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-06	**Date Collected**	: 04/11/23 13:00
Client ID	: MW-6S	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/18/23 23:22
Sample Matrix	: WATER	**Date Extracted**	: 04/17/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2204182350	**Analyst**	: TPR
Sample Amount	: 260 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	20000	144	32.6	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-07	**Date Collected**	: 04/11/23 14:45
Client ID	: MW-4S	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/19/23 12:09
Sample Matrix	: WATER	**Date Extracted**	: 04/15/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2204192316	**Analyst**	: TPR
Sample Amount	: 270 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	20900	139	31.4	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2319240-08	**Date Collected**	: 04/11/23 00:00
Client ID	: DUP04112023	**Date Received**	: 04/11/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 04/19/23 12:30
Sample Matrix	: WATER	**Date Extracted**	: 04/15/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2204192317	**Analyst**	: TPR
Sample Amount	: 245 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	153	34.6	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2319240

7 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected April 11, 2023

Prepared by: Donald Anné
May 1, 2023

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, 2-butanone, 4-methyl-2-pentanone, 1,1,2-trichloroethane, and 2-hexanone were below the method minimums, but not below 0.010 for VOA108 on 04-05-23. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for acetone, 2-butanone, 4-methyl-2-pentanone, 1,1,2-trichloroethane, and 2-hexanone were below the method minimums, but not below 0.010 on 04-19-23 (V08230419A01). The %Ds for dichlorodifluoromethane, chloromethane, and vinyl chloride were above the method maximum on 04-19-23 (V08230419A01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

The %Ds for dichlorodifluoromethane, chloromethane, and vinyl chloride were above the allowable maximum (20%) on 04-19-23 (V08230419A01). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analysis of the method blank reported target compounds as not detected. Trip blank TB04112023 contained a trace of acetone (2.1 ug/L). Positive results for acetone that are less than 10 times the method blank level should be considered not detected (U) in associated samples.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
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Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for applicable compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-6D.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within the QC limits for aqueous samples WG1769022-3/4.

Field Duplicates: The analyses of aqueous field duplicate MW-7D/DUP04112023 reported target compounds as either not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compounds were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Instrument ID	: VOA108	**Ical Ref**	: ICAL19890
Calibration dates	: 04/05/23 22:11 04/06/23 01:18		

Calibration Files

L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d

L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.170	0.234	0.233	0.207	0.209	0.213	0.213	0.211	10.10
3)	TP	Chloromethane		0.282	0.351	0.307	0.266	0.261	0.252	0.246	0.281	13.17
4)	TC	Vinyl chloride	0.204	0.212	0.308	0.273	0.249	0.252	0.254	0.252	0.250	13.04
5)	TP	Bromomethane		0.167	0.187	0.153	0.149	0.170	0.174	0.187	0.170	8.77
6)	TP	Chloroethane		0.195	0.235	0.199	0.178	0.182	0.189	0.192	0.196	9.54
7)	TP	Trichlorofluor		0.317	0.411	0.420	0.376	0.386	0.394	0.394	0.385	8.72
8)	TP	Ethyl ether		0.069	0.113	0.097	0.095	0.104	0.102	0.100	0.097	14.03
10)	TC	1,1-Dichloroet		0.226	0.264	0.247	0.222	0.229	0.233	0.232	0.236	6.20
11)	TP	Carbon disulfide		0.663	0.826	0.745	0.689	0.705	0.709	0.704	0.720	7.31
12)	TP	Freon-113		0.189	0.261	0.267	0.240	0.244	0.247	0.249	0.242	10.50
13)	TP	Iodomethane			0.187	0.228	0.263	0.317	0.331	0.319	*L	0.9971
14)	TP	Acrolein			0.033	0.029	0.027	0.027	0.026	0.026	0.028	9.13
15)	TP	Methylene chlo		0.310	0.334	0.271	0.244	0.251	0.242	0.239	0.270	13.87
17)	TP	Acetone			0.073	0.050	0.045	0.049	0.046	0.048	0.052	19.95
18)	TP	trans-1,2-Dich		0.253	0.329	0.279	0.252	0.259	0.259	0.258	0.270	10.18
19)	TP	Methyl acetate		0.144	0.143	0.111	0.106	0.112	0.108	0.106	0.118	14.44
20)	TP	Methyl tert butyl ether		0.373	0.436	0.420	0.437	0.487	0.486	0.490	0.447	9.80
21)	TP	tert-Butyl alc		0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.013	6.90
22)	TP	Diisopropyl ether		0.721	0.780	0.691	0.692	0.761	0.754	0.751	0.736	4.75
23)	TP	1,1-Dichloroet		0.519	0.602	0.495	0.447	0.456	0.444	0.437	0.486	12.27
24)	TP	Halothane		0.192	0.257	0.231	0.208	0.211	0.212	0.211	0.217	9.52
25)	TP	Acrylonitrile		0.089	0.076	0.059	0.058	0.059	0.056	0.055	0.065	19.96
26)	TP	Ethyl tert-but		0.555	0.638	0.605	0.645	0.725	0.701	0.724	0.656	9.78
27)	TP	Vinyl acetate			0.369	0.348	0.402	0.400	0.412	0.379	0.385	6.28
28)	TP	cis-1,2-Dichlo		0.306	0.334	0.291	0.277	0.284	0.283	0.284	0.294	6.75
29)	TP	2,2-Dichloropr		0.295	0.368	0.315	0.310	0.338	0.333	0.336	0.328	7.25
30)	TP	Bromochloromet		0.159	0.193	0.162	0.150	0.151	0.151	0.141	0.158	10.51
31)	TP	Cyclohexane		0.257	0.354	0.376	0.368	0.411	0.403	0.407	0.368	14.56
32)	TC	Chloroform		0.513	0.593	0.487	0.450	0.459	0.450	0.442	0.485	11.13
33)	TP	Ethyl acetate		0.131	0.135	0.118	0.121	0.134	0.132	0.134	0.129	5.37
34)	TP	Carbon tetrachloride	0.237	0.276	0.373	0.366	0.347	0.364	0.379	0.386	0.341	15.92
35)	TP	Tetrahydrofuran			0.043	0.031	0.032	0.036	0.036	0.036	0.036	11.55
36)	S	Dibromofluoromethane	0.409	0.405	0.404	0.371	0.342	0.335	0.320	0.324	0.364	10.47
37)	TP	1,1,1-Trichlor		0.323	0.441	0.405	0.374	0.387	0.396	0.395	0.389	9.18
39)	TP	2-Butanone			0.068	0.059	0.061	0.067	0.063	0.064	0.064	5.30

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Instrument ID	: VOA108	**Ical Ref**	: ICAL19890
Calibration dates	: 04/05/23 22:11 04/06/23 01:18		

Calibration Files

L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d

L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.208	0.276	0.280	0.285	0.306	0.314	0.316	0.284	13.06
41)	TP	Benzene	0.681	0.797	0.952	0.895	0.897	0.956	0.951	0.937	0.883	11.01
42)	TP	Tertiary-Amyl Methyl Ether		0.341	0.401	0.398	0.442	0.528	0.536	0.550	0.457	17.93
43)	S	1,2-Dichloroethane-d4	0.364	0.368	0.357	0.333	0.319	0.309	0.296	0.297	0.330	8.97
44)	TP	1,2-Dichloroet		0.374	0.389	0.334	0.317	0.328	0.319	0.316	0.339	8.72
47)	TP	Methyl cyclohe		0.247	0.309	0.347	0.354	0.397	0.408	0.418	0.354	17.27
48)	TP	Trichloroethene	0.154	0.221	0.278	0.270	0.272	0.289	0.282	0.286	0.256	18.10
50)	TP	Dibromomethane		0.133	0.174	0.148	0.142	0.149	0.145	0.145	0.148	8.59
51)	TC	1,2-Dichloropr		0.240	0.266	0.242	0.243	0.257	0.255	0.251	0.251	3.80
53)	TP	2-Chloroethyl		0.080	0.096	0.089	0.101	0.121	0.121	0.126	0.105	17.03
54)	TP	Bromodichlorom		0.300	0.371	0.330	0.321	0.350	0.347	0.347	0.338	6.82
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	5.55
58)	TP	cis-1,3-Dichlo		0.281	0.301	0.300	0.334	0.383	0.384	0.390	0.339	13.68
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.152	1.150	1.178	1.164	1.176	1.164	1.177	1.157	1.165	0.96
61)	TC	Toluene		0.572	0.729	0.662	0.650	0.690	0.709	0.695	0.672	7.68
62)	TP	4-Methyl-2-pen		0.037	0.048	0.047	0.052	0.060	0.061	0.060	0.052	17.44
63)	TP	Tetrachloroethene		0.258	0.373	0.330	0.319	0.335	0.352	0.349	0.331	11.07
65)	TP	trans-1,3-Dich		0.221	0.257	0.265	0.310	0.367	0.375	0.375	*Q	0.9980
67)	TP	Ethyl methacry		0.146	0.180	0.170	0.191	0.221	0.225	0.221	0.193	15.62
68)	TP	1,1,2-Trichlor		0.139	0.182	0.164	0.169	0.182	0.181	0.178	0.171#	9.17
69)	TP	Chlorodibromom		0.217	0.281	0.263	0.279	0.314	0.325	0.322	0.286	13.51
70)	TP	1,3-Dichloropr		0.306	0.365	0.332	0.346	0.377	0.378	0.368	0.353	7.56
71)	TP	1,2-Dibromoethane		0.197	0.222	0.209	0.221	0.234	0.239	0.232	0.222	6.70
72)	TP	2-Hexanone		0.098	0.092	0.085	0.086	0.098	0.098	0.098	0.094	6.40
73)	TP	Chlorobenzene		0.768	0.976	0.819	0.798	0.855	0.874	0.847	0.848	7.88
74)	TC	Ethylbenzene		1.022	1.335	1.241	1.271	1.334	1.356	1.285	1.264	9.02
75)	TP	1,1,1,2-Tetrac		0.223	0.290	0.275	0.293	0.331	0.340	0.336	0.298	14.01
76)	TP	p/m Xylene		0.396	0.554	0.537	0.532	0.558	0.567	0.535	0.525	11.13
77)	TP	o Xylene		0.392	0.543	0.521	0.517	0.539	0.547	0.520	0.511	10.54
78)	TP	Styrene		0.657	0.931	0.899	0.877	0.909	0.893	0.737	0.843	12.34
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.215	0.240	0.221	0.253	0.305	0.327	0.319	0.269	17.65
82)	TP	Isopropylbenzene		1.606	2.387	2.099	2.184	2.386	2.532	2.263	2.208	13.67
83)	S	4-Bromofluorobenzene	0.788	0.765	0.756	0.720	0.727	0.727	0.746	0.727	0.745	3.18
84)	TP	Bromobenzene		0.671	0.788	0.605	0.611	0.657	0.696	0.651	0.668	9.21

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2319240**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31 TASK 911**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL19890**
Calibration dates	**: 04/05/23 22:11 04/06/23 01:18**		

Calibration Files
L11 =V08230405N04.d L1 =V08230405N06.d L2 =V08230405N08.d L3 =V08230405N09.d L4 =V08230405N10.d
L6 =V08230405N11.d L8 =V08230405N12.d L10 =V08230405N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85)	TP	n-Propylbenzene		2.133	2.898	2.539	2.597	2.784	2.917		2.645	11.12
86)	TP	1,4-Dichlorobu		0.572	0.576	0.488	0.504	0.556	0.580	0.550	0.547	6.67
87)	TP	1,1,2,2-Tetrac		0.408	0.449	0.354	0.373	0.401	0.427	0.393	0.401	7.93
88)	TP	4-Ethyltoluene		1.782	2.407	2.160	2.282	2.482	2.615	2.267	2.285	11.73
89)	TP	2-Chlorotoluene		1.628	2.139	1.785	1.796	1.910	2.004	1.837	1.871	8.84
90)	TP	1,3,5-Trimethy		1.383	1.926	1.788	1.869	2.083	2.198	2.003	1.893	13.88
91)	TP	1,2,3-Trichlor		0.307	0.340	0.279	0.284	0.316	0.327	0.308	0.309	7.11
92)	TP	trans-1,4-Dich		0.111	0.116	0.092	0.100	0.115	0.120	0.108	0.109	9.07
93)	TP	4-Chlorotoluene		1.480	1.864	1.592	1.610	1.730	1.817	1.649	1.678	8.02
94)	TP	tert-Butylbenzene		1.275	1.844	1.659	1.761	1.905	2.028	1.874	1.764	13.86
97)	TP	1,2,4-Trimethy		1.324	1.845	1.706	1.855	2.065	2.185	1.994	1.854	15.21
98)	TP	sec-Butylbenzene		1.656	2.584	2.412	2.465	2.647	2.780	2.357	2.414	15.10
99)	TP	p-Isopropyltol		1.492	2.252	2.120	2.285	2.522	2.646	2.250	2.224	16.60
100)	TP	1,3-Dichlorobe		1.282	1.611	1.267	1.269	1.355	1.398	1.299	1.354	9.10
101)	TP	1,4-Dichlorobe		1.263	1.635	1.264	1.266	1.348	1.412	1.311	1.357	9.89
102)	TP	p-Diethylbenzene		1.005	1.355	1.256	1.373	1.553	1.654	1.586	1.397	16.07
103)	TP	n-Butylbenzene		1.407	1.948	1.793	1.844	2.003	2.116	1.931	1.863	12.17
104)	TP	1,2-Dichlorobe		1.226	1.325	1.157	1.165	1.248	1.296	1.216	1.233	5.04
105)	TP	1,2,4,5-Tetram		1.491	1.911	1.713	2.010	2.344	2.543	2.188	2.029	17.91
106)	TP	1,2-Dibromo-3-		0.067	0.071	0.058	0.068	0.074	0.079	0.080	0.071	10.58
107)	TP	1,3,5-Trichlor		0.948	1.079	0.904	0.931	1.020	1.104	1.062	1.007	7.86
108)	TP	Hexachlorobuta		0.371	0.463	0.382	0.389	0.419	0.457	0.440	0.417	8.96
109)	TP	1,2,4-Trichlor		0.843	0.993	0.771	0.810	0.886	0.960	0.926	0.884	9.16
110)	TP	Naphthalene		1.368	1.551	1.329	1.529	1.715	1.839	1.707	1.577	11.93
111)	TP	1,2,3-Trichlor		0.744	0.904	0.743	0.761	0.820	0.874	0.834	0.811	7.92

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2319240	
Project Name	: TROY BELTING		Project Number	: 2011-31 TASK 911	
Instrument ID	: VOA108		Calibration Date	: 04/19/23 08:18	
Lab File ID	: V08230419A01		Init. Calib. Date(s)	: 04/05/23	04/06/23
Sample No	: WG1769022-2		Init. Calib. Times	: 22:11	01:18
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	81	0
Dichlorodifluoromethane	0.211	0.29	-	-37.4*	20	101	0
Chloromethane	0.281	0.362	-	-28.8*	20	95	0
Vinyl chloride	0.25	0.305	-	-22*	20	91	0
Bromomethane	0.17	0.141	-	17.1	20	74	0
Chloroethane	0.196	0.213	-	-8.7	20	87	0
Trichlorofluoromethane	0.385	0.431	-	-11.9	20	83	0
Ethyl ether	0.097	0.093	-	4.1	20	77	0
1,1-Dichloroethene	0.236	0.244	-	-3.4	20	80	0
Carbon disulfide	0.72	0.776	-	-7.8	20	84	0
Freon-113	0.242	0.266	-	-9.9	20	80	0
Acrolein	0.028	0.033	-	-17.9	20	92	0
Methylene chloride	0.27	0.273	-	-1.1	20	81	0
Acetone	0.052	0.049	-	5.8	20	79	0
trans-1,2-Dichloroethene	0.27	0.265	-	1.9	20	77	0
Methyl acetate	0.118	0.114	-	3.4	20	83	0
Methyl tert-butyl ether	0.447	0.384	-	14.1	20	74	0
tert-Butyl alcohol	0.013	0.012	-	7.7	20	79	-.01
Diisopropyl ether	0.736	0.686	-	6.8	20	80	0
1,1-Dichloroethane	0.486	0.501	-	-3.1	20	82	0
Halothane	0.217	0.201	-	7.4	20	71	0
Acrylonitrile	0.065	0.062	-	4.6	20	85	-.01
Ethyl tert-butyl ether	0.656	0.547	-	16.6	20	73	0
Vinyl acetate	0.385	0.37	-	3.9	20	86	0
cis-1,2-Dichloroethene	0.294	0.297	-	-1	20	83	0
2,2-Dichloropropane	0.328	0.372	-	-13.4	20	95	-.01
Bromochloromethane	0.158	0.157	-	0.6	20	78	0
Cyclohexane	0.368	0.404	-	-9.8	20	87	-.01
Chloroform	0.485	0.528	-	-8.9	20	88	0
Ethyl acetate	0.129	0.135	-	-4.7	20	93	0
Carbon tetrachloride	0.341	0.388	-	-13.8	20	86	0
Tetrahydrofuran	0.036	0.033	-	8.3	20	85	0
Dibromofluoromethane	0.364	0.355	-	2.5	20	77	0
1,1,1-Trichloroethane	0.389	0.43	-	-10.5	20	86	0
2-Butanone	0.064	0.067	-	-4.7	20	91	0
1,1-Dichloropropene	0.284	0.286	-	-0.7	20	83	0
Benzene	0.883	0.973	-	-10.2	20	88	0
tert-Amyl methyl ether	0.457	0.383	-	16.2	20	78	0
1,2-Dichloroethane-d4	0.33	0.331	-	-0.3	20	80	0
1,2-Dichloroethane	0.339	0.357	-	-5.3	20	87	0
Methyl cyclohexane	0.354	0.342	-	3.4	20	80	0
Trichloroethene	0.256	0.283	-	-10.5	20	85	0
Dibromomethane	0.148	0.154	-	-4.1	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2319240	
Project Name	: TROY BELTING		Project Number	: 2011-31 TASK 911	
Instrument ID	: VOA108		Calibration Date	: 04/19/23 08:18	
Lab File ID	: V08230419A01		Init. Calib. Date(s)	: 04/05/23	04/06/23
Sample No	: WG1769022-2		Init. Calib. Times	: 22:11	01:18
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.251	0.265	-	-5.6	20	89	0
Bromodichloromethane	0.338	0.347	-	-2.7	20	85	0
1,4-Dioxane	0.00137	0.00128*	-	6.6	20	80	0
cis-1,3-Dichloropropene	0.339	0.308	-	9.1	20	83	0
Chlorobenzene-d5	1	1	-	0	20	78	0
Toluene-d8	1.165	1.161	-	0.3	20	78	0
Toluene	0.672	0.705	-	-4.9	20	83	0
4-Methyl-2-pentanone	0.052	0.048	-	7.7	20	79	0
Tetrachloroethene	0.331	0.327	-	1.2	20	78	0
trans-1,3-Dichloropropene	10	9.193	-	8.1	20	89	0
Ethyl methacrylate	0.193	0.178	-	7.8	20	82	0
1,1,2-Trichloroethane	0.171	0.178*	-	-4.1	20	85	0
Chlorodibromomethane	0.286	0.258	-	9.8	20	77	0
1,3-Dichloropropane	0.353	0.361	-	-2.3	20	85	0
1,2-Dibromoethane	0.222	0.213	-	4.1	20	80	0
2-Hexanone	0.094	0.089	-	5.3	20	82	0
Chlorobenzene	0.848	0.857	-	-1.1	20	82	0
Ethylbenzene	1.264	1.308	-	-3.5	20	83	0
1,1,1,2-Tetrachloroethane	0.298	0.289	-	3	20	82	0
p/m Xylene	0.525	0.566	-	-7.8	20	83	0
o Xylene	0.511	0.532	-	-4.1	20	80	0
Styrene	0.843	0.93	-	-10.3	20	81	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	76	0
Bromoform	0.269	0.222	-	17.5	20	76	0
Isopropylbenzene	2.208	2.29	-	-3.7	20	83	0
4-Bromofluorobenzene	0.745	0.716	-	3.9	20	75	0
Bromobenzene	0.668	0.622	-	6.9	20	78	0
n-Propylbenzene	2.645	2.843	-	-7.5	20	85	0
1,4-Dichlorobutane	0.547	0.566	-	-3.5	20	88	0
1,1,2,2-Tetrachloroethane	0.401	0.407	-	-1.5	20	87	0
4-Ethyltoluene	2.285	2.389	-	-4.6	20	84	0
2-Chlorotoluene	1.871	2.031	-	-8.6	20	86	0
1,3,5-Trimethylbenzene	1.893	1.996	-	-5.4	20	85	0
1,2,3-Trichloropropane	0.309	0.31	-	-0.3	20	84	0
trans-1,4-Dichloro-2-buten	0.109	0.111	-	-1.8	20	91	0
4-Chlorotoluene	1.678	1.746	-	-4.1	20	83	0
tert-Butylbenzene	1.764	1.746	-	1	20	80	0
1,2,4-Trimethylbenzene	1.854	1.919	-	-3.5	20	85	0
sec-Butylbenzene	2.414	2.681	-	-11.1	20	84	0
p-Isopropyltoluene	2.224	2.283	-	-2.7	20	82	0
1,3-Dichlorobenzene	1.354	1.371	-	-1.3	20	82	0
1,4-Dichlorobenzene	1.357	1.361	-	-0.3	20	82	0
p-Diethylbenzene	1.397	1.319	-	5.6	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2319240		
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911		
Instrument ID	: VOA108	**Calibration Date**	: 04/19/23 08:18		
Lab File ID	: V08230419A01	**Init. Calib. Date(s)**	: 04/05/23	04/06/23	
Sample No	: WG1769022-2	**Init. Calib. Times**	: 22:11	01:18	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.863	2.086	-	-12	20	88	0
1,2-Dichlorobenzene	1.233	1.23	-	0.2	20	81	0
1,2,4,5-Tetramethylbenzene	2.029	1.727	-	14.9	20	76	0
1,2-Dibromo-3-chloropropan	0.071	0.062	-	12.7	20	80	0
1,3,5-Trichlorobenzene	1.007	0.909	-	9.7	20	76	0
Hexachlorobutadiene	0.417	0.395	-	5.3	20	78	0
1,2,4-Trichlorobenzene	0.884	0.773	-	12.6	20	76	0
Naphthalene	1.577	1.332	-	15.5	20	76	0
1,2,3-Trichlorobenzene	0.811	0.719	-	11.3	20	73	0

* Value outside of QC limits.

1,4-Dioxane

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D SIM 1,4-Dioxane
Data for Alpha Analytical, SDG Number: L2319240

7 Ground Water Samples and 1 Field Duplicate
Collected April 11, 2023

Prepared by: Donald Anné
May 1, 2023

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %RSD was below the allowable maximum (30%), as required.

Continuing Calibration: The RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %D was below the allowable maximum (25%), as required.

Blanks: The analyses of the method blanks reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-6D.

Laboratory Control Sample: The relative percent differences for 1,4-dioxane were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples WG1767229-2/3 and WG1767657-2/3.

Field Duplicates: The analyses of aqueous field duplicate MW-7D/DUP04112023 reported 1,4-dioxane as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked surrogate and 1,4-dioxane results were within quantitation limits.

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Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2319240

S1= MW-7D **S2=** DUP04112023

Analyte	S1	S2	RPD (%)
Benzene	**0.2**	**0.19**	NC

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

ALPHA
GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

September 29, 2023

Mr. Paul W. Scholar
Senior Geologist
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: Data Validation Report
Troy Belting (2011-31 task 911)
September 2023 Ground Water Sampling Event

Dear Mr. Scholar:

The data usability summary report (DUSR) and QA/QC reviews are attached to this letter for the September 2023 ground water sampling event. The data for Alpha Analytical, SDG number: L2353445 are acceptable with some minor issues identified and discussed in the DUSR and validation summaries. There are no data that are qualified as rejected, unusable (R) in the data pack.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Sterling Environmental Engineering, P.C.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

attachments

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ALPHA GEOSCIENCE

Geology

Hydrology

Remediation

Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2353445

7 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected September 13, 2023

Prepared by: Donald Anné
September 29, 2023

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile and 1,4-dioxane by 8270 SIM results for 7 ground water samples and 1 field duplicate, and results of volatiles for1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile result for vinyl chloride was qualified as "estimated" (J) for sample MW-4S because the %D for vinyl chloride was above the allowable maximum in the associated continuing calibration.

All data are considered usable with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-01	Date Collected	: 09/13/23 09:40
Client ID	: MW-7D	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 08:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A09	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-01	Date Collected	: 09/13/23 09:40
Client ID	: MW-7D	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 08:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A09	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-01	Date Collected	: 09/13/23 09:40
Client ID	: MW-7D	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 08:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A09	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-02	Date Collected	: 09/13/23 10:15
Client ID	: MW-7S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 08:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	0.11	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-02	Date Collected	: 09/13/23 10:15
Client ID	: MW-7S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 08:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.9	2.5	0.70	J
540-59-0	1,2-Dichloroethene, Total	1.9	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-02	Date Collected	: 09/13/23 10:15
Client ID	: MW-7S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 08:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A10	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-03	Date Collected	: 09/13/23 11:10
Client ID	: MW-8S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 09:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	17	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-03	Date Collected	: 09/13/23 11:10
Client ID	: MW-8S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 09:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	5.2	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	5.2	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-03	Date Collected	: 09/13/23 11:10
Client ID	: MW-8S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 09:20
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-04D	Date Collected	: 09/13/23 12:20
Client ID	: MW-6D'	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:04
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A13	Instrument ID	: VOA130
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	4.3	6.2	1.8	J
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	ND	1.2	0.45	U
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
542-75-6	1,3-Dichloropropene, Total	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	250	2.5	0.18	
75-00-3	Chloroethane	ND	6.2	1.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-04D	Date Collected	: 09/13/23 12:20
Client ID	: MW-6D'	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:04
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A13	Instrument ID	: VOA130
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	0.71	1.2	0.42	J
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	ND	1.2	0.44	U
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	1.8	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
1330-20-7	Xylenes, Total	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	440	6.2	1.8	
540-59-0	1,2-Dichloroethene, Total	440	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
104-51-8	n-Butylbenzene	ND	6.2	1.8	U
135-98-8	sec-Butylbenzene	ND	6.2	1.8	U
98-06-6	tert-Butylbenzene	ND	6.2	1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-04D	Date Collected	: 09/13/23 12:20
Client ID	: MW-6D'	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:04
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A13	Instrument ID	: VOA130
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
99-87-6	p-Isopropyltoluene	ND	6.2	1.8	U
91-20-3	Naphthalene	ND	6.2	1.8	U
103-65-1	n-Propylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
108-67-8	1,3,5-Trimethylbenzene	ND	6.2	1.8	U
95-63-6	1,2,4-Trimethylbenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-05D	Date Collected	: 09/13/23 13:05
Client ID	: MW-6S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:26
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A14	Instrument ID	: VOA130
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	50	14.	U
75-34-3	1,1-Dichloroethane	42	50	14.	J
67-66-3	Chloroform	ND	50	14.	U
56-23-5	Carbon tetrachloride	ND	10	2.7	U
78-87-5	1,2-Dichloropropane	ND	20	2.7	U
124-48-1	Dibromochloromethane	ND	10	3.0	U
79-00-5	1,1,2-Trichloroethane	ND	30	10.	U
127-18-4	Tetrachloroethene	ND	10	3.6	U
108-90-7	Chlorobenzene	ND	50	14.	U
75-69-4	Trichlorofluoromethane	ND	50	14.	U
107-06-2	1,2-Dichloroethane	ND	10	2.6	U
71-55-6	1,1,1-Trichloroethane	ND	50	14.	U
75-27-4	Bromodichloromethane	ND	10	3.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.3	U
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.9	U
542-75-6	1,3-Dichloropropene, Total	ND	10	2.9	U
75-25-2	Bromoform	ND	40	13.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.3	U
71-43-2	Benzene	ND	10	3.2	U
108-88-3	Toluene	ND	50	14.	U
100-41-4	Ethylbenzene	ND	50	14.	U
74-87-3	Chloromethane	ND	50	14.	U
74-83-9	Bromomethane	ND	50	14.	U
75-01-4	Vinyl chloride	950	20	1.4	
75-00-3	Chloroethane	ND	50	14.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-05D	Date Collected	: 09/13/23 13:05
Client ID	: MW-6S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:26
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A14	Instrument ID	: VOA130
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	5.6	10	3.4	J
156-60-5	trans-1,2-Dichloroethene	ND	50	14.	U
79-01-6	Trichloroethene	ND	10	3.5	U
95-50-1	1,2-Dichlorobenzene	ND	50	14.	U
541-73-1	1,3-Dichlorobenzene	ND	50	14.	U
106-46-7	1,4-Dichlorobenzene	ND	50	14.	U
1634-04-4	Methyl tert butyl ether	ND	50	14.	U
179601-23-1	p/m-Xylene	ND	50	14.	U
95-47-6	o-Xylene	ND	50	14.	U
1330-20-7	Xylenes, Total	ND	50	14.	U
156-59-2	cis-1,2-Dichloroethene	2200	50	14.	
540-59-0	1,2-Dichloroethene, Total	2200	50	14.	
100-42-5	Styrene	ND	50	14.	U
75-71-8	Dichlorodifluoromethane	ND	100	20.	U
67-64-1	Acetone	ND	100	29.	U
75-15-0	Carbon disulfide	ND	100	20.	U
78-93-3	2-Butanone	ND	100	39.	U
108-10-1	4-Methyl-2-pentanone	ND	100	20.	U
591-78-6	2-Hexanone	ND	100	20.	U
74-97-5	Bromochloromethane	ND	50	14.	U
106-93-4	1,2-Dibromoethane	ND	40	13.	U
104-51-8	n-Butylbenzene	ND	50	14.	U
135-98-8	sec-Butylbenzene	ND	50	14.	U
98-06-6	tert-Butylbenzene	ND	50	14.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	14.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-05D	Date Collected	: 09/13/23 13:05
Client ID	: MW-6S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:26
Sample Matrix	: WATER	Dilution Factor	: 20
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A14	Instrument ID	: VOA130
Sample Amount	: 0.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-82-8	Isopropylbenzene	ND	50	14.	U
99-87-6	p-Isopropyltoluene	ND	50	14.	U
91-20-3	Naphthalene	ND	50	14.	U
103-65-1	n-Propylbenzene	ND	50	14.	U
87-61-6	1,2,3-Trichlorobenzene	ND	50	14.	U
120-82-1	1,2,4-Trichlorobenzene	ND	50	14.	U
108-67-8	1,3,5-Trimethylbenzene	ND	50	14.	U
95-63-6	1,2,4-Trimethylbenzene	ND	50	14.	U
79-20-9	Methyl Acetate	ND	40	4.7	U
110-82-7	Cyclohexane	ND	200	5.4	U
123-91-1	1,4-Dioxane	ND	5000	1200	U
76-13-1	Freon-113	ND	50	14.	U
108-87-2	Methyl cyclohexane	ND	200	7.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-06D	Date Collected	: 09/13/23 14:10
Client ID	: MW-6D	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:48
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A15	Instrument ID	: VOA130
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	250	70.	U
75-34-3	1,1-Dichloroethane	84	250	70.	J
67-66-3	Chloroform	ND	250	70.	U
56-23-5	Carbon tetrachloride	ND	50	13.	U
78-87-5	1,2-Dichloropropane	ND	100	14.	U
124-48-1	Dibromochloromethane	ND	50	15.	U
79-00-5	1,1,2-Trichloroethane	ND	150	50.	U
127-18-4	Tetrachloroethene	ND	50	18.	U
108-90-7	Chlorobenzene	ND	250	70.	U
75-69-4	Trichlorofluoromethane	ND	250	70.	U
107-06-2	1,2-Dichloroethane	ND	50	13.	U
71-55-6	1,1,1-Trichloroethane	ND	250	70.	U
75-27-4	Bromodichloromethane	ND	50	19.	U
10061-02-6	trans-1,3-Dichloropropene	ND	50	16.	U
10061-01-5	cis-1,3-Dichloropropene	ND	50	14.	U
542-75-6	1,3-Dichloropropene, Total	ND	50	14.	U
75-25-2	Bromoform	ND	200	65.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	17.	U
71-43-2	Benzene	ND	50	16.	U
108-88-3	Toluene	ND	250	70.	U
100-41-4	Ethylbenzene	ND	250	70.	U
74-87-3	Chloromethane	ND	250	70.	U
74-83-9	Bromomethane	ND	250	70.	U
75-01-4	Vinyl chloride	2700	100	7.1	
75-00-3	Chloroethane	ND	250	70.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-06D	Date Collected	: 09/13/23 14:10
Client ID	: MW-6D	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:48
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A15	Instrument ID	: VOA130
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	22	50	17.	J
156-60-5	trans-1,2-Dichloroethene	ND	250	70.	U
79-01-6	Trichloroethene	ND	50	18.	U
95-50-1	1,2-Dichlorobenzene	ND	250	70.	U
541-73-1	1,3-Dichlorobenzene	ND	250	70.	U
106-46-7	1,4-Dichlorobenzene	ND	250	70.	U
1634-04-4	Methyl tert butyl ether	ND	250	70.	U
179601-23-1	p/m-Xylene	ND	250	70.	U
95-47-6	o-Xylene	ND	250	70.	U
1330-20-7	Xylenes, Total	ND	250	70.	U
156-59-2	cis-1,2-Dichloroethene	8800	250	70.	
540-59-0	1,2-Dichloroethene, Total	8800	250	70.	
100-42-5	Styrene	ND	250	70.	U
75-71-8	Dichlorodifluoromethane	ND	500	100	U
67-64-1	Acetone	210	500	150	J
75-15-0	Carbon disulfide	ND	500	100	U
78-93-3	2-Butanone	ND	500	190	U
108-10-1	4-Methyl-2-pentanone	ND	500	100	U
591-78-6	2-Hexanone	ND	500	100	U
74-97-5	Bromochloromethane	ND	250	70.	U
106-93-4	1,2-Dibromoethane	ND	200	65.	U
104-51-8	n-Butylbenzene	ND	250	70.	U
135-98-8	sec-Butylbenzene	ND	250	70.	U
98-06-6	tert-Butylbenzene	ND	250	70.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	70.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-06D	Date Collected	: 09/13/23 14:10
Client ID	: MW-6D	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 10:48
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A15	Instrument ID	: VOA130
Sample Amount	: 0.1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-82-8	Isopropylbenzene	ND	250	70.	U
99-87-6	p-Isopropyltoluene	ND	250	70.	U
91-20-3	Naphthalene	ND	250	70.	U
103-65-1	n-Propylbenzene	ND	250	70.	U
87-61-6	1,2,3-Trichlorobenzene	ND	250	70.	U
120-82-1	1,2,4-Trichlorobenzene	ND	250	70.	U
108-67-8	1,3,5-Trimethylbenzene	ND	250	70.	U
95-63-6	1,2,4-Trimethylbenzene	ND	250	70.	U
79-20-9	Methyl Acetate	ND	200	23.	U
110-82-7	Cyclohexane	ND	1000	27.	U
123-91-1	1,4-Dioxane	ND	25000	6100	U
76-13-1	Freon-113	ND	250	70.	U
108-87-2	Methyl cyclohexane	ND	1000	40.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-07D	Date Collected	: 09/13/23 15:00
Client ID	: MW-4S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/23 21:44
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30230916A25	Instrument ID	: VOA130
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	120	35.	U	
75-34-3	1,1-Dichloroethane	56	120	35.	J	
67-66-3	Chloroform	ND	120	35.	U	
56-23-5	Carbon tetrachloride	ND	25	6.7	U	
78-87-5	1,2-Dichloropropane	ND	50	6.8	U	
124-48-1	Dibromochloromethane	ND	25	7.4	U	
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U	
127-18-4	Tetrachloroethene	ND	25	9.0	U	
108-90-7	Chlorobenzene	ND	120	35.	U	
75-69-4	Trichlorofluoromethane	ND	120	35.	U	
107-06-2	1,2-Dichloroethane	ND	25	6.6	U	
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U	
75-27-4	Bromodichloromethane	ND	25	9.6	U	
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U	
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U	
542-75-6	1,3-Dichloropropene, Total	ND	25	7.2	U	
75-25-2	Bromoform	ND	100	32.	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U	
71-43-2	Benzene	ND	25	8.0	U	
108-88-3	Toluene	ND	120	35.	U	
100-41-4	Ethylbenzene	ND	120	35.	U	
74-87-3	Chloromethane	ND	120	35.	U	
74-83-9	Bromomethane	ND	120	35.	U	
75-01-4	Vinyl chloride	570	50	3.6		J
75-00-3	Chloroethane	ND	120	35.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-07D	Date Collected	: 09/13/23 15:00
Client ID	: MW-4S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/23 21:44
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30230916A25	Instrument ID	: VOA130
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	12	25	8.4	J
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	ND	25	8.8	U
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
1330-20-7	Xylenes, Total	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	5900	120	35.	
540-59-0	1,2-Dichloroethene, Total	5900	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
104-51-8	n-Butylbenzene	ND	120	35.	U
135-98-8	sec-Butylbenzene	ND	120	35.	U
98-06-6	tert-Butylbenzene	ND	120	35.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-07D	Date Collected	: 09/13/23 15:00
Client ID	: MW-4S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/16/23 21:44
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30230916A25	Instrument ID	: VOA130
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-82-8	Isopropylbenzene	ND	120	35.	U
99-87-6	p-Isopropyltoluene	ND	120	35.	U
91-20-3	Naphthalene	ND	120	35.	U
103-65-1	n-Propylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
108-67-8	1,3,5-Trimethylbenzene	ND	120	35.	U
95-63-6	1,2,4-Trimethylbenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-08	Date Collected	: 09/13/23 00:00
Client ID	: DUP09132023	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 09:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	17	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-08	Date Collected	: 09/13/23 00:00
Client ID	: DUP09132023	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 09:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	4.9	2.5	0.70	
540-59-0	1,2-Dichloroethene, Total	4.9	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-08	Date Collected	: 09/13/23 00:00
Client ID	: DUP09132023	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 09:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-09	Date Collected	: 09/13/23 00:00
Client ID	: TB09132023	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 07:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A07	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-09	Date Collected	: 09/13/23 00:00
Client ID	: TB09132023	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/15/23 07:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: LAC
Lab File ID	: V30230915A07	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2353445-09	**Date Collected**	: 09/13/23 00:00
Client ID	: TB09132023	**Date Received**	: 09/13/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/15/23 07:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: LAC
Lab File ID	: V30230915A07	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2353445-01	**Date Collected**	: 09/13/23 09:40
Client ID	: MW-7D	**Date Received**	: 09/13/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/22/23 17:16
Sample Matrix	: WATER	**Date Extracted**	: 09/20/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2209222332	**Analyst**	: TPR
Sample Amount	: 255 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	147	33.2	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-02	Date Collected	: 09/13/23 10:15
Client ID	: MW-7S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/22/23 17:37
Sample Matrix	: WATER	Date Extracted	: 09/20/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: F2209222333	Analyst	: TPR
Sample Amount	: 255 ml	Instrument ID	: PAH22
Extraction Method	: EPA 3510C	GC Column	: RTX-5
Extract Volume	: 2500 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
123-91-1	1,4-Dioxane	ND	147	33.2	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2353445-03	**Date Collected**	: 09/13/23 11:10
Client ID	: MW-8S	**Date Received**	: 09/13/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/22/23 17:58
Sample Matrix	: WATER	**Date Extracted**	: 09/20/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2209222334	**Analyst**	: TPR
Sample Amount	: 255 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	5150	147	33.2	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2353445-04	**Date Collected**	: 09/13/23 12:20
Client ID	: MW-6D'	**Date Received**	: 09/13/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/22/23 18:18
Sample Matrix	: WATER	**Date Extracted**	: 09/20/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2209222335	**Analyst**	: TPR
Sample Amount	: 255 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	512.	147	33.2	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-05	Date Collected	: 09/13/23 13:05
Client ID	: MW-6S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/22/23 18:38
Sample Matrix	: WATER	Date Extracted	: 09/20/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: F2209222336	Analyst	: TPR
Sample Amount	: 265 ml	Instrument ID	: PAH22
Extraction Method	: EPA 3510C	GC Column	: RTX-5
Extract Volume	: 2500 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
123-91-1	1,4-Dioxane	23300	142	32.0	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2353445-06	**Date Collected**	: 09/13/23 14:10
Client ID	: MW-6D	**Date Received**	: 09/13/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/22/23 19:38
Sample Matrix	: WATER	**Date Extracted**	: 09/20/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2209222339	**Analyst**	: TPR
Sample Amount	: 265 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	34800	142	32.0	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	Lab Number	: L2353445
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2353445-07	Date Collected	: 09/13/23 15:00
Client ID	: MW-4S	Date Received	: 09/13/23
Sample Location	: COLONIE, NY	Date Analyzed	: 09/22/23 19:58
Sample Matrix	: WATER	Date Extracted	: 09/20/23
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: F2209222340	Analyst	: TPR
Sample Amount	: 245 ml	Instrument ID	: PAH22
Extraction Method	: EPA 3510C	GC Column	: RTX-5
Extract Volume	: 2500 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
123-91-1	1,4-Dioxane	22300	153	34.6	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2353445-08	**Date Collected**	: 09/13/23 00:00
Client ID	: DUP09132023	**Date Received**	: 09/13/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 09/22/23 20:18
Sample Matrix	: WATER	**Date Extracted**	: 09/20/23
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2209222341	**Analyst**	: TPR
Sample Amount	: 255 ml	**Instrument ID**	: PAH22
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	5000	147	33.2	

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2353445

7 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected September 13, 2023

Prepared by: Donald Anné
September 29, 2023

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for 12 compounds (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for VOA130 on 09-13-23. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 12 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 09-15-23 (V30230915A01). The RRFs for 12 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 09-16-23 (V30230916A01). The %D for trichlorofluoromethane was above the method maximum on 09-15-23 (V30230915A01). The %D for vinyl chloride was above the method maximum on 09-16-23 (V30230916A01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

The %D for trichlorofluoromethane was above the allowable maximum (20%) on 09-15-23 (V30230915A01). The %D for vinyl chloride was above the allowable maximum (20%) on 09-16-23 (V30230916A01). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and trip blank reported target compounds as not detected.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for applicable compounds were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-6S.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within the QC limits for aqueous samples WG1828105-10/11.

The %Rs for target compounds were within QC limits, but the RPD for 1,2-dibromo-3-chloropropane was above the allowable maximum aqueous samples WG1828105-3/4. Positive results for 1,2-dibromo-3-chloropropane should be considered estimated (J) in associated samples.

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (20%) for aqueous field duplicate pair MW-8S/DUP09132023 (attached table), as required.

Compound ID: Checked compound and surrogate results were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1828105-3	**Analysis Date** : 09/15/23 05:41	**File ID** : V30230915A01
LCSD Sample ID	: WG1828105-4	**Analysis Date** : 09/15/23 06:03	**File ID** : V30230915A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	11	110	10	70-130	20
1,1-Dichloroethane	10	10	100	10	11	110	10	70-130	20
Chloroform	10	10	100	10	11	110	10	70-130	20
Carbon tetrachloride	10	9.7	97	10	11	110	13	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	10	100	10	11	110	10	63-130	20
1,1,2-Trichloroethane	10	11	110	10	11	110	0	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	10	12	120	10	14	140	15	62-150	20
1,2-Dichloroethane	10	10	100	10	11	110	10	70-130	20
1,1,1-Trichloroethane	10	10	100	10	11	110	10	67-130	20
Bromodichloromethane	10	10	100	10	11	110	10	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	12	120	9	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	11	110	10	70-130	20
Bromoform	10	9.1	91	10	9.8	98	7	54-136	20
1,1,2,2-Tetrachloroethane	10	11	110	10	13	130	17	67-130	20
Benzene	10	10	100	10	11	110	10	70-130	20
Toluene	10	10	100	10	11	110	10	70-130	20
Ethylbenzene	10	10	100	10	11	110	10	70-130	20
Chloromethane	10	9.8	98	10	10	100	2	64-130	20
Bromomethane	10	8.1	81	10	9.2	92	13	39-139	20
Vinyl chloride	10	12	120	10	13	130	8	55-140	20
Chloroethane	10	11	110	10	13	130	17	55-138	20
1,1-Dichloroethene	10	10	100	10	12	120	18	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	11	110	10	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1828105-3 **Analysis Date** : 09/15/23 05:41	**File ID**	: V30230915A01
LCSD Sample ID	: WG1828105-4 **Analysis Date** : 09/15/23 06:03	**File ID**	: V30230915A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.8	98	10	11	110	12	70-130	20
1,2-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	10	11	110	10	12	120	9	63-130	20
p/m-Xylene	20	20	100	20	22	110	10	70-130	20
o-Xylene	20	20	100	20	21	105	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	12	120	18	70-130	20
Styrene	20	20	100	20	21	105	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	12	120	18	36-147	20
Acetone	10	11	110	10	13	130	17	58-148	20
Carbon disulfide	10	10	100	10	10	100	0	51-130	20
2-Butanone	10	11	110	10	13	130	17	63-138	20
4-Methyl-2-pentanone	10	10	100	10	12	120	18	59-130	20
2-Hexanone	10	10	100	10	12	120	18	57-130	20
Bromochloromethane	10	10	100	10	12	120	18	70-130	20
1,2-Dibromoethane	10	11	110	10	12	120	9	70-130	20
n-Butylbenzene	10	11	110	10	11	110	0	53-136	20
sec-Butylbenzene	10	10	100	10	11	110	10	70-130	20
tert-Butylbenzene	10	10	100	10	11	110	10	70-130	20
1,2-Dibromo-3-chloropropane	10	9.6	96	10	12	120	22 Q	41-144	20
Isopropylbenzene	10	10	100	10	12	120	18	70-130	20
p-Isopropyltoluene	10	10	100	10	11	110	10	70-130	20
Naphthalene	10	10	100	10	12	120	18	70-130	20
n-Propylbenzene	10	11	110	10	12	120	9	69-130	20
1,2,3-Trichlorobenzene	10	10	100	10	11	110	10	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1828105-3 **Analysis Date** : 09/15/23 05:41	**File ID**	: V30230915A01
LCSD Sample ID	: WG1828105-4 **Analysis Date** : 09/15/23 06:03	**File ID**	: V30230915A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trichlorobenzene	10	11	110	10	12	120	9	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	11	110	10	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	11	110	10	70-130	20
Methyl Acetate	10	11	110	10	12	120	9	70-130	20
Cyclohexane	10	10	100	10	11	110	10	70-130	20
1,4-Dioxane	500	560	112	500	640	128	13	56-162	20
Freon-113	10	11	110	10	12	120	9	70-130	20
Methyl cyclohexane	10	10	100	10	11	110	10	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Instrument ID	: VOA130	**Ical Ref**	: ICAL20364
Calibration dates	: 09/13/23 16:17 09/13/23 19:56		

Calibration Files
L11 =V30230913A03.D L1 =V30230913A05.D L2 =V30230913A07.D L3 =V30230913A09.D L4 =V30230913A10.D
L6 =V30230913A11.D L8 =V30230913A12.D L10 =V30230913A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.206	0.259	0.270	0.260	0.281	0.257	0.250	0.255	9.33
3)	TP	Chloromethane		0.188	0.230	0.206	0.187	0.202	0.185	0.181	0.197	8.66
4)	TC	Vinyl chloride	0.197	0.210	0.288	0.268	0.245	0.269	0.243	0.239	0.245	12.46
5)	TP	Bromomethane		0.326	0.371	0.295	0.257	0.279	0.254	0.247	0.290	15.59
6)	TP	Chloroethane		0.196	0.227	0.194	0.181	0.193	0.175	0.172	0.191	9.60
7)	TP	Trichlorofluor		0.372	0.517	0.506	0.478	0.521	0.468	0.459	0.474	10.82
8)	TP	Ethyl ether		0.109	0.125	0.117	0.109	0.117	0.111	0.110	0.114	5.40
10)	TC	1,1-Dichloroet		0.138	0.177	0.168	0.160	0.179	0.167	0.169	0.165	8.12
11)	TP	Carbon disulfide		0.461	0.503	0.446	0.422	0.471	0.444	0.455	0.457	5.54
12)	TP	Freon-113		0.115	0.185	0.184	0.179	0.198	0.184	0.188	0.176	15.57
13)	TP	Iodomethane		0.206	0.294	0.277	0.276	0.320	0.300	0.301	0.282	13.07
14)	TP	Acrolein			0.016	0.013	0.013	0.014	0.015	0.015	0.014	7.45
15)	TP	Methylene chlo		0.194	0.217	0.189	0.174	0.192	0.180	0.180	0.189	7.41
17)	TP	Acetone			0.045	0.031	0.027	0.028	0.028	0.028	*L	0.9995
18)	TP	trans-1,2-Dich		0.157	0.211	0.182	0.173	0.196	0.184	0.187	0.184	9.18
19)	TP	Methyl acetate			0.092	0.068	0.061	0.068	0.069	0.072	0.072	14.62
21)	TP	Methyl tert butyl ether		0.371	0.388	0.384	0.383	0.432	0.416	0.416	0.399	5.64
22)	TP	tert-Butyl alc		0.008	0.012	0.008	0.008	0.009	0.009	0.009	0.009#	12.76
24)	TP	Diisopropyl ether		0.432	0.518	0.456	0.433	0.495	0.462	0.465	0.466	6.74
25)	TP	1,1-Dichloroet		0.263	0.381	0.330	0.304	0.337	0.311	0.312	0.320	11.26
26)	TP	Halothane		0.107	0.146	0.142	0.140	0.158	0.146	0.147	0.141	11.28
27)	TP	Acrylonitrile		0.023	0.037	0.033	0.033	0.035	0.035	0.035	0.033	14.01
28)	TP	Ethyl tert-but		0.437	0.480	0.441	0.432	0.497	0.474	0.486	0.464	5.67
29)	TP	Vinyl acetate			0.211	0.176	0.186	0.196	0.178	0.195	0.190	6.91
30)	TP	cis-1,2-Dichlo		0.181	0.246	0.212	0.199	0.222	0.205	0.206	0.210	9.59
31)	TP	2,2-Dichloropr		0.237	0.310	0.278	0.269	0.299	0.274	0.271	0.277	8.45
33)	TP	Bromochloromet		0.088	0.108	0.101	0.096	0.108	0.102	0.104	0.101	6.85
34)	TP	Cyclohexane		0.186	0.264	0.272	0.274	0.309	0.285	0.285	0.268	14.48
35)	TC	Chloroform		0.310	0.401	0.345	0.320	0.353	0.328	0.328	0.341	8.90
36)	TP	Ethyl acetate			0.104	0.092	0.094	0.098	0.097	0.095	0.097	4.49
37)	TP	Carbon tetrachloride		0.187	0.253	0.256	0.261	0.294	0.271	0.270	0.256	13.05
38)	TP	Tetrahydrofuran			0.029	0.027	0.026	0.027	0.026	0.026	0.027	4.64
39)	S	Dibromofluoromethane	0.322	0.319	0.324	0.317	0.310	0.304	0.308	0.306	0.314	2.51
40)	TP	1,1,1-Trichlor		0.232	0.322	0.312	0.300	0.329	0.300	0.296	0.299	10.59
42)	TP	2-Butanone			0.049	0.043	0.039	0.041	0.041	0.041	0.042	8.64

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2353445
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Instrument ID	: VOA130	**Ical Ref**	: ICAL20364
Calibration dates	: 09/13/23 16:17 09/13/23 19:56		

Calibration Files
L11 =V30230913A03.D L1 =V30230913A05.D L2 =V30230913A07.D L3 =V30230913A09.D L4 =V30230913A10.D
L6 =V30230913A11.D L8 =V30230913A12.D L10 =V30230913A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.174	0.234	0.233	0.239	0.272	0.249	0.247	0.235	12.86
45) TP	Benzene	0.598	0.591	0.751	0.677	0.662	0.759	0.701	0.704	0.681	9.18
46) TP	Tertiary-Amyl Methyl Ether		0.436	0.474	0.426	0.419	0.469	0.449	0.454	0.446	4.68
47) S	1,2-Dichloroethane-d4	0.320	0.308	0.301	0.311	0.306	0.303	0.328	0.340	0.315	4.35
48) TP	1,2-Dichloroet		0.234	0.244	0.225	0.216	0.236	0.222	0.222	0.228	4.29
51) TP	Methyl cyclohe		0.190	0.289	0.295	0.305	0.350	0.327	0.334	0.299	17.70
52) TP	Trichloroethene	0.155	0.164	0.207	0.200	0.203	0.238	0.226	0.228	0.203	14.83
54) TP	Dibromomethane		0.101	0.119	0.109	0.106	0.115	0.109	0.109	0.110	5.42
55) TC	1,2-Dichloropr		0.138	0.175	0.165	0.162	0.183	0.168	0.166	0.165	8.54
57) TP	2-Chloroethyl		0.069	0.089	0.083	0.084	0.091	0.088	0.086	0.084	8.66
58) TP	Bromodichlorom		0.219	0.263	0.248	0.244	0.276	0.256	0.254	0.251#	7.13
61) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	6.86
62) TP	cis-1,3-Dichloropropene		0.229	0.272	0.258	0.262	0.303	0.284	0.285	0.270#	8.78
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.277	1.286	1.264	1.266	1.251	1.229	1.193	1.175	1.243	3.22
65) TC	Toluene		0.442	0.567	0.496	0.484	0.548	0.499	0.502	0.505	8.17
66) TP	4-Methyl-2-pen			0.043	0.041	0.041	0.043	0.041	0.040	0.041	3.52
67) TP	Tetrachloroethene		0.169	0.228	0.213	0.216	0.241	0.220	0.223	0.216	10.44
69) TP	trans-1,3-Dichloropropene	0.187	0.227	0.240	0.231	0.253	0.287	0.268	0.270	0.245#	12.80
71) TP	Ethyl methacry		0.193	0.203	0.182	0.181	0.194	0.183	0.181	0.188	4.63
72) TP	1,1,2-Trichlor		0.121	0.127	0.119	0.126	0.139	0.131	0.131	0.128#	5.23
73) TP	Chlorodibromom		0.143	0.169	0.168	0.185	0.215	0.201	0.201	0.183#	13.53
74) TP	1,3-Dichloropr		0.224	0.254	0.238	0.244	0.271	0.252	0.248	0.247	5.90
75) TP	1,2-Dibromoethane		0.133	0.158	0.147	0.154	0.171	0.160	0.157	0.154#	7.58
77) TP	2-Hexanone		0.088	0.094	0.074	0.073	0.074	0.070	0.067	0.077	12.63
78) T	Chlorobenzene		0.528	0.640	0.573	0.556	0.621	0.567	0.572	0.580	6.64
79) TC	Ethylbenzene	0.755	0.878	1.082	0.979	0.976	1.119	1.021	1.015	0.978	11.84
80) T	1,1,1,2-Tetrac		0.165	0.194	0.191	0.197	0.237	0.218	0.220	0.203	11.65
81) TP	p/m Xylene	0.324	0.339	0.437	0.397	0.407	0.480	0.438	0.445	0.408	13.15
82) TP	o Xylene		0.337	0.424	0.393	0.398	0.478	0.443	0.454	0.418	11.18
83) TP	Styrene	0.514	0.559	0.704	0.657	0.690	0.861	0.782	0.776	0.693	16.79
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.141	0.179	0.166	0.185	0.237	0.229	0.242	0.197	19.96
87) TP	Isopropylbenzene		1.372	1.832	1.658	1.585	1.799	1.623	1.620	1.641	9.24
88) S	4-Bromofluorobenzene	0.802	0.793	0.783	0.764	0.742	0.712	0.695	0.687	0.747	6.04
89) TP	Bromobenzene		0.419	0.482	0.416	0.384	0.423	0.384	0.397	0.415	8.14

Initial Calibration Summary
Form 6
Volatiles

Client	: **Sterling Environmental Engineering**	**Lab Number**	: **L2353445**
Project Name	: **TROY BELTING**	**Project Number**	: **2011-31**
Instrument ID	: **VOA130**	**Ical Ref**	: **ICAL20364**
Calibration dates	: **09/13/23 16:17 09/13/23 19:56**		

Calibration Files
L11 =V30230913A03.D L1 =V30230913A05.D L2 =V30230913A07.D L3 =V30230913A09.D L4 =V30230913A10.D
L6 =V30230913A11.D L8 =V30230913A12.D L10 =V30230913A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90)	TP	n-Propylbenzene		1.615	2.089	1.943	1.889	2.163	1.956	1.949	1.943	8.92
91)	TP	1,4-Dichlorobu		0.404	0.406	0.354	0.335	0.363	0.339	0.344	0.364	8.21
92)	TP	1,1,2,2-Tetrac		0.330	0.347	0.270	0.263	0.274	0.251	0.256	0.284	13.39
93)	TP	4-Ethyltoluene		1.384	1.865	1.684	1.629	1.832	1.657	1.649	1.671	9.42
94)	TP	2-Chlorotoluene		1.024	1.324	1.133	1.092	1.239	1.110	1.123	1.149	8.70
95)	TP	1,3,5-Trimethy		1.258	1.583	1.456	1.424	1.623	1.462	1.473	1.468	8.04
96)	TP	1,2,3-Trichlor		0.238	0.265	0.224	0.223	0.238	0.229	0.233	0.236	5.98
97)	TP	trans-1,4-Dich		0.092	0.092	0.078	0.078	0.083	0.079	0.076	0.083	8.35
98)	TP	4-Chlorotoluene		1.095	1.326	1.184	1.158	1.281	1.151	1.156	1.193	6.78
99)	TP	tert-Butylbenzene		0.953	1.290	1.212	1.169	1.326	1.207	1.211	1.195	10.04
102)	TP	1,2,4-Trimethy		1.260	1.580	1.429	1.404	1.626	1.469	1.456	1.461	8.21
103)	TP	sec-Butylbenzene		1.351	1.869	1.755	1.755	2.028	1.824	1.785	1.767	11.67
104)	TP	p-Isopropyltol		1.165	1.623	1.526	1.526	1.782	1.619	1.601	1.549	12.23
105)	TP	1,3-Dichlorobe		0.754	0.932	0.823	0.802	0.929	0.844	0.842	0.847	7.66
106)	TP	1,4-Dichlorobe		0.853	0.970	0.834	0.809	0.913	0.827	0.833	0.863	6.69
107)	TP	p-Diethylbenzene		0.684	0.952	0.906	0.916	1.077	0.982	0.992	0.930	13.17
108)	TP	n-Butylbenzene		0.967	1.351	1.287	1.320	1.555	1.396	1.354	1.319	13.46
109)	TP	1,2-Dichlorobe		0.790	0.919	0.787	0.763	0.851	0.774	0.776	0.808	7.02
110)	TP	1,2,4,5-Tetram		1.177	1.516	1.401	1.392	1.657	1.516	1.556	1.459	10.55
111)	TP	1,2-Dibromo-3-		0.042	0.055	0.047	0.047	0.052	0.050	0.049	0.049	8.60
112)	TP	1,3,5-Trichlor		0.486	0.685	0.577	0.558	0.638	0.574	0.592	0.587	10.67
113)	TP	Hexachlorobuta		0.096	0.182	0.170	0.168	0.188	0.173	0.177	0.165	18.78
114)	TP	1,2,4-Trichlor		0.463	0.608	0.497	0.485	0.524	0.476	0.498	0.507	9.52
115)	TP	Naphthalene		1.197	1.367	1.036	1.027	1.083	1.031	1.042	1.112	11.47
116)	TP	1,2,3-Trichlor		0.484	0.562	0.441	0.433	0.469	0.437	0.455	0.469	9.60

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2353445	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 09/15/23 05:41	
Lab File ID	: V30230915A01		Init. Calib. Date(s)	: 09/13/23	09/13/23
Sample No	: WG1828105-2		Init. Calib. Times	: 16:17	19:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	93	0
Dichlorodifluoromethane	0.255	0.269	-	-5.5	20	93	0
Chloromethane	0.197	0.193	-	2	20	87	0
Vinyl chloride	0.245	0.286	-	-16.7	20	99	0
Bromomethane	0.29	0.236	-	18.6	20	74	0
Chloroethane	0.191	0.219	-	-14.7	20	105	-.01
Trichlorofluoromethane	0.474	0.593	-	-25.1*	20	109	0
Ethyl ether	0.114	0.14	-	-22.8*	20	111	0
1,1-Dichloroethene	0.165	0.173	-	-4.8	20	96	0
Carbon disulfide	0.457	0.477	-	-4.4	20	100	0
Freon-113	0.176	0.196	-	-11.4	20	99	0
Acrolein	0.014	0.015	-	-7.1	20	108	0
Methylene chloride	0.189	0.194	-	-2.6	20	95	0
Acetone	10	11.259	-	-12.6	20	103	0
trans-1,2-Dichloroethene	0.184	0.193	-	-4.9	20	98	0
Methyl acetate	0.072	0.076	-	-5.6	20	105	0
Methyl tert-butyl ether	0.399	0.433	-	-8.5	20	105	0
tert-Butyl alcohol	0.00902	0.01017	-	-12.7	20	112	0
Diisopropyl ether	0.466	0.482	-	-3.4	20	98	0
1,1-Dichloroethane	0.32	0.326	-	-1.9	20	92	0
Halothane	0.141	0.144	-	-2.1	20	94	0
Acrylonitrile	0.033	0.036	-	-9.1	20	101	0
Ethyl tert-butyl ether	0.464	0.478	-	-3	20	101	0
Vinyl acetate	0.19	0.264	-	-38.9*	20	140	0
cis-1,2-Dichloroethene	0.21	0.215	-	-2.4	20	94	0
2,2-Dichloropropane	0.277	0.298	-	-7.6	20	100	0
Bromochloromethane	0.101	0.103	-	-2	20	95	0
Cyclohexane	0.268	0.279	-	-4.1	20	95	0
Chloroform	0.341	0.342	-	-0.3	20	92	0
Ethyl acetate	0.097	0.104	-	-7.2	20	105	0
Carbon tetrachloride	0.256	0.249	-	2.7	20	90	0
Tetrahydrofuran	0.027	0.029	-	-7.4	20	101	0
Dibromofluoromethane	0.314	0.304	-	3.2	20	89	0
1,1,1-Trichloroethane	0.299	0.305	-	-2	20	91	0
2-Butanone	0.042	0.046	-	-9.5	20	98	0
1,1-Dichloropropene	0.235	0.25	-	-6.4	20	100	0
Benzene	0.681	0.717	-	-5.3	20	99	0
tert-Amyl methyl ether	0.446	0.459	-	-2.9	20	100	0
1,2-Dichloroethane-d4	0.315	0.305	-	3.2	20	91	0
1,2-Dichloroethane	0.228	0.228	-	0	20	94	0
Methyl cyclohexane	0.299	0.314	-	-5	20	99	0
Trichloroethene	0.203	0.199*	-	2	20	93	0
Dibromomethane	0.11	0.111	-	-0.9	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2353445	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 09/15/23 05:41	
Lab File ID	: V30230915A01		Init. Calib. Date(s)	: 09/13/23	09/13/23
Sample No	: WG1828105-2		Init. Calib. Times	: 16:17	19:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.165	0.173	-	-4.8	20	98	0
2-Chloroethyl vinyl ether	0.084	0.088	-	-4.8	20	98	0
Bromodichloromethane	0.251	0.253*	-	-0.8	20	95	0
1,4-Dioxane	0.00121	0.00137*	-	-13.2	20	119	0
cis-1,3-Dichloropropene	0.27	0.28*	-	-3.7	20	101	0
Chlorobenzene-d5	1	1	-	0	20	87	0
Toluene-d8	1.243	1.274	-	-2.5	20	87	0
Toluene	0.505	0.525	-	-4	20	92	0
4-Methyl-2-pentanone	0.041	0.043	-	-4.9	20	92	0
Tetrachloroethene	0.216	0.234	-	-8.3	20	96	0
trans-1,3-Dichloropropene	0.245	0.272*	-	-11	20	102	0
Ethyl methacrylate	0.188	0.192	-	-2.1	20	92	0
1,1,2-Trichloroethane	0.128	0.141*	-	-10.2	20	102	0
Chlorodibromomethane	0.183	0.188*	-	-2.7	20	97	0
1,3-Dichloropropane	0.247	0.276	-	-11.7	20	101	0
1,2-Dibromoethane	0.154	0.17*	-	-10.4	20	101	0
2-Hexanone	0.077	0.079	-	-2.6	20	92	0
Chlorobenzene	0.58	0.609	-	-5	20	92	0
Ethylbenzene	0.978	1.03	-	-5.3	20	91	0
1,1,1,2-Tetrachloroethane	0.203	0.207	-	-2	20	94	0
p/m Xylene	0.408	0.417	-	-2.2	20	91	0
o Xylene	0.418	0.409	-	2.2	20	90	0
Styrene	0.693	0.681	-	1.7	20	90	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	86	0
Bromoform	0.197	0.179	-	9.1	20	93	0
Isopropylbenzene	1.641	1.721	-	-4.9	20	89	0
4-Bromofluorobenzene	0.747	0.736	-	1.5	20	83	0
Bromobenzene	0.415	0.44	-	-6	20	91	0
n-Propylbenzene	1.943	2.07	-	-6.5	20	92	0
1,4-Dichlorobutane	0.364	0.37	-	-1.6	20	90	0
1,1,2,2-Tetrachloroethane	0.284	0.325	-	-14.4	20	104	0
4-Ethyltoluene	1.671	1.773	-	-6.1	20	91	0
2-Chlorotoluene	1.149	1.377	-	-19.8	20	105	0
1,3,5-Trimethylbenzene	1.468	1.517	-	-3.3	20	90	0
1,2,3-Trichloropropane	0.236	0.249	-	-5.5	20	95	0
trans-1,4-Dichloro-2-buten	0.083	0.085	-	-2.4	20	94	0
4-Chlorotoluene	1.193	1.235	-	-3.5	20	90	0
tert-Butylbenzene	1.195	1.242	-	-3.9	20	88	0
1,2,4-Trimethylbenzene	1.461	1.493	-	-2.2	20	90	0
sec-Butylbenzene	1.767	1.847	-	-4.5	20	91	0
p-Isopropyltoluene	1.549	1.605	-	-3.6	20	91	0
1,3-Dichlorobenzene	0.847	0.873	-	-3.1	20	91	0
1,4-Dichlorobenzene	0.863	0.895	-	-3.7	20	92	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2353445	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 09/15/23 05:41	
Lab File ID	: V30230915A01		Init. Calib. Date(s)	: 09/13/23	09/13/23
Sample No	: WG1828105-2		Init. Calib. Times	: 16:17	19:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	0.93	0.983	-	-5.7	20	93	0
n-Butylbenzene	1.319	1.415	-	-7.3	20	95	0
1,2-Dichlorobenzene	0.808	0.828	-	-2.5	20	91	0
1,2,4,5-Tetramethylbenzene	1.459	1.472	-	-0.9	20	90	0
1,2-Dibromo-3-chloropropan	0.049	0.047	-	4.1	20	86	0
1,3,5-Trichlorobenzene	0.587	0.624	-	-6.3	20	93	0
Hexachlorobutadiene	0.165	0.178	-	-7.9	20	90	0
1,2,4-Trichlorobenzene	0.507	0.542	-	-6.9	20	94	0
Naphthalene	1.112	1.161	-	-4.4	20	96	0
1,2,3-Trichlorobenzene	0.469	0.488	-	-4.1	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2353445	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 09/16/23 12:58	
Lab File ID	: V30230916A01		Init. Calib. Date(s)	: 09/13/23	09/13/23
Sample No	: WG1828105-9		Init. Calib. Times	: 16:17	19:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	89	0
Dichlorodifluoromethane	0.255	0.274	-	-7.5	20	90	0
Chloromethane	0.197	0.202	-	-2.5	20	87	0
Vinyl chloride	0.245	0.314	-	-28.2*	20	104	0
Bromomethane	0.29	0.245	-	15.5	20	74	0
Chloroethane	0.191	0.217	-	-13.6	20	99	0
Trichlorofluoromethane	0.474	0.531	-	-12	20	93	0
Ethyl ether	0.114	0.129	-	-13.2	20	98	0
1,1-Dichloroethene	0.165	0.179	-	-8.5	20	95	0
Carbon disulfide	0.457	0.521	-	-14	20	104	0
Freon-113	0.176	0.185	-	-5.1	20	89	0
Iodomethane	0.282	0.181	-	35.8*	20	58	0
Acrolein	0.014	0.015	-	-7.1	20	100	0
Methylene chloride	0.189	0.201	-	-6.3	20	95	0
Acetone	10	11.399	-	-14	20	100	0
trans-1,2-Dichloroethene	0.184	0.198	-	-7.6	20	97	0
Methyl acetate	0.072	0.069	-	4.2	20	90	0
Methyl tert-butyl ether	0.399	0.4	-	-0.3	20	93	0
tert-Butyl alcohol	0.00902	0.00896*	-	0.7	20	95	0
Diisopropyl ether	0.466	0.46	-	1.3	20	90	0
1,1-Dichloroethane	0.32	0.333	-	-4.1	20	90	0
Halothane	0.141	0.142	-	-0.7	20	89	0
Acrylonitrile	0.033	0.034	-	-3	20	91	0
Ethyl tert-butyl ether	0.464	0.451	-	2.8	20	91	0
Vinyl acetate	0.19	0.235	-	-23.7*	20	119	0
cis-1,2-Dichloroethene	0.21	0.233	-	-11	20	98	0
2,2-Dichloropropane	0.277	0.293	-	-5.8	20	94	0
Bromochloromethane	0.101	0.1*	-	1	20	88	0
Cyclohexane	0.268	0.274	-	-2.2	20	90	0
Chloroform	0.341	0.348	-	-2.1	20	90	0
Ethyl acetate	0.097	0.092	-	5.2	20	89	0
Carbon tetrachloride	0.256	0.254	-	0.8	20	88	0
Tetrahydrofuran	0.027	0.027	-	0	20	89	-.02
Dibromofluoromethane	0.314	0.301	-	4.1	20	84	0
1,1,1-Trichloroethane	0.299	0.301	-	-0.7	20	86	0
2-Butanone	0.042	0.04	-	4.8	20	83	0
1,1-Dichloropropene	0.235	0.26	-	-10.6	20	99	0
Benzene	0.681	0.735	-	-7.9	20	97	0
tert-Amyl methyl ether	0.446	0.433	-	2.9	20	90	0
1,2-Dichloroethane-d4	0.315	0.302	-	4.1	20	86	0
1,2-Dichloroethane	0.228	0.222	-	2.6	20	88	0
Methyl cyclohexane	0.299	0.315	-	-5.4	20	95	0
Trichloroethene	0.203	0.206	-	-1.5	20	91	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2353445	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 09/16/23 12:58	
Lab File ID	: V30230916A01		Init. Calib. Date(s)	: 09/13/23	09/13/23
Sample No	: WG1828105-9		Init. Calib. Times	: 16:17	19:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.11	0.108	-	1.8	20	89	0
1,2-Dichloropropane	0.165	0.173	-	-4.8	20	94	0
2-Chloroethyl vinyl ether	0.084	0.082	-	2.4	20	88	0
Bromodichloromethane	0.251	0.253*	-	-0.8	20	91	0
1,4-Dioxane	0.00121	0.00108*	-	10.7	20	90	-.01
cis-1,3-Dichloropropene	0.27	0.278*	-	-3	20	96	0
Chlorobenzene-d5	1	1	-	0	20	82	0
Toluene-d8	1.243	1.288	-	-3.6	20	84	0
Toluene	0.505	0.535	-	-5.9	20	89	0
4-Methyl-2-pentanone	0.041	0.037	-	9.8	20	74	0
Tetrachloroethene	0.216	0.227	-	-5.1	20	88	0
trans-1,3-Dichloropropene	0.245	0.271*	-	-10.6	20	96	0
Ethyl methacrylate	0.188	0.18	-	4.3	20	81	0
1,1,2-Trichloroethane	0.128	0.134*	-	-4.7	20	92	0
Chlorodibromomethane	0.183	0.183*	-	0	20	90	0
1,3-Dichloropropane	0.247	0.268	-	-8.5	20	92	0
1,2-Dibromoethane	0.154	0.159*	-	-3.2	20	89	0
2-Hexanone	0.077	0.071	-	7.8	20	79	0
Chlorobenzene	0.58	0.609	-	-5	20	87	0
Ethylbenzene	0.978	1.044	-	-6.7	20	88	0
1,1,1,2-Tetrachloroethane	0.203	0.201	-	1	20	87	0
p/m Xylene	0.408	0.421	-	-3.2	20	87	0
o Xylene	0.418	0.406	-	2.9	20	85	0
Styrene	0.693	0.681	-	1.7	20	85	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
Bromoform	0.197	0.176	-	10.7	20	85	0
Isopropylbenzene	1.641	1.741	-	-6.1	20	84	0
4-Bromofluorobenzene	0.747	0.747	-	0	20	79	0
Bromobenzene	0.415	0.43	-	-3.6	20	83	0
n-Propylbenzene	1.943	2.135	-	-9.9	20	88	0
1,4-Dichlorobutane	0.364	0.354	-	2.7	20	80	0
1,1,2,2-Tetrachloroethane	0.284	0.306	-	-7.7	20	91	0
4-Ethyltoluene	1.671	1.804	-	-8	20	86	0
2-Chlorotoluene	1.149	1.195	-	-4	20	85	0
1,3,5-Trimethylbenzene	1.468	1.504	-	-2.5	20	83	0
1,2,3-Trichloropropane	0.236	0.235	-	0.4	20	84	0
trans-1,4-Dichloro-2-buten	0.083	0.079	-	4.8	20	81	0
4-Chlorotoluene	1.193	1.254	-	-5.1	20	85	0
tert-Butylbenzene	1.195	1.226	-	-2.6	20	81	0
1,2,4-Trimethylbenzene	1.461	1.515	-	-3.7	20	85	0
sec-Butylbenzene	1.767	1.86	-	-5.3	20	85	0
p-Isopropyltoluene	1.549	1.605	-	-3.6	20	85	0
1,3-Dichlorobenzene	0.847	0.874	-	-3.2	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2353445	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 09/16/23 12:58	
Lab File ID	: V30230916A01		Init. Calib. Date(s)	: 09/13/23	09/13/23
Sample No	: WG1828105-9		Init. Calib. Times	: 16:17	19:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	0.863	0.884	-	-2.4	20	85	0
p-Diethylbenzene	0.93	0.983	-	-5.7	20	87	0
n-Butylbenzene	1.319	1.442	-	-9.3	20	90	0
1,2-Dichlorobenzene	0.808	0.813	-	-0.6	20	83	0
1,2,4,5-Tetramethylbenzene	1.459	1.458	-	0.1	20	84	0
1,2-Dibromo-3-chloropropan	0.049	0.045	-	8.2	20	76	0
1,3,5-Trichlorobenzene	0.587	0.612	-	-4.3	20	85	0
Hexachlorobutadiene	0.165	0.173	-	-4.8	20	81	0
1,2,4-Trichlorobenzene	0.507	0.524	-	-3.4	20	85	0
Naphthalene	1.112	1.087	-	2.2	20	84	0
1,2,3-Trichlorobenzene	0.469	0.465	-	0.9	20	85	0

* Value outside of QC limits.

1,4-Dioxane

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D SIM 1,4-Dioxane
Data for Alpha Analytical, SDG Number: L2353445

7 Ground Water Samples and 1 Field Duplicate
Collected September 13, 2023

Prepared by: Donald Anné
September 29, 2023

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %RSD was below the allowable maximum (30%), as required.

Continuing Calibration: The RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %D was below the allowable maximum (25%), as required.

Blanks: The analyses of the method blanks reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-6S.

Laboratory Control Sample: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous samples WG1829808-2/3.

Field Duplicates: The relative percent difference for 1,4-dioxane was below the allowable maximum (20%) for aqueous field duplicate pair MW-8S/DUP09132023 (attached table), as required.

Compound ID: Checked surrogate and 1,4-dioxane results were within quantitation limits.

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Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2353445

S1= MW-8S **S2=** DUP09132023

Analyte	S1	S2	RPD (%)
Vinyl chloride	17	17	0%
cis-1,2-Dichloroethene	5.2	4.9	6%
1,2-Dichloroethene, Total	5.2	4.9	6%

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Semi-Volatiles SIM (1,4-Dioxane)

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2353445

S1= MW-8S **S2=** DUP09132023

Analyte	S1	S2	RPD (%)
1,4-Dioxane	5150	5000	3%

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

January 2, 2024

Mr. Paul W. Scholar
Senior Geologist
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: Data Validation Report
Troy Belting (2011-31 task 911)
December 2023 Ground Water Sampling Event

Dear Mr. Scholar:

The data usability summary report (DUSR) and QA/QC review are attached to this letter for the December 2023 ground water sampling event. The data for Alpha Analytical, SDG number: L2373323 are acceptable with some minor issues identified and discussed in the DUSR and validation summary. There are no data that are qualified as rejected, unusable (R) in the data pack.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Sterling Environmental Engineering, P.C.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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ALPHA GEOSCIENCE

Geology

Hydrology

Remediation

Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2373323

5 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected December 12, 2023

Prepared by: Donald Anné
January 2, 2024

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile by 8260 results for 5 ground water samples, 1 field duplicate, and 1 trip blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile results for acetone were qualified as "not detected" (U) for samples MW-6S, MW-6D, and DUP12122023 because the level reported in the samples were not significantly greater than (more than 10 times) the highest associated blank level.

- The positive volatile result for 1,1-dichloroethane was qualified as "estimated, biased high" (J+) for sample MW-6D because 2 of 2 percent recoveries for 1,1-duchloroethane were above QC limits in the aqueous MS/MSD sample.

All data are considered usable with estimated (J+) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

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Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-01	Date Collected	: 12/12/23 09:50
Client ID	: MW-8S	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A14	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	5.9	1.0	0.07	
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-01	Date Collected	: 12/12/23 09:50
Client ID	: MW-8S	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 11:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A14	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.4	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2373323
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2373323-01	**Date Collected**	: 12/12/23 09:50
Client ID	: MW-8S	**Date Received**	: 12/12/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 12/18/23 11:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V08231218A14	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-02D	Date Collected	: 12/12/23 10:55
Client ID	: MW-6D'	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 12:06
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A15	Instrument ID	: VOA108
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	10	2.8	U
75-34-3	1,1-Dichloroethane	4.3	10	2.8	J
67-66-3	Chloroform	ND	10	2.8	U
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U
124-48-1	Dibromochloromethane	ND	2.0	0.60	U
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U
127-18-4	Tetrachloroethene	ND	2.0	0.72	U
108-90-7	Chlorobenzene	ND	10	2.8	U
75-69-4	Trichlorofluoromethane	ND	10	2.8	U
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U
71-55-6	1,1,1-Trichloroethane	ND	10	2.8	U
75-27-4	Bromodichloromethane	ND	2.0	0.77	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U
75-25-2	Bromoform	ND	8.0	2.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U
71-43-2	Benzene	ND	2.0	0.64	U
108-88-3	Toluene	ND	10	2.8	U
100-41-4	Ethylbenzene	ND	10	2.8	U
74-87-3	Chloromethane	ND	10	2.8	U
74-83-9	Bromomethane	ND	10	2.8	U
75-01-4	Vinyl chloride	220	4.0	0.28	
75-00-3	Chloroethane	ND	10	2.8	U
75-35-4	1,1-Dichloroethene	ND	2.0	0.68	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-02D	Date Collected	: 12/12/23 10:55
Client ID	: MW-6D'	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 12:06
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A15	Instrument ID	: VOA108
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U
79-01-6	Trichloroethene	ND	2.0	0.70	U
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	2.8	U
179601-23-1	p/m-Xylene	ND	10	2.8	U
95-47-6	o-Xylene	ND	10	2.8	U
156-59-2	cis-1,2-Dichloroethene	430	10	2.8	
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
74-97-5	Bromochloromethane	ND	10	2.8	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
98-82-8	Isopropylbenzene	ND	10	2.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	10	2.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
79-20-9	Methyl Acetate	ND	8.0	0.94	U
110-82-7	Cyclohexane	ND	40	1.1	U
123-91-1	1,4-Dioxane	ND	1000	240	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-02D	Date Collected	: 12/12/23 10:55
Client ID	: MW-6D'	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 12:06
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A15	Instrument ID	: VOA108
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	10	2.8	U
108-87-2	Methyl cyclohexane	ND	40	1.6	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-03D	Date Collected	: 12/12/23 11:25
Client ID	: MW-6S	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/19/23 12:01
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01231219A16	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	38	25	7.0	
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	ND	5.0	1.8	U
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	1300	10	0.71	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-03D	Date Collected	: 12/12/23 11:25
Client ID	: MW-6S	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/19/23 12:01
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01231219A16	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U	
79-01-6	Trichloroethene	ND	5.0	1.8	U	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U	
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U	
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U	
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U	
179601-23-1	p/m-Xylene	ND	25	7.0	U	
95-47-6	o-Xylene	ND	25	7.0	U	
156-59-2	cis-1,2-Dichloroethene	340	25	7.0		
100-42-5	Styrene	ND	25	7.0	U	
75-71-8	Dichlorodifluoromethane	ND	50	10.	U	
67-64-1	Acetone	30	50	15.	J	U
75-15-0	Carbon disulfide	ND	50	10.	U	
78-93-3	2-Butanone	ND	50	19.	U	
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U	
591-78-6	2-Hexanone	ND	50	10.	U	
74-97-5	Bromochloromethane	ND	25	7.0	U	
106-93-4	1,2-Dibromoethane	ND	20	6.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U	
98-82-8	Isopropylbenzene	ND	25	7.0	U	
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U	
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U	
79-20-9	Methyl Acetate	ND	20	2.3	U	
110-82-7	Cyclohexane	ND	100	2.7	U	
123-91-1	1,4-Dioxane	ND	2500	610	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2373323
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2373323-03D	**Date Collected**	: 12/12/23 11:25
Client ID	: MW-6S	**Date Received**	: 12/12/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 12/19/23 12:01
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01231219A16	**Instrument ID**	: VOA101
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-04D	Date Collected	: 12/12/23 13:20
Client ID	: MW-6D	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/19/23 11:35
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01231219A15	Instrument ID	: VOA101
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	62	18.	U	
75-34-3	1,1-Dichloroethane	57	62	18.	J	J+
67-66-3	Chloroform	ND	62	18.	U	
56-23-5	Carbon tetrachloride	ND	12	3.4	U	
78-87-5	1,2-Dichloropropane	ND	25	3.4	U	
124-48-1	Dibromochloromethane	ND	12	3.7	U	
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U	
127-18-4	Tetrachloroethene	ND	12	4.5	U	
108-90-7	Chlorobenzene	ND	62	18.	U	
75-69-4	Trichlorofluoromethane	ND	62	18.	U	
107-06-2	1,2-Dichloroethane	ND	12	3.3	U	
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U	
75-27-4	Bromodichloromethane	ND	12	4.8	U	
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U	
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U	
75-25-2	Bromoform	ND	50	16.	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U	
71-43-2	Benzene	ND	12	4.0	U	
108-88-3	Toluene	ND	62	18.	U	
100-41-4	Ethylbenzene	ND	62	18.	U	
74-87-3	Chloromethane	ND	62	18.	U	
74-83-9	Bromomethane	ND	62	18.	U	
75-01-4	Vinyl chloride	4200	25	1.8		
75-00-3	Chloroethane	ND	62	18.	U	
75-35-4	1,1-Dichloroethene	5.4	12	4.2	J	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-04D	Date Collected	: 12/12/23 13:20
Client ID	: MW-6D	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/19/23 11:35
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01231219A15	Instrument ID	: VOA101
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	62	18.	U	
79-01-6	Trichloroethene	ND	12	4.4	U	
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U	
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U	
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U	
1634-04-4	Methyl tert butyl ether	ND	62	18.	U	
179601-23-1	p/m-Xylene	ND	62	18.	U	
95-47-6	o-Xylene	ND	62	18.	U	
156-59-2	cis-1,2-Dichloroethene	1700	62	18.		
100-42-5	Styrene	ND	62	18.	U	
75-71-8	Dichlorodifluoromethane	ND	120	25.	U	
67-64-1	Acetone	140	120	36.		U
75-15-0	Carbon disulfide	ND	120	25.	U	
78-93-3	2-Butanone	ND	120	48.	U	
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U	
591-78-6	2-Hexanone	ND	120	25.	U	
74-97-5	Bromochloromethane	ND	62	18.	U	
106-93-4	1,2-Dibromoethane	ND	50	16.	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U	
98-82-8	Isopropylbenzene	ND	62	18.	U	
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U	
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U	
79-20-9	Methyl Acetate	ND	50	5.8	U	
110-82-7	Cyclohexane	ND	250	6.8	U	
123-91-1	1,4-Dioxane	ND	6200	1500	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-04D	Date Collected	: 12/12/23 13:20
Client ID	: MW-6D	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/19/23 11:35
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01231219A15	Instrument ID	: VOA101
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-05D	Date Collected	: 12/12/23 14:25
Client ID	: MW-4S	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 13:13
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A18	Instrument ID	: VOA108
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	120	35.	U
75-34-3	1,1-Dichloroethane	55	120	35.	J
67-66-3	Chloroform	ND	120	35.	U
56-23-5	Carbon tetrachloride	ND	25	6.7	U
78-87-5	1,2-Dichloropropane	ND	50	6.8	U
124-48-1	Dibromochloromethane	ND	25	7.4	U
79-00-5	1,1,2-Trichloroethane	ND	75	25.	U
127-18-4	Tetrachloroethene	ND	25	9.0	U
108-90-7	Chlorobenzene	ND	120	35.	U
75-69-4	Trichlorofluoromethane	ND	120	35.	U
107-06-2	1,2-Dichloroethane	ND	25	6.6	U
71-55-6	1,1,1-Trichloroethane	ND	120	35.	U
75-27-4	Bromodichloromethane	ND	25	9.6	U
10061-02-6	trans-1,3-Dichloropropene	ND	25	8.2	U
10061-01-5	cis-1,3-Dichloropropene	ND	25	7.2	U
75-25-2	Bromoform	ND	100	32.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	8.4	U
71-43-2	Benzene	ND	25	8.0	U
108-88-3	Toluene	ND	120	35.	U
100-41-4	Ethylbenzene	ND	120	35.	U
74-87-3	Chloromethane	ND	120	35.	U
74-83-9	Bromomethane	ND	120	35.	U
75-01-4	Vinyl chloride	1200	50	3.6	
75-00-3	Chloroethane	ND	120	35.	U
75-35-4	1,1-Dichloroethene	ND	25	8.4	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-05D	Date Collected	: 12/12/23 14:25
Client ID	: MW-4S	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 13:13
Sample Matrix	: WATER	Dilution Factor	: 50
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A18	Instrument ID	: VOA108
Sample Amount	: 0.2 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	120	35.	U
79-01-6	Trichloroethene	ND	25	8.8	U
95-50-1	1,2-Dichlorobenzene	ND	120	35.	U
541-73-1	1,3-Dichlorobenzene	ND	120	35.	U
106-46-7	1,4-Dichlorobenzene	ND	120	35.	U
1634-04-4	Methyl tert butyl ether	ND	120	35.	U
179601-23-1	p/m-Xylene	ND	120	35.	U
95-47-6	o-Xylene	ND	120	35.	U
156-59-2	cis-1,2-Dichloroethene	5300	120	35.	
100-42-5	Styrene	ND	120	35.	U
75-71-8	Dichlorodifluoromethane	ND	250	50.	U
67-64-1	Acetone	ND	250	73.	U
75-15-0	Carbon disulfide	ND	250	50.	U
78-93-3	2-Butanone	ND	250	97.	U
108-10-1	4-Methyl-2-pentanone	ND	250	50.	U
591-78-6	2-Hexanone	ND	250	50.	U
74-97-5	Bromochloromethane	ND	120	35.	U
106-93-4	1,2-Dibromoethane	ND	100	32.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	120	35.	U
98-82-8	Isopropylbenzene	ND	120	35.	U
87-61-6	1,2,3-Trichlorobenzene	ND	120	35.	U
120-82-1	1,2,4-Trichlorobenzene	ND	120	35.	U
79-20-9	Methyl Acetate	ND	100	12.	U
110-82-7	Cyclohexane	ND	500	14.	U
123-91-1	1,4-Dioxane	ND	12000	3000	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2373323
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2373323-05D	**Date Collected**	: 12/12/23 14:25
Client ID	: MW-4S	**Date Received**	: 12/12/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 12/18/23 13:13
Sample Matrix	: WATER	**Dilution Factor**	: 50
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V08231218A18	**Instrument ID**	: VOA108
Sample Amount	: 0.2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	120	35.	U
108-87-2	Methyl cyclohexane	ND	500	20.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-06D	Date Collected	: 12/12/23 00:00
Client ID	: DUP12122023	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/19/23 12:27
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01231219A17	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	25	7.0	U
75-34-3	1,1-Dichloroethane	39	25	7.0	
67-66-3	Chloroform	ND	25	7.0	U
56-23-5	Carbon tetrachloride	ND	5.0	1.3	U
78-87-5	1,2-Dichloropropane	ND	10	1.4	U
124-48-1	Dibromochloromethane	ND	5.0	1.5	U
79-00-5	1,1,2-Trichloroethane	ND	15	5.0	U
127-18-4	Tetrachloroethene	ND	5.0	1.8	U
108-90-7	Chlorobenzene	ND	25	7.0	U
75-69-4	Trichlorofluoromethane	ND	25	7.0	U
107-06-2	1,2-Dichloroethane	ND	5.0	1.3	U
71-55-6	1,1,1-Trichloroethane	ND	25	7.0	U
75-27-4	Bromodichloromethane	ND	5.0	1.9	U
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.6	U
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.4	U
75-25-2	Bromoform	ND	20	6.5	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.7	U
71-43-2	Benzene	ND	5.0	1.6	U
108-88-3	Toluene	ND	25	7.0	U
100-41-4	Ethylbenzene	ND	25	7.0	U
74-87-3	Chloromethane	ND	25	7.0	U
74-83-9	Bromomethane	ND	25	7.0	U
75-01-4	Vinyl chloride	1300	10	0.71	
75-00-3	Chloroethane	ND	25	7.0	U
75-35-4	1,1-Dichloroethene	ND	5.0	1.7	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-06D	Date Collected	: 12/12/23 00:00
Client ID	: DUP12122023	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/19/23 12:27
Sample Matrix	: WATER	Dilution Factor	: 10
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V01231219A17	Instrument ID	: VOA101
Sample Amount	: 1 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	25	7.0	U	
79-01-6	Trichloroethene	ND	5.0	1.8	U	
95-50-1	1,2-Dichlorobenzene	ND	25	7.0	U	
541-73-1	1,3-Dichlorobenzene	ND	25	7.0	U	
106-46-7	1,4-Dichlorobenzene	ND	25	7.0	U	
1634-04-4	Methyl tert butyl ether	ND	25	7.0	U	
179601-23-1	p/m-Xylene	ND	25	7.0	U	
95-47-6	o-Xylene	ND	25	7.0	U	
156-59-2	cis-1,2-Dichloroethene	340	25	7.0		
100-42-5	Styrene	ND	25	7.0	U	
75-71-8	Dichlorodifluoromethane	ND	50	10.	U	
67-64-1	Acetone	27	50	15.	J	U
75-15-0	Carbon disulfide	ND	50	10.	U	
78-93-3	2-Butanone	ND	50	19.	U	
108-10-1	4-Methyl-2-pentanone	ND	50	10.	U	
591-78-6	2-Hexanone	ND	50	10.	U	
74-97-5	Bromochloromethane	ND	25	7.0	U	
106-93-4	1,2-Dibromoethane	ND	20	6.5	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	7.0	U	
98-82-8	Isopropylbenzene	ND	25	7.0	U	
87-61-6	1,2,3-Trichlorobenzene	ND	25	7.0	U	
120-82-1	1,2,4-Trichlorobenzene	ND	25	7.0	U	
79-20-9	Methyl Acetate	ND	20	2.3	U	
110-82-7	Cyclohexane	ND	100	2.7	U	
123-91-1	1,4-Dioxane	ND	2500	610	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2373323
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2373323-06D	**Date Collected**	: 12/12/23 00:00
Client ID	: DUP12122023	**Date Received**	: 12/12/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 12/19/23 12:27
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V01231219A17	**Instrument ID**	: VOA101
Sample Amount	: 1 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	25	7.0	U
108-87-2	Methyl cyclohexane	ND	100	4.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-07	Date Collected	: 12/12/23 00:00
Client ID	: TB12122023	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 13:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A20	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2373323-07	Date Collected	: 12/12/23 00:00
Client ID	: TB12122023	Date Received	: 12/12/23
Sample Location	: COLONIE, NY	Date Analyzed	: 12/18/23 13:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08231218A20	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.3	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2373323
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2373323-07	**Date Collected**	: 12/12/23 00:00
Client ID	: TB12122023	**Date Received**	: 12/12/23
Sample Location	: COLONIE, NY	**Date Analyzed**	: 12/18/23 13:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V08231218A20	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2373323

5 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected December 12, 2023

Prepared by: Donald Anné
January 2, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for 6 compounds (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for VOA108 on 12-06-23. The average RRFs for acetone, 2-butanone, 4-methyl-2-pentanone, and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 for VOA101 on 12-15-23. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for acetone, 2-butanone, and bromodichloromethane were below the method minimums, but not below 0.010 on 12-18-23 (V08231218A01). The RRFs for acetone, 2-butanone, 4-methyl-2-pentanone, and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 on 12-19-23 (V01231219A01). The %Ds for dichlorodifluoromethane, chloroethane, and trichlorofluoromethane were above the method maximum on 12-18-23 (V08231218A01). The %Ds for bromomethane, 2-hexanone, and 1,2-dibromo-3-chloropropane were above the method maximum on 12-19-23 (V01231219A01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The %Ds for dichlorodifluoromethane, chloroethane, trichlorofluoromethane, and 1,4-dioxane were above the allowable maximum (20%) on 12-18-23 (V08231218A01). The %Ds for bromomethane, 2-hexanone, and 1,2-dibromo-3-chloropropane were above the allowable maximum (20%) on 12-19-23 (V01231219A01). Positive results for these compounds should be considered estimated (J) in associated samples.

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The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

Blanks: The analyses of the method blanks reported target compounds as not detected. Trip Blank TB12122023 contained a trace of acetone (3.3 ug/L). Positive results for acetone that are less than 10 times the trip blank level should be reported as not detected (U) in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for applicable compounds were below the allowable maximum, but 1 or 2 percent recoveries for 12 compounds (highlighted yellow on attached Form 3) were above QC limits for aqueous MS/MSD sample MW-6D. The positive result for 1,1-dichloroethane should be considered estimated, biased high (J+) in sample MW-6D.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within the QC limits for aqueous samples WG1865859-3/4.

The RPDs for target compounds were below the allowable maximum, but 1 of 2 %Rs for 1,4-dioxane was above QC limits aqueous samples WG1865366-3/4. Positive results for 1,4-dioxane should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (20%) for aqueous field duplicate pair MW-6S/DUP12122023 (attached table), as required.

Compound ID: Checked compound and surrogate results were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1865366-3	Analysis Date : 12/18/23 06:51	File ID : V08231218A01
LCSD Sample ID	: WG1865366-4	Analysis Date : 12/18/23 07:14	File ID : V08231218A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	10	100	10	11	110	10	70-130	20
Carbon tetrachloride	10	11	110	10	11	110	0	63-132	20
1,2-Dichloropropane	10	9.8	98	10	10	100	2	70-130	20
Dibromochloromethane	10	11	110	10	11	110	0	63-130	20
1,1,2-Trichloroethane	10	12	120	10	12	120	0	70-130	20
Tetrachloroethene	10	11	110	10	10	100	10	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	12	120	10	12	120	0	62-150	20
1,2-Dichloroethane	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	11	110	10	67-130	20
Bromodichloromethane	10	10	100	10	11	110	10	67-130	20
trans-1,3-Dichloropropene	10	11	110	10	11	110	0	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	11	110	10	70-130	20
Bromoform	10	11	110	10	12	120	9	54-136	20
1,1,2,2-Tetrachloroethane	10	12	120	10	12	120	0	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	11	110	10	10	100	10	70-130	20
Ethylbenzene	10	11	110	10	10	100	10	70-130	20
Chloromethane	10	9.3	93	10	9.5	95	2	64-130	20
Bromomethane	10	12	120	10	12	120	0	39-139	20
Vinyl chloride	10	11	110	10	11	110	0	55-140	20
Chloroethane	10	13	130	10	13	130	0	55-138	20
1,1-Dichloroethene	10	10	100	10	10	100	0	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1865366-3	Analysis Date : 12/18/23 06:51	File ID : V08231218A01
LCSD Sample ID	: WG1865366-4	Analysis Date : 12/18/23 07:14	File ID : V08231218A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	11	110	10	11	110	0	70-130	20
1,2-Dichlorobenzene	10	12	120	10	11	110	9	70-130	20
1,3-Dichlorobenzene	10	12	120	10	12	120	0	70-130	20
1,4-Dichlorobenzene	10	12	120	10	12	120	0	70-130	20
Methyl tert butyl ether	10	9.2	92	10	10	100	8	63-130	20
p/m-Xylene	20	22	110	20	22	110	0	70-130	20
o-Xylene	20	22	110	20	22	110	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	22	110	20	22	110	0	70-130	20
Dichlorodifluoromethane	10	7.7	77	10	8.1	81	5	36-147	20
Acetone	10	10	100	10	11	110	10	58-148	20
Carbon disulfide	10	10	100	10	10	100	0	51-130	20
2-Butanone	10	10	100	10	12	120	18	63-138	20
4-Methyl-2-pentanone	10	8.7	87	10	9.3	93	7	59-130	20
2-Hexanone	10	9.8	98	10	11	110	12	57-130	20
Bromochloromethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromoethane	10	11	110	10	11	110	0	70-130	20
1,2-Dibromo-3-chloropropane	10	10	100	10	10	100	0	41-144	20
Isopropylbenzene	10	11	110	10	11	110	0	70-130	20
1,2,3-Trichlorobenzene	10	11	110	10	11	110	0	70-130	20
1,2,4-Trichlorobenzene	10	11	110	10	11	110	0	70-130	20
Methyl Acetate	10	10	100	10	11	110	10	70-130	20
Cyclohexane	10	9.6	96	10	9.9	99	3	70-130	20
1,4-Dioxane	500	800	160	500	830	166 Q	4	56-162	20
Freon-113	10	11	110	10	11	110	0	70-130	20
Methyl cyclohexane	10	9.9	99	10	10	100	1	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2373323-04	Analysis Date	: 12/19/23 11:35
Matrix Spike	: WG1865859-6	MS Analysis Date	: 12/19/23 12:53
Matrix Spike Dup	: WG1865859-7	MSD Analysis Date	: 12/19/23 13:19

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	250	320	128	250	320	128	0	70-130	20
1,1-Dichloroethane	57J	250	390	156 Q	250	380	152 Q	3	70-130	20
Chloroform	ND	250	340	136 Q	250	330	132 Q	3	70-130	20
Carbon tetrachloride	ND	250	350	140 Q	250	350	140 Q	0	63-132	20
1,2-Dichloropropane	ND	250	330	132 Q	250	320	128	3	70-130	20
Dibromochloromethane	ND	250	290	116	250	290	116	0	63-130	20
1,1,2-Trichloroethane	ND	250	310	124	250	300	120	3	70-130	20
Tetrachloroethene	ND	250	320	128	250	320	128	0	70-130	20
Chlorobenzene	ND	250	310	124	250	310	124	0	75-130	20
Trichlorofluoromethane	ND	250	360	144	250	360	144	0	62-150	20
1,2-Dichloroethane	ND	250	320	128	250	320	128	0	70-130	20
1,1,1-Trichloroethane	ND	250	350	140 Q	250	350	140 Q	0	67-130	20
Bromodichloromethane	ND	250	320	128	250	320	128	0	67-130	20
trans-1,3-Dichloropropene	ND	250	300	120	250	300	120	0	70-130	20
cis-1,3-Dichloropropene	ND	250	320	128	250	320	128	0	70-130	20
Bromoform	ND	250	260	104	250	260	104	0	54-136	20
1,1,2,2-Tetrachloroethane	ND	250	290	116	250	290	116	0	67-130	20
Benzene	ND	250	340	136 Q	250	340	136 Q	0	70-130	20
Toluene	ND	250	310	124	250	310	124	0	70-130	20
Ethylbenzene	ND	250	320	128	250	320	128	0	70-130	20
Chloromethane	ND	250	320	128	250	310	124	3	64-130	20
Bromomethane	ND	250	120	48	250	130	52	8	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2373323-04	Analysis Date	: 12/19/23 11:35
Matrix Spike	: WG1865859-6	MS Analysis Date	: 12/19/23 12:53
Matrix Spike Dup	: WG1865859-7	MSD Analysis Date	: 12/19/23 13:19

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	4200	250	4200	NA	250	3900	NA	7	55-140	20
Chloroethane	ND	250	360	144 Q	250	370	148 Q	3	55-138	20
1,1-Dichloroethene	5.4J	250	360	144	250	360	144	0	61-145	20
trans-1,2-Dichloroethene	ND	250	350	140 Q	250	350	140 Q	0	70-130	20
Trichloroethene	ND	250	340	136 Q	250	330	132 Q	3	70-130	20
1,2-Dichlorobenzene	ND	250	290	116	250	290	116	0	70-130	20
1,3-Dichlorobenzene	ND	250	290	116	250	290	116	0	70-130	20
1,4-Dichlorobenzene	ND	250	290	116	250	290	116	0	70-130	20
Methyl tert butyl ether	ND	250	300	120	250	300	120	0	63-130	20
p/m-Xylene	ND	500	630	126	500	630	126	0	70-130	20
o-Xylene	ND	500	620	124	500	620	124	0	70-130	20
cis-1,2-Dichloroethene	1700	250	2000	120	250	1800	NA	11	70-130	20
Styrene	ND	500	620	124	500	630	126	2	70-130	20
Dichlorodifluoromethane	ND	250	320	128	250	320	128	0	36-147	20
Acetone	140	250	410	108	250	380	96	8	58-148	20
Carbon disulfide	ND	250	350	140 Q	250	350	140 Q	0	51-130	20
2-Butanone	ND	250	300	120	250	290	116	3	63-138	20
4-Methyl-2-pentanone	ND	250	300	120	250	280	112	7	59-130	20
2-Hexanone	ND	250	260	104	250	260	104	0	57-130	20
Bromochloromethane	ND	250	310	124	250	320	128	3	70-130	20
1,2-Dibromoethane	ND	250	300	120	250	290	116	3	70-130	20
1,2-Dibromo-3-chloropropane	ND	250	270	108	250	260	104	4	41-144	20

NA - Sample concentration is greater than 4 times the spiking level; therefore, the %R is not applicable.

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2373323
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2373323-04	Analysis Date	: 12/19/23 11:35
Matrix Spike	: WG1865859-6	MS Analysis Date	: 12/19/23 12:53
Matrix Spike Dup	: WG1865859-7	MSD Analysis Date	: 12/19/23 13:19

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	250	310	124	250	310	124	0	70-130	20
1,2,3-Trichlorobenzene	ND	250	260	104	250	250	100	4	70-130	20
1,2,4-Trichlorobenzene	ND	250	270	108	250	260	104	4	70-130	20
Methyl Acetate	ND	250	290	116	250	290	116	0	70-130	20
Cyclohexane	ND	250	320	128	250	330	132 Q	3	70-130	20
1,4-Dioxane	ND	12500	12000	96	12500	14000	112	15	56-162	20
Freon-113	ND	250	350	140 Q	250	350	140 Q	0	70-130	20
Methyl cyclohexane	ND	250	310	124	250	310	124	0	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2373323
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Instrument ID	: VOA108	**Ical Ref**	: ICAL20635
Calibration dates	: 12/06/23 11:22 12/06/23 15:04		

Calibration Files
L11 =V08231206A03.d L1 =V08231206A06.d L2 =V08231206A07.d L3 =V08231206A09.d L4 =V08231206A10.d
L6 =V08231206A11.d L8 =V08231206A12.d L10 =V08231206A13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.241	0.295	0.291	0.260	0.291	0.291	0.289	0.280	7.39
3)	TP	Chloromethane		0.419	0.495	0.483	0.438	0.472	0.475	0.462	0.464	5.68
4)	TC	Vinyl chloride	0.145	0.243	0.287	0.283	0.260	0.288	0.313	0.318	*L	0.9970
5)	TP	Bromomethane		0.061	0.094	0.102	0.103	0.125	0.130	0.134	*Q	0.9988
6)	TP	Chloroethane		0.115	0.150	0.146	0.133	0.146	0.148	0.144	0.141	8.77
7)	TP	Trichlorofluor		0.212	0.273	0.274	0.246	0.274	0.278	0.273	0.262	9.37
8)	TP	Ethyl ether		0.054	0.066	0.077	0.073	0.083	0.084	0.083	0.074	14.75
10)	TC	1,1-Dichloroet		0.145	0.191	0.189	0.175	0.193	0.197	0.194	0.184	9.98
11)	TP	Carbon disulfide		0.634	0.706	0.689	0.630	0.699	0.711	0.698	0.681	4.99
12)	TP	Freon-113		0.159	0.193	0.200	0.180	0.199	0.201	0.198	0.190	8.09
13)	TP	Iodomethane			0.138	0.192	0.218	0.266	0.277	0.264	*L	0.9970
14)	TP	Acrolein			0.024	0.033	0.031	0.036	0.037	0.038	0.033	15.78
15)	TP	Methylene chlo		0.199	0.225	0.218	0.199	0.218	0.220	0.217	0.214	4.92
17)	TP	Acetone			0.058	0.055	0.048	0.055	0.053	0.052	0.054	6.33
18)	TP	trans-1,2-Dich		0.168	0.213	0.214	0.196	0.216	0.219	0.215	0.206	8.78
19)	TP	Methyl acetate			0.147	0.148	0.131	0.148	0.148	0.145	0.144	4.70
20)	TP	Methyl tert butyl ether		0.431	0.474	0.499	0.474	0.543	0.548	0.543	0.502	8.91
21)	TP	tert-Butyl alc			0.008	0.010	0.009	0.012	0.012	0.013	0.011	18.01
22)	TP	Diisopropyl ether		0.960	1.053	1.104	1.047	1.164	1.161	1.122	1.087	6.69
23)	TP	1,1-Dichloroet		0.422	0.497	0.492	0.449	0.491	0.496	0.483	0.476	6.06
24)	TP	Halothane		0.120	0.162	0.158	0.146	0.160	0.162	0.160	0.153	10.10
25)	TP	Acrylonitrile		0.039	0.064	0.067	0.062	0.070	0.070	0.070	0.063	17.95
26)	TP	Ethyl tert-but		0.699	0.770	0.830	0.795	0.888	0.895	0.877	0.822	8.81
27)	TP	Vinyl acetate		0.522	0.567	0.579	0.539	0.603	0.653	0.636	0.585	8.29
28)	TP	cis-1,2-Dichlo		0.206	0.232	0.236	0.214	0.236	0.238	0.234	0.228	5.53
29)	TP	2,2-Dichloropr		0.299	0.340	0.342	0.310	0.338	0.340	0.332	0.329	5.21
30)	TP	Bromochloromet		0.075	0.103	0.102	0.094	0.103	0.104	0.097	0.097#	10.64
31)	TP	Cyclohexane		0.433	0.518	0.532	0.484	0.537	0.541	0.527	0.510	7.61
32)	TC	Chloroform		0.375	0.404	0.392	0.359	0.388	0.393	0.383	0.385	3.80
33)	TP	Ethyl acetate			0.193	0.203	0.192	0.220	0.220	0.217	0.208	6.39
34)	TP	Carbon tetrachloride	0.183	0.257	0.305	0.308	0.279	0.308	0.314	0.307	0.282	15.80
35)	TP	Tetrahydrofuran			0.056	0.053	0.050	0.060	0.059	0.058	0.056	7.15
36)	S	Dibromofluoromethane	0.259	0.263	0.258	0.257	0.256	0.257	0.252	0.252	0.257	1.34
37)	TP	1,1,1-Trichlor		0.283	0.340	0.342	0.314	0.344	0.350	0.343	0.331	7.28
39)	TP	2-Butanone			0.076	0.085	0.079	0.092	0.090	0.089	0.085	7.39

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2373323**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL20635**
Calibration dates	**: 12/06/23 11:22 12/06/23 15:04**		

Calibration Files
L11 =V08231206A03.d L1 =V08231206A06.d L2 =V08231206A07.d L3 =V08231206A09.d L4 =V08231206A10.d
L6 =V08231206A11.d L8 =V08231206A12.d L10 =V08231206A13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.237	0.297	0.301	0.279	0.310	0.313	0.309	0.292	9.21
41) TP	Benzene	0.697	0.762	0.845	0.853	0.784	0.859	0.875	0.854	0.816	7.60
42) TP	Tertiary-Amyl Methyl Ether		0.434	0.499	0.531	0.508	0.582	0.591	0.587	0.533	10.93
43) S	1,2-Dichloroethane-d4	0.311	0.318	0.317	0.329	0.312	0.318	0.311	0.313	0.316	1.90
44) TP	1,2-Dichloroet		0.267	0.316	0.315	0.289	0.321	0.321	0.313	0.306	6.65
47) TP	Methyl cyclohe		0.285	0.339	0.355	0.324	0.365	0.368	0.366	0.343	8.79
48) TP	Trichloroethene	0.158	0.178	0.221	0.227	0.208	0.229	0.228	0.223	0.209	12.71
50) TP	Dibromomethane		0.088	0.115	0.114	0.105	0.119	0.121	0.120	0.112	10.47
51) TC	1,2-Dichloropr		0.246	0.274	0.273	0.251	0.278	0.281	0.277	0.269	5.28
53) TP	2-Chloroethyl			0.108	0.119	0.119	0.139	0.141	0.140	0.128	11.04
54) TP	Bromodichlorom		0.256	0.291	0.295	0.272	0.306	0.313	0.309	0.292#	7.17
57) TP	1,4-Dioxane		0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001#	16.85
58) TP	cis-1,3-Dichloropropene	0.248	0.280	0.326	0.345	0.329	0.369	0.374	0.371	0.330	13.82
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.292	1.278	1.298	1.293	1.317	1.298	1.300	1.306	1.298	0.88
61) TC	Toluene		0.648	0.710	0.694	0.664	0.720	0.727	0.718	0.697	4.32
62) TP	4-Methyl-2-pen		0.054	0.073	0.086	0.087	0.101	0.102	0.103	*L	0.9982
63) TP	Tetrachloroethene		0.253	0.294	0.294	0.277	0.296	0.298	0.297	0.287	5.73
65) TP	trans-1,3-Dichloropropene	0.333	0.337	0.369	0.398	0.389	0.431	0.431	0.427	0.390	10.27
67) TP	Ethyl methacry		0.188	0.216	0.244	0.249	0.284	0.287	0.290	0.251	15.51
68) TP	1,1,2-Trichlor		0.146	0.186	0.185	0.176	0.189	0.190	0.187	0.180#	8.67
69) TP	Chlorodibromom		0.224	0.248	0.253	0.251	0.280	0.285	0.285	0.261	8.88
70) TP	1,3-Dichloropr		0.344	0.374	0.386	0.369	0.402	0.403	0.399	0.382	5.66
71) TP	1,2-Dibromoethane		0.174	0.195	0.206	0.200	0.219	0.221	0.219	0.205	8.31
72) TP	2-Hexanone		0.111	0.142	0.159	0.159	0.187	0.185	0.187	0.161	17.57
73) TP	Chlorobenzene		0.727	0.776	0.762	0.726	0.780	0.790	0.780	0.763	3.45
74) TC	Ethylbenzene		1.166	1.304	1.327	1.278	1.367	1.385	1.364	1.313	5.73
75) TP	1,1,1,2-Tetrac		0.239	0.275	0.284	0.273	0.297	0.299	0.295	0.280	7.55
76) TP	p/m Xylene		0.413	0.494	0.508	0.487	0.518	0.517	0.502	0.491	7.37
77) TP	o Xylene		0.396	0.478	0.498	0.473	0.506	0.504	0.486	0.477	7.94
78) TP	Styrene		0.618	0.762	0.812	0.775	0.832	0.828	0.796	0.775	9.52
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.239	0.270	0.273	0.278	0.312	0.311	0.317	0.286	10.05
82) TP	Isopropylbenzene		2.049	2.355	2.424	2.439	2.619	2.596	2.609	2.442	8.28
83) S	4-Bromofluorobenzene	0.955	0.935	0.920	0.930	0.952	0.951	0.938	0.969	0.944	1.66
84) TP	Bromobenzene		0.553	0.603	0.591	0.585	0.628	0.624	0.628	0.602	4.61

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2373323**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL20635**
Calibration dates	**: 12/06/23 11:22 12/06/23 15:04**		

Calibration Files
L11 =V08231206A03.d L1 =V08231206A06.d L2 =V08231206A07.d L3 =V08231206A09.d L4 =V08231206A10.d
L6 =V08231206A11.d L8 =V08231206A12.d L10 =V08231206A13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.556	2.916	2.917	2.940	3.121	3.071	3.050	2.939	6.38
86) TP	1,4-Dichlorobu		0.880	0.921	0.908	0.912	0.987	0.965	0.965	0.934	4.14
87) TP	1,1,2,2-Tetrac		0.447	0.485	0.459	0.461	0.503	0.502	0.513	0.481	5.37
88) TP	4-Ethyltoluene		1.955	2.365	2.425	2.455	2.621	2.575	2.569	2.424	9.33
89) TP	2-Chlorotoluene		1.613	1.816	1.781	1.771	1.894	1.822	1.844	1.792	4.94
90) TP	1,3,5-Trimethy		1.772	2.054	2.112	2.129	2.269	2.219	2.203	2.108	7.84
91) TP	1,2,3-Trichlor		0.335	0.383	0.361	0.365	0.401	0.394	0.393	0.376	6.29
92) TP	trans-1,4-Dich		0.147	0.174	0.179	0.179	0.200	0.199	0.198	0.183	10.46
93) TP	4-Chlorotoluene		1.674	1.888	1.840	1.835	1.960	1.939	1.940	1.868	5.30
94) TP	tert-Butylbenzene		1.442	1.746	1.772	1.783	1.899	1.860	1.851	1.765	8.64
97) TP	1,2,4-Trimethy		1.667	2.009	2.057	2.102	2.234	2.192	2.197	2.065	9.37
98) TP	sec-Butylbenzene		2.156	2.636	2.614	2.630	2.805	2.724	2.710	2.611	8.10
99) TP	p-Isopropyltol		1.694	2.156	2.221	2.281	2.443	2.362	2.367	2.218	11.28
100) TP	1,3-Dichlorobe		1.067	1.191	1.149	1.143	1.214	1.183	1.183	1.161	4.15
101) TP	1,4-Dichlorobe		1.151	1.199	1.141	1.144	1.209	1.182	1.182	1.172	2.33
102) TP	p-Diethylbenzene		1.062	1.256	1.327	1.365	1.471	1.424	1.443	1.335	10.59
103) TP	n-Butylbenzene		1.667	1.963	1.994	1.988	2.136	2.067	2.085	1.986	7.73
104) TP	1,2-Dichlorobe		1.028	1.108	1.067	1.058	1.122	1.089	1.093	1.081	2.97
105) TP	1,2,4,5-Tetram		1.496	1.874	2.116	2.202	2.354	2.295	2.332	2.096	14.87
106) TP	1,2-Dibromo-3-		0.016	0.057	0.060	0.063	0.071	0.073	0.075	*L	0.9981
107) TP	1,3,5-Trichlor		0.793	0.891	0.859	0.873	0.918	0.897	0.903	0.876	4.73
108) TP	Hexachlorobuta		0.311	0.348	0.351	0.352	0.377	0.359	0.377	0.354	6.36
109) TP	1,2,4-Trichlor		0.682	0.701	0.715	0.750	0.808	0.793	0.800	0.750	6.89
110) TP	Naphthalene		1.080	1.104	1.273	1.357	1.530	1.516	1.559	1.346	14.96
111) TP	1,2,3-Trichlor		0.560	0.609	0.634	0.654	0.710	0.694	0.706	0.653	8.57

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2373323**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL20680**
Calibration dates	**: 12/15/23 12:34 12/15/23 16:29**		

Calibration Files

L11 =V01231215A03.D L1 =V01231215A04.D L2 =V01231215A06.D L3 =V01231215A08.D L4 =V01231215A09.D

L6 =V01231215A10.D L8 =V01231215A11.D L10 =V01231215A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.221	0.310	0.271	0.260	0.298	0.292	0.303	0.279	11.16
3)	TP	Chloromethane		0.333	0.378	0.365	0.352	0.367	0.359	0.376	0.361	4.28
4)	TC	Vinyl chloride	0.274	0.273	0.354	0.324	0.316	0.340	0.332	0.347	0.320	9.76
5)	TP	Bromomethane		0.123	0.149	0.146	0.149	0.166	0.170	0.188	0.156	13.37
6)	TP	Chloroethane		0.217	0.209	0.195	0.188	0.189	0.176	0.171	0.192	8.59
7)	TP	Trichlorofluor		0.273	0.374	0.337	0.325	0.371	0.358	0.367	0.343	10.56
8)	TP	Ethyl ether		0.120	0.106	0.110	0.104	0.107	0.104	0.103	0.108	5.51
10)	TC	1,1-Dichloroet		0.202	0.235	0.213	0.208	0.225	0.221	0.230	0.219	5.51
11)	TP	Carbon disulfide		0.615	0.712	0.669	0.647	0.689	0.685	0.718	0.676	5.39
12)	TP	Freon-113		0.164	0.254	0.224	0.220	0.252	0.244	0.248	0.229	13.80
13)	TP	Iodomethane		0.212	0.278	0.344	0.363	0.373	0.349	0.353	0.325	18.02
14)	TP	Acrolein		0.042	0.033	0.035	0.032	0.035	0.033	0.034	0.035	9.73
15)	TP	Methylene chlo		0.247	0.244	0.242	0.231	0.237	0.231	0.238	0.239	2.56
17)	TP	Acetone			0.053	0.050	0.044	0.047	0.046	0.046	0.048	6.93
18)	TP	trans-1,2-Dich		0.221	0.253	0.247	0.244	0.252	0.246	0.260	0.246	5.01
19)	TP	Methyl acetate		0.120	0.123	0.129	0.123	0.133	0.128	0.124	0.126	3.62
20)	TP	Methyl tert butyl ether		0.545	0.565	0.572	0.545	0.577	0.563	0.565	0.562	2.18
21)	TP	tert-Butyl alc		0.012	0.015	0.016	0.016	0.017	0.017	0.017	0.016	10.00
22)	TP	Diisopropyl ether		0.895	0.931	0.939	0.918	0.949	0.927	0.947	0.929	2.02
23)	TP	1,1-Dichloroet		0.445	0.510	0.490	0.480	0.494	0.479	0.502	0.486	4.37
24)	TP	Halothane		0.165	0.192	0.188	0.184	0.199	0.196	0.205	0.190	6.79
25)	TP	Acrylonitrile		0.050	0.057	0.061	0.057	0.063	0.062	0.062	0.059	7.88
26)	TP	Ethyl tert-but		0.740	0.776	0.790	0.771	0.803	0.785	0.800	0.781	2.74
27)	TP	Vinyl acetate		0.481	0.499	0.497	0.451	0.455	0.455	0.447	0.469	4.81
28)	TP	cis-1,2-Dichlo		0.246	0.283	0.280	0.272	0.277	0.270	0.282	0.273	4.73
29)	TP	2,2-Dichloropr		0.331	0.392	0.369	0.361	0.379	0.361	0.371	0.366	5.21
30)	TP	Bromochloromet		0.122	0.125	0.126	0.122	0.124	0.118	0.117	0.122	2.76
31)	TP	Cyclohexane		0.353	0.522	0.476	0.474	0.550	0.538	0.566	0.497	14.64
32)	TC	Chloroform		0.409	0.428	0.431	0.424	0.432	0.422	0.436	0.426	2.11
33)	TP	Ethyl acetate		0.163	0.194	0.194	0.184	0.198	0.192	0.190	0.188	6.32
34)	TP	Carbon tetrachloride	0.284	0.264	0.358	0.333	0.329	0.366	0.358	0.375	0.333	11.97
35)	TP	Tetrahydrofuran		0.075	0.059	0.054	0.051	0.052	0.050	0.050	0.056	16.00
36)	S	Dibromofluoromethane	0.253	0.253	0.253	0.255	0.258	0.257	0.258	0.257	0.256	0.93
37)	TP	1,1,1-Trichlor		0.329	0.407	0.383	0.378	0.402	0.391	0.406	0.385	7.07
39)	TP	2-Butanone			0.070	0.075	0.073	0.081	0.078	0.079	0.076	5.27

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2373323**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL20680**
Calibration dates	**: 12/15/23 12:34 12/15/23 16:29**		

Calibration Files
L11 =V01231215A03.D L1 =V01231215A04.D L2 =V01231215A06.D L3 =V01231215A08.D L4 =V01231215A09.D
L6 =V01231215A10.D L8 =V01231215A11.D L10 =V01231215A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.270	0.350	0.336	0.328	0.359	0.348	0.363	0.336	9.41
41)	TP	Benzene	0.878	0.877	0.992	0.981	0.959	0.981	0.951	0.986	0.951	4.96
42)	TP	Tertiary-Amyl Methyl Ether		0.576	0.610	0.625	0.606	0.638	0.620	0.628	0.615	3.30
43)	S	1,2-Dichloroethane-d4	0.286	0.284	0.285	0.285	0.285	0.296	0.294	0.300	0.289	2.16
44)	TP	1,2-Dichloroet		0.305	0.329	0.326	0.312	0.324	0.313	0.316	0.318	2.74
47)	TP	Methyl cyclohe		0.272	0.435	0.404	0.403	0.467	0.462	0.491	0.419	17.37
48)	TP	Trichloroethene	0.256	0.249	0.274	0.266	0.262	0.277	0.269	0.286	0.267	4.42
50)	TP	Dibromomethane		0.126	0.133	0.136	0.132	0.140	0.137	0.139	0.135	3.64
51)	TC	1,2-Dichloropr		0.234	0.267	0.272	0.264	0.271	0.265	0.274	0.264	5.12
53)	TP	2-Chloroethyl			0.063	0.079	0.068	0.078	0.079	0.081	0.075	9.83
54)	TP	Bromodichlorom		0.286	0.324	0.332	0.322	0.334	0.326	0.337	0.323	5.35
57)	TP	1,4-Dioxane		0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002#	14.31
58)	TP	cis-1,3-Dichlo		0.312	0.368	0.390	0.386	0.401	0.391	0.401	0.379	8.23
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.201	1.189	1.184	1.184	1.172	1.174	1.167	1.154	1.178	1.23
61)	TC	Toluene		0.686	0.749	0.757	0.735	0.751	0.728	0.759	0.738	3.46
62)	TP	4-Methyl-2-pen		0.050	0.070	0.082	0.078	0.086	0.084	0.084	0.076	16.77
63)	TP	Tetrachloroethene		0.252	0.345	0.333	0.323	0.346	0.338	0.352	0.327	10.61
65)	TP	trans-1,3-Dich		0.332	0.368	0.398	0.394	0.412	0.401	0.407	0.387	7.30
67)	TP	Ethyl methacry		0.198	0.236	0.275	0.272	0.292	0.286	0.286	0.264	13.02
68)	TP	1,1,2-Trichlor		0.180	0.186	0.195	0.186	0.193	0.187	0.189	0.188#	2.56
69)	TP	Chlorodibromom		0.240	0.267	0.281	0.270	0.286	0.281	0.287	0.273	6.02
70)	TP	1,3-Dichloropr		0.326	0.379	0.389	0.372	0.384	0.372	0.374	0.371	5.59
71)	TP	1,2-Dibromoethane		0.202	0.219	0.232	0.222	0.235	0.228	0.229	0.224	4.99
72)	TP	2-Hexanone			0.123	0.142	0.140	0.153	0.151	0.148	0.143	7.64
73)	TP	Chlorobenzene		0.781	0.851	0.859	0.830	0.849	0.830	0.857	0.837	3.25
74)	TC	Ethylbenzene		1.158	1.431	1.473	1.437	1.489	1.446	1.499	1.419	8.31
75)	TP	1,1,1,2-Tetrac		0.260	0.305	0.311	0.301	0.311	0.306	0.314	0.301	6.14
76)	TP	p/m Xylene		0.456	0.555	0.571	0.561	0.583	0.569	0.584	0.554	8.05
77)	TP	o Xylene		0.465	0.543	0.559	0.542	0.558	0.546	0.559	0.539	6.17
78)	TP	Styrene		0.724	0.855	0.917	0.910	0.937	0.915	0.919	0.882	8.45
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.265	0.284	0.298	0.299	0.320	0.317	0.318	0.300	6.79
82)	TP	Isopropylbenzene		2.099	2.669	2.595	2.593	2.681	2.628	2.714	2.569	8.25
83)	S	4-Bromofluorobenzene	0.867	0.860	0.862	0.853	0.856	0.848	0.838	0.831	0.852	1.45
84)	TP	Bromobenzene		0.551	0.633	0.629	0.620	0.626	0.613	0.626	0.614	4.62

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2373323**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL20680**
Calibration dates	**: 12/15/23 12:34 12/15/23 16:29**		

Calibration Files
L11 =V01231215A03.D L1 =V01231215A04.D L2 =V01231215A06.D L3 =V01231215A08.D L4 =V01231215A09.D
L6 =V01231215A10.D L8 =V01231215A11.D L10 =V01231215A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.405	3.020	2.982	3.019	3.117	3.045	3.128	2.960	8.45
86) TP	1,4-Dichlorobu		0.697	0.729	0.741	0.716	0.749	0.737	0.739	0.730	2.44
87) TP	1,1,2,2-Tetrac		0.442	0.488	0.495	0.471	0.492	0.480	0.475	0.478	3.79
88) TP	4-Ethyltoluene		2.018	2.535	2.519	2.554	2.623	2.569	2.661	2.497	8.68
89) TP	2-Chlorotoluene		1.564	1.780	1.788	1.782	1.788	1.756	1.817	1.754	4.88
90) TP	1,3,5-Trimethy		1.682	2.108	2.116	2.135	2.191	2.172	2.255	2.094	9.01
91) TP	1,2,3-Trichlor		0.332	0.370	0.373	0.358	0.381	0.371	0.376	0.366	4.49
92) TP	trans-1,4-Dich		0.131	0.135	0.153	0.148	0.156	0.152	0.149	0.146	6.46
93) TP	4-Chlorotoluene		1.537	1.752	1.838	1.828	1.849	1.810	1.869	1.783	6.44
94) TP	tert-Butylbenzene		1.397	1.789	1.754	1.770	1.846	1.827	1.906	1.756	9.47
97) TP	1,2,4-Trimethy		1.665	2.049	2.074	2.084	2.117	2.088	2.178	2.037	8.29
98) TP	sec-Butylbenzene		1.981	2.542	2.464	2.517	2.677	2.650	2.766	2.514	10.22
99) TP	p-Isopropyltol		1.643	2.126	2.121	2.169	2.280	2.277	2.378	2.142	11.16
100) TP	1,3-Dichlorobe		0.978	1.133	1.162	1.167	1.184	1.163	1.196	1.141	6.52
101) TP	1,4-Dichlorobe		1.077	1.173	1.165	1.168	1.179	1.163	1.197	1.160	3.31
102) TP	p-Diethylbenzene		0.907	1.202	1.214	1.259	1.319	1.325	1.402	1.233	12.93
103) TP	n-Butylbenzene		1.210	1.642	1.669	1.727	1.827	1.828	1.936	1.691	13.92
104) TP	1,2-Dichlorobe		0.909	1.046	1.063	1.053	1.070	1.055	1.077	1.039	5.61
105) TP	1,2,4,5-Tetram		1.377	1.649	1.722	1.781	1.850	1.884	1.931	1.742	10.77
106) TP	1,2-Dibromo-3-		0.053	0.063	0.068	0.066	0.073	0.072	0.072	0.067	10.86
107) TP	1,3,5-Trichlor		0.560	0.642	0.655	0.680	0.698	0.717	0.731	0.669	8.60
108) TP	Hexachlorobuta		0.163	0.220	0.216	0.225	0.243	0.253	0.265	0.226	14.73
109) TP	1,2,4-Trichlor		0.461	0.525	0.556	0.566	0.594	0.606	0.604	0.559	9.29
110) TP	Naphthalene		0.940	1.097	1.203	1.188	1.266	1.261	1.202	1.165	9.80
111) TP	1,2,3-Trichlor		0.363	0.429	0.450	0.451	0.473	0.479	0.477	0.446	9.17

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2373323	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA108		Calibration Date	: 12/18/23 06:51	
Lab File ID	: V08231218A01		Init. Calib. Date(s)	: 12/06/23	12/06/23
Sample No	: WG1865366-2		Init. Calib. Times	: 11:22	15:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	84	0
Dichlorodifluoromethane	0.28	0.215	-	23.2*	20	62	0
Chloromethane	0.464	0.433	-	6.7	20	76	0
Vinyl chloride	10	10.879	-	-8.8	20	98	0
Bromomethane	10	11.774	-	-17.7	20	107	0
Chloroethane	0.141	0.18	-	-27.7*	20	104	0
Trichlorofluoromethane	0.262	0.322	-	-22.9*	20	99	0
Ethyl ether	0.074	0.095	-	-28.4*	20	104	0
1,1-Dichloroethene	0.184	0.189	-	-2.7	20	84	0
Carbon disulfide	0.681	0.695	-	-2.1	20	85	0
Freon-113	0.19	0.206	-	-8.4	20	87	0
Iodomethane	10	9.115	-	8.8	20	91	0
Acrolein	0.033	0.031	-	6.1	20	80	0
Methylene chloride	0.214	0.217	-	-1.4	20	84	0
Acetone	0.054	0.055	-	-1.9	20	84	0
trans-1,2-Dichloroethene	0.206	0.206	-	0	20	81	0
Methyl acetate	0.144	0.146	-	-1.4	20	83	0
Methyl tert-butyl ether	0.502	0.463	-	7.8	20	78	0
tert-Butyl alcohol	0.011	0.014	-	-27.3*	20	120	0
Diisopropyl ether	1.087	1.026	-	5.6	20	78	0
1,1-Dichloroethane	0.476	0.495	-	-4	20	85	0
Halothane	0.153	0.157	-	-2.6	20	84	0
Acrylonitrile	0.063	0.065	-	-3.2	20	82	0
Ethyl tert-butyl ether	0.822	0.774	-	5.8	20	79	0
Vinyl acetate	0.585	0.611	-	-4.4	20	89	0
cis-1,2-Dichloroethene	0.228	0.229	-	-0.4	20	82	0
2,2-Dichloropropane	0.329	0.362	-	-10	20	89	0
Bromochloromethane	0.097	0.103	-	-6.2	20	85	0
Cyclohexane	0.51	0.492	-	3.5	20	78	0
Chloroform	0.385	0.404	-	-4.9	20	87	0
Ethyl acetate	0.208	0.205	-	1.4	20	85	0
Carbon tetrachloride	0.282	0.316	-	-12.1	20	87	0
Tetrahydrofuran	0.056	0.055	-	1.8	20	87	0
Dibromofluoromethane	0.257	0.275	-	-7	20	90	0
1,1,1-Trichloroethane	0.331	0.348	-	-5.1	20	86	0
2-Butanone	0.085	0.085	-	0	20	85	0
1,1-Dichloropropene	0.292	0.289	-	1	20	81	0
Benzene	0.816	0.843	-	-3.3	20	83	0
tert-Amyl methyl ether	0.533	0.494	-	7.3	20	79	0
1,2-Dichloroethane-d4	0.316	0.37	-	-17.1	20	95	0
1,2-Dichloroethane	0.306	0.334	-	-9.2	20	90	0
Methyl cyclohexane	0.343	0.339	-	1.2	20	81	0
Trichloroethene	0.209	0.229	-	-9.6	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2373323	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA108		Calibration Date	: 12/18/23 06:51	
Lab File ID	: V08231218A01		Init. Calib. Date(s)	: 12/06/23	12/06/23
Sample No	: WG1865366-2		Init. Calib. Times	: 11:22	15:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.112	0.118	-	-5.4	20	87	0
1,2-Dichloropropane	0.269	0.264	-	1.9	20	82	0
Bromodichloromethane	0.292	0.298*	-	-2.1	20	85	0
1,4-Dioxane	0.00068	0.00109*	-	-60.3*	20	138	0
cis-1,3-Dichloropropene	0.33	0.339	-	-2.7	20	83	0
Chlorobenzene-d5	1	1	-	0	20	77	0
Toluene-d8	1.298	1.416	-	-9.1	20	85	0
Toluene	0.697	0.751	-	-7.7	20	84	0
4-Methyl-2-pentanone	10	8.68	-	13.2	20	76	0
Tetrachloroethene	0.287	0.313	-	-9.1	20	82	0
trans-1,3-Dichloropropene	0.39	0.43	-	-10.3	20	84	0
Ethyl methacrylate	0.251	0.235	-	6.4	20	74	0
1,1,2-Trichloroethane	0.18	0.207	-	-15	20	87	0
Chlorodibromomethane	0.261	0.282	-	-8	20	86	0
1,3-Dichloropropane	0.382	0.412	-	-7.9	20	83	0
1,2-Dibromoethane	0.205	0.223	-	-8.8	20	84	0
2-Hexanone	0.161	0.158	-	1.9	20	77	0
Chlorobenzene	0.763	0.829	-	-8.7	20	84	0
Ethylbenzene	1.313	1.405	-	-7	20	82	0
1,1,1,2-Tetrachloroethane	0.28	0.314	-	-12.1	20	86	0
p/m Xylene	0.491	0.545	-	-11	20	83	0
o Xylene	0.477	0.53	-	-11.1	20	82	0
Styrene	0.775	0.875	-	-12.9	20	83	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	71	0
Bromoform	0.286	0.328	-	-14.7	20	85	0
Isopropylbenzene	2.442	2.779	-	-13.8	20	81	0
4-Bromofluorobenzene	0.944	0.97	-	-2.8	20	74	0
Bromobenzene	0.602	0.692	-	-15	20	83	0
n-Propylbenzene	2.939	3.504	-	-19.2	20	85	0
1,4-Dichlorobutane	0.934	1.087	-	-16.4	20	85	0
1,1,2,2-Tetrachloroethane	0.481	0.569	-	-18.3	20	88	0
4-Ethyltoluene	2.424	2.841	-	-17.2	20	83	0
2-Chlorotoluene	1.792	2.147	-	-19.8	20	85	0
1,3,5-Trimethylbenzene	2.108	2.511	-	-19.1	20	84	0
1,2,3-Trichloropropane	0.376	0.46	-	-22.3*	20	90	0
trans-1,4-Dichloro-2-buten	0.183	0.219	-	-19.7	20	86	0
4-Chlorotoluene	1.868	2.195	-	-17.5	20	84	0
tert-Butylbenzene	1.765	2.023	-	-14.6	20	81	0
1,2,4-Trimethylbenzene	2.065	2.434	-	-17.9	20	83	0
sec-Butylbenzene	2.611	3.095	-	-18.5	20	84	0
p-Isopropyltoluene	2.218	2.591	-	-16.8	20	82	0
1,3-Dichlorobenzene	1.161	1.367	-	-17.7	20	84	0
1,4-Dichlorobenzene	1.172	1.371	-	-17	20	85	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2373323		
Project Name	: TROY BELTING	**Project Number**	: 2011-31		
Instrument ID	: VOA108	**Calibration Date**	: 12/18/23 06:51		
Lab File ID	: V08231218A01	**Init. Calib. Date(s)**	: 12/06/23	12/06/23	
Sample No	: WG1865366-2	**Init. Calib. Times**	: 11:22	15:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.335	1.535	-	-15	20	82	0
n-Butylbenzene	1.986	2.447	-	-23.2*	20	87	0
1,2-Dichlorobenzene	1.081	1.259	-	-16.5	20	83	0
1,2,4,5-Tetramethylbenzene	2.096	2.312	-	-10.3	20	77	0
1,2-Dibromo-3-chloropropan	10	9.978	-	0.2	20	81	0
1,3,5-Trichlorobenzene	0.876	1.029	-	-17.5	20	85	0
Hexachlorobutadiene	0.354	0.415	-	-17.2	20	83	0
1,2,4-Trichlorobenzene	0.75	0.813	-	-8.4	20	80	0
Naphthalene	1.346	1.358	-	-0.9	20	75	0
1,2,3-Trichlorobenzene	0.653	0.722	-	-10.6	20	80	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2373323	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA101		Calibration Date	: 12/19/23 05:30	
Lab File ID	: V01231219A01		Init. Calib. Date(s)	: 12/15/23	12/15/23
Sample No	: WG1865859-2		Init. Calib. Times	: 12:34	16:29
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	101	0
Dichlorodifluoromethane	0.279	0.28	-	-0.4	20	104	0
Chloromethane	0.361	0.343	-	5	20	94	0
Vinyl chloride	0.32	0.324	-	-1.3	20	101	0
Bromomethane	0.156	0.1	-	35.9*	20	69	0
Chloroethane	0.192	0.214	-	-11.5	20	110	0
Trichlorofluoromethane	0.343	0.375	-	-9.3	20	112	0
Ethyl ether	0.108	0.102	-	5.6	20	93	0
1,1-Dichloroethene	0.219	0.231	-	-5.5	20	109	0
Carbon disulfide	0.676	0.71	-	-5	20	107	0
Freon-113	0.229	0.257	-	-12.2	20	115	0
Acrolein	0.035	0.03	-	14.3	20	88	0
Methylene chloride	0.239	0.23	-	3.8	20	96	0
Acetone	0.048	0.043	-	10.4	20	86	0
trans-1,2-Dichloroethene	0.246	0.246	-	0	20	100	0
Methyl acetate	0.126	0.108	-	14.3	20	84	0
Methyl tert-butyl ether	0.562	0.503	-	10.5	20	89	0
tert-Butyl alcohol	0.016	0.013	-	18.8	20	80	0
Diisopropyl ether	0.929	0.855	-	8	20	91	0
1,1-Dichloroethane	0.486	0.477	-	1.9	20	98	0
Halothane	0.19	0.188	-	1.1	20	101	0
Acrylonitrile	0.059	0.051	-	13.6	20	83	0
Ethyl tert-butyl ether	0.781	0.714	-	8.6	20	91	0
Vinyl acetate	0.469	0.506	-	-7.9	20	102	0
cis-1,2-Dichloroethene	0.273	0.269	-	1.5	20	96	0
2,2-Dichloropropane	0.366	0.392	-	-7.1	20	107	0
Bromochloromethane	0.122	0.117	-	4.1	20	94	0
Cyclohexane	0.497	0.508	-	-2.2	20	107	0
Chloroform	0.426	0.423	-	0.7	20	99	0
Ethyl acetate	0.188	0.166	-	11.7	20	86	0
Carbon tetrachloride	0.333	0.345	-	-3.6	20	104	0
Tetrahydrofuran	0.056	0.045	-	19.6	20	84	0
Dibromofluoromethane	0.256	0.256	-	0	20	101	0
1,1,1-Trichloroethane	0.385	0.393	-	-2.1	20	103	0
2-Butanone	0.076	0.065	-	14.5	20	88	0
1,1-Dichloropropene	0.336	0.346	-	-3	20	104	0
Benzene	0.951	0.956	-	-0.5	20	98	0
tert-Amyl methyl ether	0.615	0.554	-	9.9	20	89	0
1,2-Dichloroethane-d4	0.289	0.282	-	2.4	20	99	0
1,2-Dichloroethane	0.318	0.308	-	3.1	20	95	0
Methyl cyclohexane	0.419	0.433	-	-3.3	20	108	0
Trichloroethene	0.267	0.269	-	-0.7	20	102	0
Dibromomethane	0.135	0.128	-	5.2	20	95	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2373323	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA101		Calibration Date	: 12/19/23 05:30	
Lab File ID	: V01231219A01		Init. Calib. Date(s)	: 12/15/23	12/15/23
Sample No	: WG1865859-2		Init. Calib. Times	: 12:34	16:29
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.264	0.258	-	2.3	20	95	0
Bromodichloromethane	0.323	0.317	-	1.9	20	96	0
1,4-Dioxane	0.00152	0.00127*	-	16.4	20	79	0
cis-1,3-Dichloropropene	0.379	0.367	-	3.2	20	95	0
Chlorobenzene-d5	1	1	-	0	20	105	0
Toluene-d8	1.178	1.153	-	2.1	20	103	0
Toluene	0.738	0.71	-	3.8	20	99	0
4-Methyl-2-pentanone	0.076	0.065	-	14.5	20	83	0
Tetrachloroethene	0.327	0.328	-	-0.3	20	104	0
trans-1,3-Dichloropropene	0.387	0.357	-	7.8	20	95	0
Ethyl methacrylate	0.264	0.227	-	14	20	87	0
1,1,2-Trichloroethane	0.188	0.174*	-	7.4	20	94	0
Chlorodibromomethane	0.273	0.24	-	12.1	20	90	0
1,3-Dichloropropane	0.371	0.349	-	5.9	20	95	0
1,2-Dibromoethane	0.224	0.205	-	8.5	20	93	0
2-Hexanone	0.143	0.109	-	23.8*	20	81	0
Chlorobenzene	0.837	0.802	-	4.2	20	98	0
Ethylbenzene	1.419	1.4	-	1.3	20	100	0
1,1,1,2-Tetrachloroethane	0.301	0.283	-	6	20	96	0
p/m Xylene	0.554	0.545	-	1.6	20	100	0
o Xylene	0.539	0.518	-	3.9	20	98	0
Styrene	0.882	0.854	-	3.2	20	98	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	107	0
Bromoform	0.3	0.245	-	18.3	20	88	0
Isopropylbenzene	2.569	2.49	-	3.1	20	103	0
4-Bromofluorobenzene	0.852	0.846	-	0.7	20	106	0
Bromobenzene	0.614	0.573	-	6.7	20	97	0
n-Propylbenzene	2.96	2.891	-	2.3	20	104	0
1,4-Dichlorobutane	0.73	0.643	-	11.9	20	93	0
1,1,2,2-Tetrachloroethane	0.478	0.422	-	11.7	20	91	0
4-Ethyltoluene	2.497	2.415	-	3.3	20	103	0
2-Chlorotoluene	1.754	1.662	-	5.2	20	99	0
1,3,5-Trimethylbenzene	2.094	2.01	-	4	20	102	0
1,2,3-Trichloropropane	0.366	0.3	-	18	20	86	0
trans-1,4-Dichloro-2-buten	0.146	0.13	-	11	20	91	0
4-Chlorotoluene	1.783	1.701	-	4.6	20	99	0
tert-Butylbenzene	1.756	1.676	-	4.6	20	102	0
1,2,4-Trimethylbenzene	2.037	1.922	-	5.6	20	99	0
sec-Butylbenzene	2.514	2.418	-	3.8	20	105	0
p-Isopropyltoluene	2.142	2.028	-	5.3	20	102	0
1,3-Dichlorobenzene	1.141	1.075	-	5.8	20	99	0
1,4-Dichlorobenzene	1.16	1.075	-	7.3	20	99	0
p-Diethylbenzene	1.233	1.155	-	6.3	20	102	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2373323	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA101		Calibration Date	: 12/19/23 05:30	
Lab File ID	: V01231219A01		Init. Calib. Date(s)	: 12/15/23	12/15/23
Sample No	: WG1865859-2		Init. Calib. Times	: 12:34	16:29
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.691	1.634	-	3.4	20	105	0
1,2-Dichlorobenzene	1.039	0.958	-	7.8	20	96	0
1,2,4,5-Tetramethylbenzene	1.742	1.577	-	9.5	20	98	0
1,2-Dibromo-3-chloropropan	0.067	0.053	-	20.9*	20	84	0
1,3,5-Trichlorobenzene	0.669	0.611	-	8.7	20	100	0
Hexachlorobutadiene	0.226	0.216	-	4.4	20	107	0
1,2,4-Trichlorobenzene	0.559	0.48	-	14.1	20	92	0
Naphthalene	1.165	0.936	-	19.7	20	83	0
1,2,3-Trichlorobenzene	0.446	0.362*	-	18.8	20	86	0

* Value outside of QC limits.

Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2373323

S1= MW-6S **S2=** DUP12122023

Analyte	S1	S2	RPD (%)
1,1-Dichloroethane	38	39	3%
Vinyl chloride	1300	1300	0%
cis-1,2-Dichloroethene	340	340	0%
Acetone	**30**	**27**	NC

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Dissolved Gases by GC

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2373323

S1= MW-6S **S2=** DUP12122023

Analyte	S1	S2	RPD (%)
Methane	10600	9120	15%
Ethene	409	346	17%
Ethane	32.4	27.9	15%

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

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Geology
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April 4, 2024

Mr. Brian Chew, EIT
Environmental Engineer
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: Data Validation Report
Troy Belting (2011-31 task 911)
March 2024 Ground Water Sampling Events

Dear Mr. Chew:

The data usability summary reports (DUSRs) and QA/QC reviews are attached to this letter for the Troy Belting sampling events. The data for Alpha Analytical, SDG numbers: L2413423 and L2413544 are acceptable with some minor issues identified and discussed in the DUSRs and validation summaries. There are no data that are qualified as rejected, unusable (R) in the data packs.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Sterling Environmental Engineering, P.C.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Polyfluorinated Alkyl Substances (PFAS) Acronyms

PFBA	Perfluorobutanoic acid
PFPeA	Perfluoropentanoic acid
PFHxA	Perfluorohexanoic acid
PFHpA	Perfluoroheptanoic acid
PFOA	Perfluorooctanoic acid
PFNA	Perfluorononanoic acid
PFDA	Perfluorodecanoic acid
PFUnA	Perfluoroundecanoic acid
PFDoA	Perfluorododecanoic acid
PFTriA or PFTrDA	Perfluorotridecanoic acid
PFTeA or PFTA	Perfluorotetradecanoic acid
PFBS	Perfluorobutanesulfonic acid
PFPeS	Perfluoropentanesulfonic acid
PFHxS	Perfluorohexanesulfonic acid
PFHpS	Perfluoroheptanesulfonic acid
PFOS	Perfluorooctanesulfonic acid
PFNS	Perfluorononanesulfonic acid
PFDS	Perfluorodecanesulfonic acid
FOSA	Perfluorooctane Sulfonamide
NMeFOSAA	N-methyl perfluorooctane sulfonamidoacetic acid
NEtFOSAA	N-ethyl perfluorooctane sulfonamidoacetic acid
4:2 FTS or 4:2	1H, 1H, 2H, 2H-perfluorohexanesulfonic acid
6:2 FTS or 6:2	1H, 1H, 2H, 2H-perfluorooctanesulfonic acid or 6:2 Fluorotelomersulfonate
8:2 FTS or 8:2	1H, 1H, 2H, 2H-perfluorodecanesulfonic acid or 8:2 Fluorotelomersulfonate

L2413423

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Geology
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Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2413423

5 Ground Water Samples, 1 Equipment Blank,
and 1 Trip Blank
Collected March 12, 2024

Prepared by: Donald Anné
April 4, 2024

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile results for 5 ground water samples and trip bank; PFAS results for 5 ground water samples and 1 equipment blank; and 1,4-dioxane results for 5 ground water samples.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The volatile result for vinyl chloride for sample MW-6D was quantitated using data that was extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The result for vinyl chloride marked "E" in the undiluted sample was qualified as estimated (J).

- The positive volatile results for vinyl chloride were qualified as "estimated" (J) for samples MW-7S, MW-8S, and MW-6D' because the %D for vinyl chloride was above the allowable maximum in the associated continuing calibration verification sample.

- The positive volatile result for 1,1-dichloroethene was qualified as "estimated" (J) for sample MW-6D because the relative percent difference for 1,1-dichloroethene was above the allowable maximum in the associated aqueous LCS/LCSD.

- The positive volatile result for 2-butanone was qualified as "estimated, biased high" (J+) for sample MW-6D because 2 of 2 percent recoveries for 2-butanone were above QC limits in the aqueous MS/MSD.

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www.alphageoscience.com

- The “not detected” PFAS results for PFTeDA was qualified as “estimated” (UJ) for sample MW-8S because the percent recovery for the surrogate used to quantitate PFTeDA was below QC limits, but not below 10% in the sample.

All data are considered usable with estimated (J, J+, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-01	Date Collected	: 03/12/24 10:15
Client ID	: MW-7D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 01:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N17	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-01	Date Collected	: 03/12/24 10:15
Client ID	: MW-7D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 01:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N17	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-01	**Date Collected**	: 03/12/24 10:15
Client ID	: MW-7D	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/15/24 01:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240314N17	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-02	Date Collected	: 03/12/24 11:15
Client ID	: MW-7S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 02:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U	
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	0.10	1.0	0.07	J	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-02	Date Collected	: 03/12/24 11:15
Client ID	: MW-7S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 02:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N18	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	1.1	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-02	**Date Collected**	: 03/12/24 11:15
Client ID	: MW-7S	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/15/24 02:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240314N18	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-04	Date Collected	: 03/12/24 12:20
Client ID	: MW-8S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 02:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	8.3	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-04	Date Collected	: 03/12/24 12:20
Client ID	: MW-8S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 02:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N19	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	2.1	2.5	0.70	J
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-04	**Date Collected**	: 03/12/24 12:20
Client ID	: MW-8S	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/15/24 02:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240314N19	**Instrument ID**	: VOA105
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-05D	Date Collected	: 03/12/24 14:05
Client ID	: MW-6D'	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 03:04
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N20	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	10	2.8	U
75-34-3	1,1-Dichloroethane	4.4	10	2.8	J
67-66-3	Chloroform	ND	10	2.8	U
56-23-5	Carbon tetrachloride	ND	2.0	0.54	U
78-87-5	1,2-Dichloropropane	ND	4.0	0.55	U
124-48-1	Dibromochloromethane	ND	2.0	0.60	U
79-00-5	1,1,2-Trichloroethane	ND	6.0	2.0	U
127-18-4	Tetrachloroethene	ND	2.0	0.72	U
108-90-7	Chlorobenzene	ND	10	2.8	U
75-69-4	Trichlorofluoromethane	ND	10	2.8	U
107-06-2	1,2-Dichloroethane	ND	2.0	0.53	U
71-55-6	1,1,1-Trichloroethane	ND	10	2.8	U
75-27-4	Bromodichloromethane	ND	2.0	0.77	U
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.66	U
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.58	U
75-25-2	Bromoform	ND	8.0	2.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.67	U
71-43-2	Benzene	ND	2.0	0.64	U
108-88-3	Toluene	ND	10	2.8	U
100-41-4	Ethylbenzene	ND	10	2.8	U
74-87-3	Chloromethane	ND	10	2.8	U
74-83-9	Bromomethane	ND	10	2.8	U
75-01-4	Vinyl chloride	250	4.0	0.28	J
75-00-3	Chloroethane	ND	10	2.8	U
75-35-4	1,1-Dichloroethene	ND	2.0	0.68	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-05D	Date Collected	: 03/12/24 14:05
Client ID	: MW-6D'	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 03:04
Sample Matrix	: WATER	Dilution Factor	: 4
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N20	Instrument ID	: VOA105
Sample Amount	: 2.5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	10	2.8	U
79-01-6	Trichloroethene	ND	2.0	0.70	U
95-50-1	1,2-Dichlorobenzene	ND	10	2.8	U
541-73-1	1,3-Dichlorobenzene	ND	10	2.8	U
106-46-7	1,4-Dichlorobenzene	ND	10	2.8	U
1634-04-4	Methyl tert butyl ether	ND	10	2.8	U
179601-23-1	p/m-Xylene	ND	10	2.8	U
95-47-6	o-Xylene	ND	10	2.8	U
156-59-2	cis-1,2-Dichloroethene	340	10	2.8	
100-42-5	Styrene	ND	10	2.8	U
75-71-8	Dichlorodifluoromethane	ND	20	4.0	U
67-64-1	Acetone	ND	20	5.8	U
75-15-0	Carbon disulfide	ND	20	4.0	U
78-93-3	2-Butanone	ND	20	7.8	U
108-10-1	4-Methyl-2-pentanone	ND	20	4.0	U
591-78-6	2-Hexanone	ND	20	4.0	U
74-97-5	Bromochloromethane	ND	10	2.8	U
106-93-4	1,2-Dibromoethane	ND	8.0	2.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	2.8	U
98-82-8	Isopropylbenzene	ND	10	2.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	10	2.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	10	2.8	U
79-20-9	Methyl Acetate	ND	8.0	0.94	U
110-82-7	Cyclohexane	ND	40	1.1	U
123-91-1	1,4-Dioxane	ND	1000	240	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-05D	**Date Collected**	: 03/12/24 14:05
Client ID	: MW-6D'	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/15/24 03:04
Sample Matrix	: WATER	**Dilution Factor**	: 4
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V05240314N20	**Instrument ID**	: VOA105
Sample Amount	: 2.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	10	2.8	U
108-87-2	Methyl cyclohexane	ND	40	1.6	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-06D	Date Collected	: 03/12/24 14:40
Client ID	: MW-6D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 03:29
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N21	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	5.0	1.4	U	
75-34-3	1,1-Dichloroethane	32	5.0	1.4		
67-66-3	Chloroform	ND	5.0	1.4	U	
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U	
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U	
124-48-1	Dibromochloromethane	ND	1.0	0.30	U	
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U	
127-18-4	Tetrachloroethene	ND	1.0	0.36	U	
108-90-7	Chlorobenzene	ND	5.0	1.4	U	
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U	
75-27-4	Bromodichloromethane	ND	1.0	0.38	U	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U	
75-25-2	Bromoform	ND	4.0	1.3	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U	
71-43-2	Benzene	ND	1.0	0.32	U	
108-88-3	Toluene	ND	5.0	1.4	U	
100-41-4	Ethylbenzene	ND	5.0	1.4	U	
74-87-3	Chloromethane	ND	5.0	1.4	U	
74-83-9	Bromomethane	ND	5.0	1.4	U	
75-01-4	Vinyl chloride	910	2.0	0.14	E	J
75-00-3	Chloroethane	ND	5.0	1.4	U	
75-35-4	1,1-Dichloroethene	0.44	1.0	0.34	J	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-06D	Date Collected	: 03/12/24 14:40
Client ID	: MW-6D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 03:29
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N21	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	3.4	5.0	1.4	J	
79-01-6	Trichloroethene	ND	1.0	0.35	U	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U	
1634-04-4	Methyl tert butyl ether	ND	5.0	1.4	U	
179601-23-1	p/m-Xylene	ND	5.0	1.4	U	
95-47-6	o-Xylene	ND	5.0	1.4	U	
156-59-2	cis-1,2-Dichloroethene	160	5.0	1.4		
100-42-5	Styrene	ND	5.0	1.4	U	
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U	
67-64-1	Acetone	66	10	2.9		
75-15-0	Carbon disulfide	ND	10	2.0	U	
78-93-3	2-Butanone	7.9	10	3.9	J	J+
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U	
591-78-6	2-Hexanone	ND	10	2.0	U	
74-97-5	Bromochloromethane	ND	5.0	1.4	U	
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U	
98-82-8	Isopropylbenzene	ND	5.0	1.4	U	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U	
79-20-9	Methyl Acetate	ND	4.0	0.47	U	
110-82-7	Cyclohexane	ND	20	0.54	U	
123-91-1	1,4-Dioxane	ND	500	120	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-06D	Date Collected	: 03/12/24 14:40
Client ID	: MW-6D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 03:29
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N21	Instrument ID	: VOA105
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-06D2	**Date Collected**	: 03/12/24 14:40
Client ID	: MW-6D	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/15/24 11:37
Sample Matrix	: WATER	**Dilution Factor**	: 20
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V01240315A12	**Instrument ID**	: VOA101
Sample Amount	: 0.5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	820	20	1.4	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-07	Date Collected	: 03/12/24 00:00
Client ID	: TB031224	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 01:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-07	Date Collected	: 03/12/24 00:00
Client ID	: TB031224	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 01:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-07	Date Collected	: 03/12/24 00:00
Client ID	: TB031224	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/15/24 01:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V05240314N16	Instrument ID	: VOA105
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-01	**Date Collected**	: 03/12/24 10:15
Client ID	: MW-7D	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/15/24 22:38
Sample Matrix	: WATER	**Date Extracted**	: 03/14/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F603152418	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-02	**Date Collected**	: 03/12/24 11:15
Client ID	: MW-7S	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/15/24 23:06
Sample Matrix	: WATER	**Date Extracted**	: 03/14/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F603152419	**Analyst**	: CSP
Sample Amount	: 270 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	139	31.4	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-04	**Date Collected**	: 03/12/24 12:20
Client ID	: MW-8S	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/15/24 23:34
Sample Matrix	: WATER	**Date Extracted**	: 03/14/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F603152420	**Analyst**	: CSP
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	4410	144	32.6	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-05	**Date Collected**	: 03/12/24 14:05
Client ID	: MW-6D'	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/16/24 00:02
Sample Matrix	: WATER	**Date Extracted**	: 03/14/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F603152421	**Analyst**	: CSP
Sample Amount	: 270 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	986.	139	31.4	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413423-06	**Date Collected**	: 03/12/24 14:40
Client ID	: MW-6D	**Date Received**	: 03/12/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/18/24 11:35
Sample Matrix	: WATER	**Date Extracted**	: 03/14/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F603182403	**Analyst**	: CSP
Sample Amount	: 240 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	30700	156	35.3	

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-01	Date Collected	: 03/12/24 10:15
Client ID	: MW-7D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 14:40
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_31	Analyst	: RS
Sample Amount	: 539.86 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	5.93	0.948	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	2.96	0.793	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	0.600	1.48	0.496	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.93	1.55	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.48	0.437	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.48	0.259	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.48	0.296	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.48	0.356	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.48	0.645	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.93	2.00	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.48	0.400	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.48	0.467	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	0.808	1.48	0.674	JF
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.48	0.600	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.93	2.30	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.48	0.459	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.48	0.808	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.48	0.645	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-01	Date Collected	: 03/12/24 10:15
Client ID	: MW-7D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 14:40
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_31	Analyst	: RS
Sample Amount	: 539.86 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.48	0.341	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.48	0.400	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.48	0.800	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.48	0.682	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.48	0.556	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.48	0.393	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.93	0.830	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.93	0.934	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.48	0.563	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.93	1.22	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.93	1.22	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.48	0.645	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.48	0.682	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.8	3.48	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-01	Date Collected	: 03/12/24 10:15
Client ID	: MW-7D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 14:40
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_31	Analyst	: RS
Sample Amount	: 539.86 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.8	1.82	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.96	0.422	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.96	0.393	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.96	0.326	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.96	1.75	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.41	2.44	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.0	8.67	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.0	5.84	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-02	Date Collected	: 03/12/24 11:15
Client ID	: MW-7S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 14:53
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_32	Analyst	: RS
Sample Amount	: 520.29 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	3.74	6.15	0.984	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.29	3.08	0.823	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	4.87	1.54	0.515	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.15	1.61	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	1.84	1.54	0.454	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.54	0.269	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.838	1.54	0.308	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.54	0.369	U
335-67-1	Perfluorooctanoic Acid (PFOA)	2.09	1.54	0.669	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.15	2.08	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.54	0.415	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.54	0.484	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	2.98	1.54	0.700	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.54	0.623	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.15	2.39	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.54	0.477	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.54	0.838	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.54	0.669	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-02	Date Collected	: 03/12/24 11:15
Client ID	: MW-7S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 14:53
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_32	Analyst	: RS
Sample Amount	: 520.29 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.54	0.354	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.54	0.415	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.54	0.830	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.54	0.707	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.54	0.577	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.54	0.407	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.15	0.861	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.15	0.969	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.54	0.584	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.15	1.27	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.15	1.27	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.54	0.669	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.54	0.707	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.4	3.61	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-02	Date Collected	: 03/12/24 11:15
Client ID	: MW-7S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 14:53
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_32	Analyst	: RS
Sample Amount	: 520.29 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.4	1.88	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.08	0.438	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.08	0.407	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.08	0.338	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.08	1.81	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.69	2.54	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.4	8.99	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.4	6.06	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-03	Date Collected	: 03/12/24 11:35
Client ID	: EB031224	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 15:06
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_33	Analyst	: RS
Sample Amount	: 541.14 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	5.91	0.946	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	2.96	0.791	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.48	0.495	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.91	1.54	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.48	0.436	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.48	0.259	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.48	0.296	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.48	0.355	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.48	0.643	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.91	2.00	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.48	0.399	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.48	0.466	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.48	0.673	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.48	0.599	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.91	2.30	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.48	0.458	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.48	0.806	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.48	0.643	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-03	Date Collected	: 03/12/24 11:35
Client ID	: EB031224	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 15:06
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_33	Analyst	: RS
Sample Amount	: 541.14 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.48	0.340	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.48	0.399	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.48	0.798	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.48	0.680	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.48	0.554	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.48	0.392	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.91	0.828	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.91	0.931	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.48	0.562	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.91	1.22	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.91	1.22	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.48	0.643	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.48	0.680	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.8	3.47	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-03	Date Collected	: 03/12/24 11:35
Client ID	: EB031224	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/22/24 15:06
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_33	Analyst	: RS
Sample Amount	: 541.14 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.8	1.81	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.96	0.421	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.96	0.392	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.96	0.325	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.96	1.74	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.39	2.44	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.0	8.65	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.0	5.83	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-04	Date Collected	: 03/12/24 12:20
Client ID	: MW-8S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 19:46
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_38	Analyst	: RS
Sample Amount	: 536.89 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	5.96	0.954	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	2.98	0.797	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.49	0.499	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.96	1.56	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.49	0.440	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.49	0.261	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.49	0.298	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.49	0.358	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.49	0.648	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.96	2.01	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.49	0.402	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.49	0.469	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.49	0.678	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.49	0.603	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.96	2.32	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.49	0.462	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.49	0.812	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.49	0.648	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-04	Date Collected	: 03/12/24 12:20
Client ID	: MW-8S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 19:46
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_38	Analyst	: RS
Sample Amount	: 536.89 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier	
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.49	0.343	U	
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.49	0.402	U	
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.49	0.805	U	
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.49	0.685	U	
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.49	0.559	U	
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.49	0.395	U	UJ
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.96	0.834	U	
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.96	0.939	U	
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.49	0.566	U	
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.96	1.23	U	
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.96	1.23	U	
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.49	0.648	U	
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.49	0.685	U	
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.9	3.50	U	

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-04	Date Collected	: 03/12/24 12:20
Client ID	: MW-8S	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 19:46
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_38	Analyst	: RS
Sample Amount	: 536.89 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.9	1.82	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.98	0.425	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.98	0.395	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.98	0.328	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.98	1.76	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.45	2.46	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.2	8.72	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.2	5.88	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-05	Date Collected	: 03/12/24 14:05
Client ID	: MW-6D'	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 19:59
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_39	Analyst	: RS
Sample Amount	: 540.28 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	1.17	5.92	0.948	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	2.96	0.792	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.48	0.496	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.92	1.55	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.48	0.437	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.48	0.259	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.48	0.296	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.48	0.355	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.48	0.644	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.92	2.00	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.48	0.400	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.48	0.466	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.48	0.674	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.48	0.600	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.92	2.30	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.48	0.459	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.48	0.807	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.48	0.644	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-05	Date Collected	: 03/12/24 14:05
Client ID	: MW-6D'	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 19:59
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_39	Analyst	: RS
Sample Amount	: 540.28 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.48	0.340	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.48	0.400	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.48	0.800	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.48	0.681	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.48	0.555	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.48	0.392	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.92	0.829	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.92	0.933	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.48	0.563	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.92	1.22	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.92	1.22	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.48	0.644	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.48	0.681	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.8	3.48	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-05	Date Collected	: 03/12/24 14:05
Client ID	: MW-6D'	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 19:59
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_39	Analyst	: RS
Sample Amount	: 540.28 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.8	1.81	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.96	0.422	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.96	0.392	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.96	0.326	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.96	1.75	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.40	2.44	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.0	8.66	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.0	5.84	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-06	Date Collected	: 03/12/24 14:40
Client ID	: MW-6D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 20:13
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_40	Analyst	: RS
Sample Amount	: 536.34 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	9.96	5.97	0.955	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	5.87	2.98	0.798	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	3.70	1.49	0.500	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.97	1.56	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	4.56	1.49	0.440	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.49	0.261	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	3.23	1.49	0.298	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.49	0.358	U
335-67-1	Perfluorooctanoic Acid (PFOA)	4.55	1.49	0.649	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.97	2.01	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.49	0.403	U
375-95-1	Perfluorononanoic Acid (PFNA)	2.12	1.49	0.470	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	5.29	1.49	0.679	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.49	0.604	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.97	2.32	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.49	0.462	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.49	0.813	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.49	0.649	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-06	Date Collected	: 03/12/24 14:40
Client ID	: MW-6D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 20:13
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_40	Analyst	: RS
Sample Amount	: 536.34 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.49	0.343	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.49	0.403	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.49	0.805	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.49	0.686	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.49	0.559	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.49	0.395	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.97	0.835	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.97	0.940	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.49	0.567	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.97	1.23	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.97	1.23	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.49	0.649	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.49	0.686	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.9	3.50	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413423-06	Date Collected	: 03/12/24 14:40
Client ID	: MW-6D	Date Received	: 03/12/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/21/24 20:13
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI07_240321_40	Analyst	: RS
Sample Amount	: 536.34 g	Instrument ID	: LCMS07
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.9	1.83	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.98	0.425	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.98	0.395	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.98	0.328	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.98	1.76	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.46	2.46	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.3	8.72	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.3	5.88	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2413423

5 Ground Water Samples and 1 Trip Blank
Collected March 12, 2024

Prepared by: Donald Anné
April 4, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for acetone, 2-butanone, 4-methyl-2-pentanone, and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 for VOA105 on 02-28-24. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for acetone, 2-butanone, 4-metyhl-2-pentanone, and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 on 03-14-24 (V05240314N01). The %Ds for chloromethane, vinyl chloride, chloroethane, trichlorofluoromethane, carbon disulfide, freon-113, and bromoform were above the method maximum on 03-14-24 (V05240314N01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

The %Ds for chloromethane, vinyl chloride, chloroethane, trichlorofluoromethane, carbon disulfide, freon-113, and bromoform were above the allowable maximum (20%) on 03-14-24 (V05240314N01). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum, but 2 of 2 percent recoveries for chloromethane, 2-butanone, and cyclohexane were above QC limits for aqueous MS/MSD sample MW-6D. The positive result for 2-butanone should be considered estimated, biased high (J+) in sample MW-6D.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within the QC limits for aqueous samples WG1897269-3/4.

The RPDs for trichlorofluoromethane, bromomethane, chloroethane, 1,1-dichloroethene, carbon disulfide, and freon-113 were above the allowable maximum and 1 of 2 %Rs for chloroethane was above the QC limits for aqueous samples WG1896751-3/4. Positive results for chloroethane should be considered estimated, biased high (J+) and positive results for trichlorofluoromethane, bromomethane, 1,1-dichloroethene, carbon disulfide, and freon-113 estimated (J)in associated aqueous samples.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The result for vinyl chloride in sample MW-6D was quantitated by extrapolating data above the highest calibration standard and marked ‘E’ by the laboratory. The sample was diluted by the laboratory and re-analyzed; therefore, the result that is flagged as ‘E’ in the undiluted sample should be considered estimated (J). The use of the diluted result for vinyl chloride is recommended for the sample. It is recommended that the undiluted results be used for all other compounds.

Laboratory Control Sample Summary
Form 3
Volatiles

Client : Sterling Environmental Engineering
Project Name : TROY BELTING
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1896751-3 Analysis Date : 03/14/24 19:03 File ID : V05240314N01
LCSD Sample ID : WG1896751-4 Analysis Date : 03/14/24 19:28 File ID : V05240314N02
Lab Number : L2413423
Project Number : 2011-31

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.9	99	10	9.8	98	1	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	9.7	97	10	9.6	96	1	70-130	20
Carbon tetrachloride	10	8.7	87	10	8.2	82	6	63-132	20
1,2-Dichloropropane	10	10	100	10	10	100	0	70-130	20
Dibromochloromethane	10	9.2	92	10	9.0	90	2	63-130	20
1,1,2-Trichloroethane	10	10	100	10	10	100	0	70-130	20
Tetrachloroethene	10	9.7	97	10	9.0	90	7	70-130	20
Chlorobenzene	10	9.8	98	10	9.6	96	2	75-130	20
Trichlorofluoromethane	10	12	120	10	8.9	89	30 Q	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	9.8	98	10	9.2	92	6	67-130	20
Bromodichloromethane	10	9.4	94	10	9.3	93	1	67-130	20
trans-1,3-Dichloropropene	10	9.1	91	10	9.2	92	1	70-130	20
cis-1,3-Dichloropropene	10	8.9	89	10	8.9	89	0	70-130	20
Bromoform	10	6.4	64	10	7.4	74	14	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	9.9	99	1	67-130	20
Benzene	10	10	100	10	9.9	99	1	70-130	20
Toluene	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	13	130	10	13	130	0	64-130	20
Bromomethane	10	9.1	91	10	6.7	67	30 Q	39-139	20
Vinyl chloride	10	12	120	10	10	100	18	55-140	20
Chloroethane	10	15	150 Q	10	11	110	31 Q	55-138	20
1,1-Dichloroethene	10	11	110	10	7.8	78	34 Q	61-145	20
trans-1,2-Dichloroethene	10	9.7	97	10	9.2	92	5	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1896751-3	Analysis Date : 03/14/24 19:03	File ID : V05240314N01
LCSD Sample ID	: WG1896751-4	Analysis Date : 03/14/24 19:28	File ID : V05240314N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.9	99	10	9.6	96	3	70-130	20
1,2-Dichlorobenzene	10	9.9	99	10	9.6	96	3	70-130	20
1,3-Dichlorobenzene	10	9.9	99	10	9.7	97	2	70-130	20
1,4-Dichlorobenzene	10	10	100	10	9.6	96	4	70-130	20
Methyl tert butyl ether	10	8.1	81	10	8.4	84	4	63-130	20
p/m-Xylene	20	20	100	20	20	100	0	70-130	20
o-Xylene	20	19	95	20	19	95	0	70-130	20
cis-1,2-Dichloroethene	10	9.4	94	10	9.2	92	2	70-130	20
Styrene	20	21	105	20	20	100	5	70-130	20
Dichlorodifluoromethane	10	12	120	10	11	110	9	36-147	20
Acetone	10	10	100	10	11	110	10	58-148	20
Carbon disulfide	10	12	120	10	9.1	91	27 Q	51-130	20
2-Butanone	10	10	100	10	11	110	10	63-138	20
4-Methyl-2-pentanone	10	8.6	86	10	9.3	93	8	59-130	20
2-Hexanone	10	8.1	81	10	8.9	89	9	57-130	20
Bromochloromethane	10	9.3	93	10	9.1	91	2	70-130	20
1,2-Dibromoethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	10	8.2	82	10	8.0	80	2	41-144	20
Isopropylbenzene	10	9.2	92	10	9.7	97	5	70-130	20
1,2,3-Trichlorobenzene	10	9.0	90	10	8.8	88	2	70-130	20
1,2,4-Trichlorobenzene	10	8.8	88	10	8.5	85	3	70-130	20
Methyl Acetate	10	10	100	10	11	110	10	70-130	20
Cyclohexane	10	11	110	10	11	110	0	70-130	20
1,4-Dioxane	500	500	100	500	490	98	2	56-162	20
Freon-113	10	12	120	10	9.0	90	29 Q	70-130	20
Methyl cyclohexane	10	9.6	96	10	9.2	92	4	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2413423-06	Analysis Date	: 03/15/24 03:29
Matrix Spike	: WG1896751-6	MS Analysis Date	: 03/15/24 05:36
Matrix Spike Dup	: WG1896751-7	MSD Analysis Date	: 03/15/24 06:01

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	20	22	110	20	22	110	0	70-130	20
1,1-Dichloroethane	32	20	57	125	20	56	120	2	70-130	20
Chloroform	ND	20	21	105	20	21	105	0	70-130	20
Carbon tetrachloride	ND	20	20	100	20	19	95	5	63-132	20
1,2-Dichloropropane	ND	20	23	115	20	23	115	0	70-130	20
Dibromochloromethane	ND	20	19	95	20	19	95	0	63-130	20
1,1,2-Trichloroethane	ND	20	21	105	20	22	110	5	70-130	20
Tetrachloroethene	ND	20	20	100	20	20	100	0	70-130	20
Chlorobenzene	ND	20	21	105	20	21	105	0	75-130	20
Trichlorofluoromethane	ND	20	20	100	20	20	100	0	62-150	20
1,2-Dichloroethane	ND	20	22	110	20	21	105	5	70-130	20
1,1,1-Trichloroethane	ND	20	23	115	20	22	110	4	67-130	20
Bromodichloromethane	ND	20	21	105	20	21	105	0	67-130	20
trans-1,3-Dichloropropene	ND	20	19	95	20	19	95	0	70-130	20
cis-1,3-Dichloropropene	ND	20	18	90	20	18	90	0	70-130	20
Bromoform	ND	20	15	75	20	16	80	6	54-136	20
1,1,2,2-Tetrachloroethane	ND	20	21	105	20	21	105	0	67-130	20
Benzene	ND	20	23	115	20	22	110	4	70-130	20
Toluene	ND	20	23	115	20	23	115	0	70-130	20
Ethylbenzene	ND	20	23	115	20	23	115	0	70-130	20
Chloromethane	ND	20	28	140 Q	20	29	145 Q	4	64-130	20
Bromomethane	ND	20	8.6	43	20	10	50	15	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2413423-06	Analysis Date	: 03/15/24 03:29
Matrix Spike	: WG1896751-6	MS Analysis Date	: 03/15/24 05:36
Matrix Spike Dup	: WG1896751-7	MSD Analysis Date	: 03/15/24 06:01

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	910E	20	940E	NA	20	920E	NA	2	55-140	20
Chloroethane	ND	20	24	120	20	26	130	8	55-138	20
1,1-Dichloroethene	0.44J	20	18	90	20	18	90	0	61-145	20
trans-1,2-Dichloroethene	3.4J	20	25	125	20	24	120	4	70-130	20
Trichloroethene	ND	20	22	110	20	22	110	0	70-130	20
1,2-Dichlorobenzene	ND	20	20	100	20	21	105	5	70-130	20
1,3-Dichlorobenzene	ND	20	21	105	20	21	105	0	70-130	20
1,4-Dichlorobenzene	ND	20	21	105	20	21	105	0	70-130	20
Methyl tert butyl ether	ND	20	16	80	20	17	85	6	63-130	20
p/m-Xylene	ND	40	45	113	40	44	110	2	70-130	20
o-Xylene	ND	40	42	105	40	42	105	0	70-130	20
cis-1,2-Dichloroethene	160	20	190	NA	20	180	100	5	70-130	20
Styrene	ND	40	43	108	40	43	108	0	70-130	20
Dichlorodifluoromethane	ND	20	26	130	20	27	135	4	36-147	20
Acetone	66	20	84	90	20	85	95	1	58-148	20
Carbon disulfide	ND	20	21	105	20	20	100	5	51-130	20
2-Butanone	7.9J	20	31	155 Q	20	32	160 Q	3	63-138	20
4-Methyl-2-pentanone	ND	20	17	85	20	19	95	11	59-130	20
2-Hexanone	ND	20	17	85	20	18	90	6	57-130	20
Bromochloromethane	ND	20	19	95	20	18	90	5	70-130	20
1,2-Dibromoethane	ND	20	18	90	20	19	95	5	70-130	20
1,2-Dibromo-3-chloropropane	ND	20	16	80	20	16	80	0	41-144	20

NA - Sample concentration is greater than 4X the spiking level; therefore, the%R is not applicable.

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2413423-06	Analysis Date	: 03/15/24 03:29
Matrix Spike	: WG1896751-6	MS Analysis Date	: 03/15/24 05:36
Matrix Spike Dup	: WG1896751-7	MSD Analysis Date	: 03/15/24 06:01

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	20	22	110	20	22	110	0	70-130	20
1,2,3-Trichlorobenzene	ND	20	18	90	20	19	95	5	70-130	20
1,2,4-Trichlorobenzene	ND	20	18	90	20	18	90	0	70-130	20
Methyl Acetate	ND	20	24	120	20	25	125	4	70-130	20
Cyclohexane	ND	20	29	145 Q	20	28	140 Q	4	70-130	20
1,4-Dioxane	ND	1000	970	97	1000	1000	100	3	56-162	20
Freon-113	ND	20	20	100	20	20	100	0	70-130	20
Methyl cyclohexane	ND	20	22	110	20	22	110	0	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2413423**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL20899**
Calibration dates	**: 02/28/24 14:10 02/28/24 18:23**		

Calibration Files

L11 =V05240228N04.D L1 =V05240228N07.D L2 =V05240228N08.D L3 =V05240228N10.D L4 =V05240228N11.D

L6 =V05240228N12.D L8 =V05240228N13.D L10 =V05240228N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.206	0.243	0.286	0.309	0.323	0.338	0.321	0.290	16.62
3)	TP	Chloromethane		0.227	0.259	0.265	0.276	0.298	0.314	0.317	0.279	11.55
4)	TC	Vinyl chloride	0.304	0.237	0.284	0.307	0.323	0.337	0.351	0.341	0.311	11.94
5)	TP	Bromomethane		0.178	0.169	0.169	0.175	0.194	0.211	0.217	0.188	10.60
6)	TP	Chloroethane		0.200	0.205	0.204	0.203	0.182	0.133		0.188	14.97
7)	TP	Trichlorofluor		0.294	0.346	0.413	0.445	0.460	0.476	0.448	0.412	16.30
8)	TP	Ethyl ether		0.121	0.129	0.128	0.121	0.129	0.130	0.128	0.127	2.96
10)	TC	1,1-Dichloroet		0.295	0.242	0.249	0.260	0.267	0.273	0.258	0.263	6.64
11)	TP	Carbon disulfide		0.664	0.753	0.784	0.822	0.843	0.854	0.810	0.790	8.29
12)	TP	Freon-113		0.158	0.203	0.244	0.269	0.274	0.278	0.257	0.240	18.46
13)	TP	Iodomethane		0.269	0.326	0.365	0.387	0.412	0.416	0.406	0.369	14.71
14)	TP	Acrolein			0.031	0.026	0.024	0.027	0.027	0.027	0.027	9.07
15)	TP	Methylene chlo		0.234	0.247	0.243	0.234	0.243	0.248	0.250	0.243	2.69
17)	TP	Acetone			0.049	0.042	0.039	0.045	0.046	0.045	0.044	7.48
18)	TP	trans-1,2-Dich		0.215	0.241	0.242	0.243	0.253	0.260	0.256	0.244	6.04
19)	TP	Methyl acetate			0.082	0.092	0.094	0.113	0.112	0.108	0.100	12.38
20)	TP	Methyl tert butyl ether		0.523	0.532	0.554	0.538	0.574	0.580	0.578	0.554	4.25
21)	TP	tert-Butyl alc		0.010	0.012	0.013	0.012	0.013	0.013	0.013	0.012	8.77
22)	TP	Diisopropyl ether		0.675	0.742	0.765	0.762	0.814	0.823	0.824	0.772	7.00
23)	TP	1,1-Dichloroet		0.411	0.456	0.457	0.449	0.465	0.475	0.462	0.454	4.50
24)	TP	Halothane		0.138	0.170	0.186	0.192	0.201	0.207	0.203	0.185	13.13
25)	TP	Acrylonitrile			0.052	0.052	0.049	0.056	0.057	0.057	0.054	6.02
26)	TP	Ethyl tert-but		0.580	0.644	0.682	0.671	0.726	0.737	0.743	0.683	8.57
27)	TP	Vinyl acetate			0.268	0.289	0.257	0.303	0.303	0.309	0.288	7.32
28)	TP	cis-1,2-Dichlo		0.263	0.280	0.277	0.268	0.280	0.285	0.284	0.277	2.95
29)	TP	2,2-Dichloropr		0.309	0.344	0.355	0.355	0.367	0.373	0.364	0.352	6.03
30)	TP	Bromochloromet		0.114	0.127	0.128	0.124	0.130	0.130	0.131	0.126	4.62
31)	TP	Cyclohexane		0.306	0.344	0.415	0.454	0.472	0.487	0.472	0.422	16.70
32)	TC	Chloroform		0.431	0.454	0.440	0.426	0.446	0.455	0.458	0.444	2.82
33)	TP	Ethyl acetate			0.137	0.154	0.153	0.173	0.177	0.175	0.161	9.94
34)	TP	Carbon tetrachloride	0.358	0.270	0.297	0.350	0.371	0.391	0.410	0.400	0.356	13.95
35)	TP	Tetrahydrofuran		0.032	0.054	0.044	0.040	0.047	0.047	0.046	0.044	15.35
36)	S	Dibromofluoromethane	0.274	0.274	0.274	0.266	0.260	0.263	0.263	0.267	0.268	2.14
37)	TP	1,1,1-Trichlor		0.321	0.367	0.405	0.410	0.425	0.439	0.431	0.400	10.48
39)	TP	2-Butanone			0.058	0.067	0.063	0.072	0.074	0.074	0.068	9.51

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2413423**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL20899**
Calibration dates	**: 02/28/24 14:10 02/28/24 18:23**		

Calibration Files
L11 =V05240228N04.D L1 =V05240228N07.D L2 =V05240228N08.D L3 =V05240228N10.D L4 =V05240228N11.D
L6 =V05240228N12.D L8 =V05240228N13.D L10 =V05240228N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.233	0.294	0.321	0.337	0.352	0.363	0.354	0.322	14.20
41) TP	Benzene	0.874	0.835	0.914	0.943	0.935	0.984	1.004	1.003	0.936	6.50
42) TP	Tertiary-Amyl Methyl Ether		0.482	0.534	0.550	0.554	0.614	0.626	0.634	0.571	9.83
43) S	1,2-Dichloroethane-d4	0.316	0.312	0.313	0.318	0.290	0.296	0.302	0.311	0.307	3.31
44) TP	1,2-Dichloroet		0.297	0.318	0.316	0.307	0.325	0.326	0.330	0.317	3.67
47) TP	Methyl cyclohe			0.318	0.401	0.457	0.487	0.505	0.496	0.444	16.33
48) TP	Trichloroethene	0.302	0.235	0.249	0.260	0.269	0.277	0.286	0.288	0.271	8.14
50) TP	Dibromomethane		0.124	0.132	0.138	0.133	0.144	0.147	0.151	0.138	6.86
51) TC	1,2-Dichloropr		0.223	0.239	0.248	0.241	0.255	0.260	0.263	0.247	5.55
53) TP	2-Chloroethyl			0.095	0.114	0.115	0.130	0.137	0.139	0.122	13.92
54) TP	Bromodichlorom		0.286	0.316	0.331	0.324	0.349	0.357	0.363	0.332	8.10
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	5.06
58) TP	cis-1,3-Dichlo		0.290	0.347	0.369	0.371	0.401	0.409	0.415	0.372	11.69
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.250	1.281	1.280	1.273	1.258	1.227	1.224	1.195	1.249	2.46
61) TC	Toluene		0.668	0.714	0.763	0.756	0.774	0.789	0.779	0.749	5.75
62) TP	4-Methyl-2-pen		0.048	0.061	0.070	0.068	0.074	0.076	0.074	0.067	14.93
63) TP	Tetrachloroethene		0.262	0.336	0.375	0.391	0.402	0.416	0.404	0.369	14.60
65) TP	trans-1,3-Dich		0.317	0.371	0.402	0.406	0.421	0.424	0.417	0.394	9.76
67) TP	Ethyl methacry		0.218	0.242	0.270	0.263	0.282	0.285	0.281	0.263	9.38
68) TP	1,1,2-Trichlor		0.182	0.189	0.199	0.194	0.202	0.204	0.202	0.196#	4.08
69) TP	Chlorodibromom		0.229	0.267	0.290	0.296	0.317	0.324	0.324	0.292	11.97
70) TP	1,3-Dichloropr		0.342	0.386	0.401	0.391	0.404	0.405	0.399	0.390	5.69
71) TP	1,2-Dibromoethane		0.194	0.222	0.267	0.259	0.274	0.277	0.272	0.252	12.53
72) TP	2-Hexanone		0.156	0.128	0.127	0.119	0.131	0.133	0.129	0.132	8.87
73) TP	Chlorobenzene		0.790	0.852	0.869	0.862	0.894	0.916	0.914	0.871	5.02
74) TC	Ethylbenzene		1.330	1.420	1.497	1.510	1.556	1.587	1.546	1.492	5.98
75) TP	1,1,1,2-Tetrac		0.249	0.290	0.312	0.321	0.335	0.338	0.336	0.312	10.39
76) TP	p/m Xylene		0.503	0.562	0.587	0.584	0.598	0.615	0.612	0.580	6.62
77) TP	o Xylene		0.525	0.563	0.575	0.568	0.586	0.605	0.604	0.575	4.80
78) TP	Styrene		0.806	0.878	0.933	0.932	0.972	0.990	0.963	0.925	6.88
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.219	0.253	0.301	0.318	0.367	0.376	0.388	*Q	0.9992
82) TP	Isopropylbenzene		2.004	2.358	2.603	2.706	2.847	2.907	2.895	2.617	12.72
83) S	4-Bromofluorobenzene	0.799	0.793	0.800	0.807	0.804	0.808	0.798	0.794	0.800	0.70
84) TP	Bromobenzene		0.547	0.600	0.645	0.647	0.688	0.699	0.722	0.650	9.36

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2413423**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA105**	**Ical Ref**	**: ICAL20899**
Calibration dates	**: 02/28/24 14:10 02/28/24 18:23**		

Calibration Files
L11 =V05240228N04.D L1 =V05240228N07.D L2 =V05240228N08.D L3 =V05240228N10.D L4 =V05240228N11.D
L6 =V05240228N12.D L8 =V05240228N13.D L10 =V05240228N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.371	2.772	3.051	3.179	3.331	3.370	3.287	3.052	11.91
86) TP	1,4-Dichlorobu		0.633	0.630	0.642	0.632	0.696	0.693	0.699	0.661	5.02
87) TP	1,1,2,2-Tetrac		0.378	0.420	0.457	0.450	0.519	0.522	0.530	0.468	12.39
88) TP	4-Ethyltoluene		2.070	2.418	2.600	2.678	2.822	2.855	2.804	2.607	10.81
89) TP	2-Chlorotoluene		1.498	1.716	1.778	1.806	1.866	1.891	1.823	1.768	7.48
90) TP	1,3,5-Trimethy		1.841	2.120	2.245	2.293	2.416	2.417	2.409	2.249	9.38
91) TP	1,2,3-Trichlor		0.324	0.332	0.357	0.353	0.391	0.395	0.398	0.365	8.43
92) TP	trans-1,4-Dich		0.099	0.135	0.150	0.147	0.153	0.155	0.159	0.143	14.41
93) TP	4-Chlorotoluene		1.625	1.810	1.863	1.873	1.936	1.931	1.963	1.857	6.19
94) TP	tert-Butylbenzene		1.534	1.752	1.908	1.999	2.098	2.147	2.143	1.940	11.80
97) TP	1,2,4-Trimethy		1.851	2.084	2.233	2.242	2.363	2.344	2.330	2.207	8.32
98) TP	sec-Butylbenzene		2.101	2.523	2.768	2.956	3.084	3.108	3.034	2.796	13.22
99) TP	p-Isopropyltol		1.859	2.245	2.439	2.570	2.720	2.728	2.669	2.461	12.88
100) TP	1,3-Dichlorobe		1.072	1.220	1.278	1.285	1.340	1.349	1.353	1.271	7.88
101) TP	1,4-Dichlorobe		1.141	1.250	1.277	1.267	1.322	1.324	1.335	1.274	5.24
102) TP	p-Diethylbenzene		1.094	1.331	1.451	1.535	1.647	1.645	1.667	1.481	14.19
103) TP	n-Butylbenzene		1.516	1.841	1.991	2.119	2.267	2.248	2.209	2.027	13.43
104) TP	1,2-Dichlorobe		0.984	1.116	1.165	1.157	1.229	1.218	1.227	1.157	7.53
105) TP	1,2,4,5-Tetram		1.728	2.009	2.196	2.325	2.512	2.526	2.501	2.257	13.38
106) TP	1,2-Dibromo-3-		0.046	0.068	0.076	0.074	0.086	0.088	0.087	0.075	19.95
107) TP	1,3,5-Trichlor		0.761	0.906	0.961	0.986	1.034	1.030	1.020	0.957	10.19
108) TP	Hexachlorobuta		0.269	0.316	0.349	0.394	0.424	0.422	0.428	0.372	16.73
109) TP	1,2,4-Trichlor		0.657	0.781	0.822	0.844	0.889	0.889	0.885	0.824	10.20
110) TP	Naphthalene		1.404	1.551	1.679	1.668	1.814	1.788	1.746	1.664	8.67
111) TP	1,2,3-Trichlor		0.596	0.701	0.735	0.746	0.782	0.781	0.773	0.731	9.07

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2413423	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA105		Calibration Date	: 03/14/24 19:03	
Lab File ID	: V05240314N01		Init. Calib. Date(s)	: 02/28/24	02/28/24
Sample No	: WG1896751-2		Init. Calib. Times	: 14:10	18:23
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	55	0
Dichlorodifluoromethane	0.29	0.346	-	-19.3	20	67	0
Chloromethane	0.279	0.358	-	-28.3*	20	74	0
Vinyl chloride	0.311	0.375	-	-20.6*	20	67	0
Bromomethane	0.188	0.171	-	9	20	56	0
Chloroethane	0.188	0.286	-	-52.1*	20	77	0
Trichlorofluoromethane	0.412	0.499	-	-21.1*	20	67	0
Ethyl ether	0.127	0.133	-	-4.7	20	57	0
1,1-Dichloroethene	0.263	0.28	-	-6.5	20	62	0
Carbon disulfide	0.79	0.974	-	-23.3*	20	68	0
Freon-113	0.24	0.294	-	-22.5*	20	66	0
Acrolein	0.027	0.025	-	7.4	20	53	-.01
Methylene chloride	0.243	0.241	-	0.8	20	55	0
Acetone	0.044	0.046	-	-4.5	20	61	-.01
trans-1,2-Dichloroethene	0.244	0.237	-	2.9	20	54	0
Methyl acetate	0.1	0.106	-	-6	20	63	0
Methyl tert-butyl ether	0.554	0.449	-	19	20	45	-.01
tert-Butyl alcohol	0.0123	0.00848*	-	31.1*	20	37	0
Diisopropyl ether	0.772	0.802	-	-3.9	20	58	0
1,1-Dichloroethane	0.454	0.47	-	-3.5	20	57	0
Halothane	0.185	0.185	-	0	20	55	-.01
Acrylonitrile	0.054	0.054	-	0	20	57	0
Ethyl tert-butyl ether	0.683	0.575	-	15.8	20	46	0
Vinyl acetate	0.288	0.3	-	-4.2	20	57	0
cis-1,2-Dichloroethene	0.277	0.26	-	6.1	20	52	-.01
2,2-Dichloropropane	0.352	0.306	-	13.1	20	48	0
Bromochloromethane	0.126	0.118	-	6.3	20	51	0
Cyclohexane	0.422	0.476	-	-12.8	20	63	0
Chloroform	0.444	0.431	-	2.9	20	54	0
Ethyl acetate	0.161	0.144	-	10.6	20	52	0
Carbon tetrachloride	0.356	0.31	-	12.9	20	49	0
Tetrahydrofuran	0.044	0.047	-	-6.8	20	59	-.01
Dibromofluoromethane	0.268	0.273	-	-1.9	20	57	0
1,1,1-Trichloroethane	0.4	0.392	-	2	20	53	0
2-Butanone	0.068	0.068	-	0	20	56	0
1,1-Dichloropropene	0.322	0.326	-	-1.2	20	56	0
Benzene	0.936	0.935	-	0.1	20	55	-.01
tert-Amyl methyl ether	0.571	0.415	-	27.3*	20	42	0
1,2-Dichloroethane-d4	0.307	0.343	-	-11.7	20	59	0
1,2-Dichloroethane	0.317	0.323	-	-1.9	20	56	0
Methyl cyclohexane	0.444	0.426	-	4.1	20	59	0
Trichloroethene	0.271	0.267	-	1.5	20	57	0
Dibromomethane	0.138	0.13	-	5.8	20	52	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2413423	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA105		Calibration Date	: 03/14/24 19:03	
Lab File ID	: V05240314N01		Init. Calib. Date(s)	: 02/28/24	02/28/24
Sample No	: WG1896751-2		Init. Calib. Times	: 14:10	18:23
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.247	0.248	-	-0.4	20	55	0
Bromodichloromethane	0.332	0.311	-	6.3	20	52	0
1,4-Dioxane	0.00129	0.00128*	-	0.8	20	54	0
cis-1,3-Dichloropropene	0.372	0.332	-	10.8	20	50	0
Chlorobenzene-d5	1	1	-	0	20	54	0
Toluene-d8	1.249	1.329	-	-6.4	20	56	0
Toluene	0.749	0.764	-	-2	20	54	0
4-Methyl-2-pentanone	0.067	0.058	-	13.4	20	44	0
Tetrachloroethene	0.369	0.36	-	2.4	20	52	0
trans-1,3-Dichloropropene	0.394	0.359	-	8.9	20	48	0
Ethyl methacrylate	0.263	0.212	-	19.4	20	42	0
1,1,2-Trichloroethane	0.196	0.2*	-	-2	20	54	0
Chlorodibromomethane	0.292	0.268	-	8.2	20	50	0
1,3-Dichloropropane	0.39	0.404	-	-3.6	20	54	0
1,2-Dibromoethane	0.252	0.252	-	0	20	51	0
2-Hexanone	0.132	0.107	-	18.9	20	45	0
Chlorobenzene	0.871	0.858	-	1.5	20	53	0
Ethylbenzene	1.492	1.501	-	-0.6	20	54	0
1,1,1,2-Tetrachloroethane	0.312	0.28	-	10.3	20	48	0
p/m Xylene	0.58	0.583	-	-0.5	20	53	0
o Xylene	0.575	0.559	-	2.8	20	52	-.01
Styrene	0.925	0.962	-	-4	20	55	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	68	0
Bromoform	10	6.416	-	35.8*	20	47	0
Isopropylbenzene	2.617	2.419	-	7.6	20	63	0
4-Bromofluorobenzene	0.8	0.843	-	-5.4	20	71	0
Bromobenzene	0.65	0.607	-	6.6	20	64	0
n-Propylbenzene	3.052	3.304	-	-8.3	20	74	-.01
1,4-Dichlorobutane	0.661	0.744	-	-12.6	20	79	0
1,1,2,2-Tetrachloroethane	0.468	0.479	-	-2.4	20	71	0
4-Ethyltoluene	2.607	2.722	-	-4.4	20	71	0
2-Chlorotoluene	1.768	1.904	-	-7.7	20	73	0
1,3,5-Trimethylbenzene	2.249	2.336	-	-3.9	20	71	0
1,2,3-Trichloropropane	0.365	0.375	-	-2.7	20	71	0
trans-1,4-Dichloro-2-buten	0.143	0.156	-	-9.1	20	71	0
4-Chlorotoluene	1.857	1.987	-	-7	20	73	0
tert-Butylbenzene	1.94	1.949	-	-0.5	20	70	0
1,2,4-Trimethylbenzene	2.207	2.28	-	-3.3	20	70	0
sec-Butylbenzene	2.796	2.997	-	-7.2	20	74	0
p-Isopropyltoluene	2.461	2.52	-	-2.4	20	70	0
1,3-Dichlorobenzene	1.271	1.259	-	0.9	20	67	0
1,4-Dichlorobenzene	1.274	1.283	-	-0.7	20	68	0
p-Diethylbenzene	1.481	1.487	-	-0.4	20	70	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423		
Project Name	: TROY BELTING	**Project Number**	: 2011-31		
Instrument ID	: VOA105	**Calibration Date**	: 03/14/24 19:03		
Lab File ID	: V05240314N01	**Init. Calib. Date(s)**	: 02/28/24	02/28/24	
Sample No	: WG1896751-2	**Init. Calib. Times**	: 14:10	18:23	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.027	2.241	-	-10.6	20	77	0
1,2-Dichlorobenzene	1.157	1.149	-	0.7	20	67	0
1,2,4,5-Tetramethylbenzene	2.257	1.995	-	11.6	20	62	0
1,2-Dibromo-3-chloropropan	0.075	0.062	-	17.3	20	55	0
1,3,5-Trichlorobenzene	0.957	0.883	-	7.7	20	63	0
Hexachlorobutadiene	0.372	0.332	-	10.8	20	65	0
1,2,4-Trichlorobenzene	0.824	0.726	-	11.9	20	60	0
Naphthalene	1.664	1.483	-	10.9	20	60	0
1,2,3-Trichlorobenzene	0.731	0.658	-	10	20	61	0

* Value outside of QC limits.

1,4-Dioxane

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D SIM 1,4-Dioxane
Data for Alpha Analytical, SDG Number: L2413423

5 Ground Water Samples
Collected March 12, 2024

Prepared by: Donald Anné
April 4, 2024

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %RSD was below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 1,4-dioxane were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-6D.

Laboratory Control Sample: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous samples WG1896458-2/3.

Compound ID: Checked surrogate and 1,4-dioxane results were within quantitation limits.

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PFAS

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 1633 PFAS Data
for Alpha Analytical Labs SDG Number: L2413423

5 Ground Water Samples and 1 Equipment Blank
Collected March 12, 2024

Prepared by: Donald Anné
April 4, 2024

Holding Times: Samples were extracted and analyzed within USEPA holding time.

Initial Calibration: The %RSDs for applicable PFASs were below the method maximum (20%) or the R or R squared were above the method minimums, as required.

Continuing Calibration: The percent recovery for 8:2FTS was above QC limits (70-130%) on 03-21-24 (WG1899131-10). Positive results for 8:2FTS should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and equipment blanks reported target PFAS as not detcetd.

Surrogate Recovery: One of eighteen surrogate recoveries for samples MW-7D and MW-6D was above QC limits. Two of eighteen surrogate recoveries for sample MW-7S were above QC limits. Positive results for PFAS that were quantitated using these surrogates should be considered estimated (J) in the samples.

One of eighteen surrogate recoveries for sample MW-6D' was below QC limits, but not below 10%. Positive and "not detected" results for PFAS that were quantitated using this surrogate should be considered estimated (J or UJ respectively) in the sample.

Matrix Spike/Matrix Spike Duplicate: The percent recoveries for PFAS were within QC limits, but the relative percent differences for NEtFOSAA and PFDoA were above the allowable maximum for aqueous MS/MSD sample MW-6D. Sample MW-6D reported NEtFOSAA and PFDoA as "not detected"; therefore, no action is taken.

Laboratory Control Sample: The percent recoveries for target PFAS were within QC limits for aqueous samples WG1898901-2LCS and WG1898901-3LCS.

Compound ID: Checked compound and surrogate results were within LC quantitation limits.

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Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER ()
Lab Sample ID	: L2413423-06	Analysis Date	: 03/21/24 20:13
Matrix Spike	: WG1898901-4	MS Analysis Date	: 03/21/24 20:25
Matrix Spike Dup	: WG1898901-5	MSD Analysis Date	: 03/21/24 20:38

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	9.96	72.8	67.8	79	75.5	62.8	70	8	40-150	30
Perfluoropentanoic Acid (PFPeA)	5.87	36.4	34.9	80	37.8	31.9	69	9	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	3.70	16.2	17.3	84	16.7	15.9	73	8	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	68.3	57.4	84	70.8	53.8	76	6	40-150	30
Perfluorohexanoic Acid (PFHxA)	4.56	18.2	19.1	80	18.9	18.5	74	3	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	ND	17.1	15.5	90	17.8	13.4	75	15	40-150	30
Perfluoroheptanoic Acid (PFHpA)	3.23	18.2	17.6	79	18.9	17.8	77	1	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	ND	16.6	15.4	92	17.2	13.1	76	16	40-150	30
Perfluorooctanoic Acid (PFOA)	4.55	18.2	19.2	80	18.9	19.2	78	0	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	69.2	52.8	76	71.7	54.5	76	3	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.4	19.1	110	18	17.3	96	10	40-150	30
Perfluorononanoic Acid (PFNA)	2.12	18.2	18.3	89	18.9	18.8	88	3	40-150	30
Perfluorooctanesulfonic Acid (PFOS)	5.29	16.9	21.0	93	17.5	20.6	87	2	40-150	30
Perfluorodecanoic Acid (PFDA)	ND	18.2	17.4	96	18.9	13.9	74	22	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfon	ND	69.9	69.6	100	72.5	67.5	93	3	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER ()
Lab Sample ID	: L2413423-06	Analysis Date	: 03/21/24 20:13
Matrix Spike	: WG1898901-4	MS Analysis Date	: 03/21/24 20:25
Matrix Spike Dup	: WG1898901-5	MSD Analysis Date	: 03/21/24 20:38

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
ic Acid (8:2FTS)										
Perfluorononanesulfonic Acid (PFNS)	ND	17.5	12.6	72	18.2	12.3	68	2	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	18.2	16.9	93	18.9	16.1	85	5	40-150	30
Perfluoroundecanoic Acid (PFUnA)	ND	18.2	13.5	74	18.9	12.6	67	7	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	ND	17.6	13.9	79	18.2	12.2	67	13	40-150	30
Perfluorooctanesulfonamide (PFOSA)	ND	18.2	15.4	85	18.9	14.8	78	4	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	18.2	19.7	108	18.9	10.4	55	62 Q	40-150	30
Perfluorododecanoic Acid (PFDoA)	ND	18.2	17.0	93	18.9	12.3	65	32 Q	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	ND	18.2	14.8	81	18.9	11.9	63	22	40-150	30
Perfluorotetradecanoic Acid (PFTeDA)	ND	18.2	17.2	94	18.9	15.8	84	8	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	72.8	66.1	91	75.5	58.8	78	12	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	68.8	70.8	103	71.4	63.6	89	11	40-150	30
Perfluorododecanesulfonic Acid	ND	17.7	13.5	76	18.3	13.2	72	2	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER ()
Lab Sample ID	: L2413423-06	Analysis Date	: 03/21/24 20:13
Matrix Spike	: WG1898901-4	MS Analysis Date	: 03/21/24 20:25
Matrix Spike Dup	: WG1898901-5	MSD Analysis Date	: 03/21/24 20:38

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFDoS)										
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	68.1	71.8	105	70.6	64.2	91	11	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	68.8	61.9	90	71.4	54.6	76	13	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	18.2	13.3	73	18.9	11.1	59	18	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	18.2	14.8	81	18.9	14.1	75	5	40-150	30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	182	165	91	189	154	82	7	40-150	30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	182	165	91	189	139	74	17	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	36.4	31.8	87	37.8	31.4	83	1	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	36.4	33.0	91	37.8	30.5	81	8	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	32.4	29.9	92	33.6	27.4	82	9	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	36.4	32.9	90	37.8	28.8	76	13	40-150	30
3-Perfluoropropyl Propanoic Acid	ND	91	101	111	94.4	94.6	100	7	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6D	Matrix (Level)	: WATER ()
Lab Sample ID	: L2413423-06	Analysis Date	: 03/21/24 20:13
Matrix Spike	: WG1898901-4	MS Analysis Date	: 03/21/24 20:25
Matrix Spike Dup	: WG1898901-5	MSD Analysis Date	: 03/21/24 20:38

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(3:3FTCA)										
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	455	362	80	472	332	70	9	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	455	290	64	472	260	55	11	40-150	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Sterling Environmental Engineering
Project Name: TROY BELTING

Lab Number: L2413423
Project Number: 2011-31
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-7D (L2413423-01)	87	95	89	167*	93	84	86
MW-7S (L2413423-02)	91	85	79	207*	94	108	87
EB031224 (L2413423-03)	87	95	82	69	91	87	79
MW-8S (L2413423-04)	70	65	58	56	60	60	52
MW-6D' (L2413423-05)	72	75	86	78	74	67	66
MW-6D (L2413423-06)	64	67	77	195*	78	82	73
WG1898901-1BLANK	94	93	75	77	88	93	83
WG1898901-2LCS	87	92	82	74	85	86	82
WG1898901-3LCS	93	99	83	90	94	95	85
MW-6DMS	69	77	87	206*	91	100	87
MW-6DMSD	73	75	79	185*	87	93	82

QC LIMITS

(20-150) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(20-150) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(20-150) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(20-150) S4 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]HEXANESULFONIC ACID (M2-4:2FTS)
(20-150) S5 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(20-150) S6 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(20-150) S7 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)

* Values outside of QC limits

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Sterling Environmental Engineering
Project Name: TROY BELTING

Lab Number: L2413423
Project Number: 2011-31
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-7D (L2413423-01)	88	71	79	63	87	51	54
MW-7S (L2413423-02)	99	118	93	77	78	155*	88
EB031224 (L2413423-03)	88	68	85	70	82	66	54
MW-8S (L2413423-04)	63	50	57	44	57	45	35
MW-6D' (L2413423-05)	70	56	62	48	76	31	45
MW-6D (L2413423-06)	79	76	76	64	70	84	49
WG1898901-1BLANK	91	80	86	79	84	321*	146
WG1898901-2LCS	87	82	83	78	93	71	55
WG1898901-3LCS	93	76	91	84	89	80	72
MW-6DMS	92	108	84	65	84	98	62
MW-6DMSD	82	91	79	60	84	102	58

QC LIMITS

(20-150) S8 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)
(20-150) S9 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(20-150) S10 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(20-150) S11 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(20-150) S12 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(20-150) S13 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(20-150) S14 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)

* Values outside of QC limits

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Sterling Environmental Engineering
Project Name: TROY BELTING

Lab Number: L2413423
Project Number: 2011-31
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()
MW-7D (L2413423-01)	57	32	48	32	25	83	21
MW-7S (L2413423-02)	69	41	73	48	43	86	38
EB031224 (L2413423-03)	68	50	47	52	51	86	42
MW-8S (L2413423-04)	48	46	42	36	43	66	44
MW-6D' (L2413423-05)	48	33	33	30	18*	68	28
MW-6D (L2413423-06)	55	38	52	38	37	70	34
WG1898901-1BLANK	68	63	143	56	58	87	37
WG1898901-2LCS	73	52	57	55	56	87	35
WG1898901-3LCS	81	61	71	59	68	86	46
MW-6DMS	73	48	62	51	48	79	45
MW-6DMSD	71	40	60	57	51	76	47

QC LIMITS

(20-150) S15 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)
(20-150) S16 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(20-150) S17 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(20-150) S18 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(20-150) S19 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)
(20-150) S20 = 2,3,3,3-TETRAFLUORO-2-[1,1,2,2,3,3,3-HEPTAFLUOROPROPOXY]-13C3-PROPANOIC ACID (M3HFPO-DA)
(20-150) S21 = N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDE (D3-NMEFOSA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Sterling Environmental Engineering
Project Name: TROY BELTING

Lab Number: L2413423
Project Number: 2011-31
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S22 ()	S23 ()	S24 ()	S25 ()	S26 ()	S27 ()	S28 ()	TOT OUT
MW-7D (L2413423-01)	23	28	30	--	--	--	--	1
MW-7S (L2413423-02)	38	44	45	--	--	--	--	2
EB031224 (L2413423-03)	42	51	55	--	--	--	--	0
MW-8S (L2413423-04)	45	52	56	--	--	--	--	0
MW-6D' (L2413423-05)	25	32	38	--	--	--	--	1
MW-6D (L2413423-06)	34	41	42	--	--	--	--	1
WG1898901-1BLANK	38	56	54	--	--	--	--	1
WG1898901-2LCS	38	67	61	--	--	--	--	0
WG1898901-3LCS	46	69	68	--	--	--	--	0
MW-6DMS	47	49	48	--	--	--	--	1
MW-6DMSD	45	49	50	--	--	--	--	1

QC LIMITS

(20-150) S22 = N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDE (D5-NETFOSA)
(20-150) S23 = 2-(N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D7-NMEFOSE)
(20-150) S24 = 2-(N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D9-NETFOSE)

*** Values outside of QC limits**

FORM II A2-1633-DRAFT (Continued)

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413423
Project Name	: TROY BELTING	Project Number	: 2011-31
Instrument ID	: LCMS07	Calibration Date	: 03/21/24 19:20
Lab File ID	: SCI07_240321_36	Init. Calib. Date(s)	: 03/18/24 03/18/24
Sample No	: WG1899131-10	Init. Calib. Times	: 16:41 18:25
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	9.916	10.000	99.2	70-130
Perfluoropentanoic Acid (PFPeA)	5.055	5.000	101.1	70-130
Perfluorobutanesulfonic Acid (PFBS)	2.292	2.217	103.4	70-130
Perfluorohexanoic Acid (PFHxA)	2.524	2.500	101	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	10.090	9.375	107.6	70-130
Perfluoropentanesulfonic Acid (PFPeS)	2.467	2.353	104.9	70-130
Perfluoroheptanoic Acid (PFHpA)	2.560	2.500	102.4	70-130
Perfluorohexanesulfonic Acid (PFHxS)	2.498	2.285	109.3	70-130
Perfluorooctanoic Acid (PFOA)	2.254	2.500	90.2	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	8.620	9.500	90.7	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	2.733	2.382	114.7	70-130
Perfluorononanoic Acid (PFNA)	2.709	2.500	108.4	70-130
Perfluorooctanesulfonic Acid (PFOS)	2.390	2.320	103	70-130
Perfluorodecanoic Acid (PFDA)	2.270	2.500	90.8	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.704	9.600	132.3*	70-130
Perfluorononanesulfonic Acid (PFNS)	2.436	2.405	101.3	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2.808	2.500	112.3	70-130
Perfluoroundecanoic Acid (PFUnA)	2.599	2.500	103.9	70-130
Perfluorodecanesulfonic Acid (PFDS)	2.792	2.413	115.7	70-130
Perfluorooctanesulfonamide (PFOSA)	2.501	2.500	100	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.326	2.500	93	70-130
Perfluorododecanoic Acid (PFDoA)	2.388	2.500	95.5	70-130
Perfluorotridecanoic Acid (PFTrDA)	2.586	2.500	103.4	70-130
Perfluorotetradecanoic Acid (PFTeDA)	2.632	2.500	105.3	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	10.594	10.000	105.9	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	10.115	9.450	107	70-130
Perfluorododecanesulfonic Acid (PFDoS)	2.807	2.425	115.8	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	12.028	9.350	128.6	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	11.934	9.450	126.3	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	3.029	2.500	121.2	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	2.508	2.500	100.3	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	26.151	25.000	104.6	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	24.326	25.000	97.3	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	5.201	5.000	104	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	5.057	5.000	101.1	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	4.765	4.450	107.1	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	5.304	5.000	106.1	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	13.198	12.500	105.6	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	62.515	62.500	100	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	62.068	62.500	99.3	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.929	10.000	99.3	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.320	5.000	106.4	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.166	2.330	93	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413423
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Instrument ID	: LCMS07	**Calibration Date**	: 03/21/24 19:20
Lab File ID	: SCI07_240321_36	**Init. Calib. Date(s)**	: 03/18/24 03/18/24
Sample No	: WG1899131-10	**Init. Calib. Times**	: 16:41 18:25
Channel	:		

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	4.095	4.690	87.3	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.521	2.500	100.8	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.613	2.500	104.5	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.232	2.370	94.2	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.539	2.500	101.6	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.447	4.755	93.5	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.239	1.250	99.1	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.236	2.395	93.4	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.331	1.250	106.5	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	3.550	4.800	74	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.296	5.000	85.9	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.068	1.250	85.5	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.404	2.500	96.2	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	4.701	5.000	94	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.016	1.250	81.3	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.067	1.250	85.4	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	9.522	10.000	95.2	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	1.954	2.500	78.1	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.376	2.500	95	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	23.051	25.000	92.2	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	23.932	25.000	95.7	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	3.154	2.500	126.2	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	3.367	2.500	134.7*	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	3.417	2.395	142.7*	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.868	1.250	149.5*	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	7.107	5.000	142.1*	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.638	1.250	131*	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	3.405	2.370	143.7*	70-130

* Value outside of QC limits.

L2413544

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2413544

2 Ground Water Samples, 1 Field Duplicate,
1 Equipment Blank, and 1 Trip Blank
Collected March 13, 2024

Prepared by: Donald Anné
April 4, 2024

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile results for 2 ground water samples, 1 field duplicate, and trip bank; PFAS results for 2 ground water samples, 1 field duplicate, and 1 equipment blank; and 1,4-dioxane results for 2 ground water samples and 1 field duplicate.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The volatile results for vinyl chloride for samples MW-6S and DUP031324 were quantitated using data that were extrapolated beyond the highest calibration standard and flagged "E" by the laboratory. The results for vinyl chloride marked "E" in the undiluted samples were qualified as estimated (J).

- The positive volatile results for 2-butanone were qualified as "estimated" (J) for samples MW-6S and DUP031324 because the %D for 2-butanone was above the allowable maximum in the associated continuing calibration verification sample.

All data are considered usable with estimated (J) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

679 Plank Road ● Clifton Park, New York 12065 ● (518) 348-6995 ● Fax (518) 348-6966
www.alphageoscience.com

Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-01	Date Collected	: 03/13/24 08:45
Client ID	: MW-6S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 08:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A07	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	40	2.5	0.70		
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	240	1.0	0.07	E	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-01	Date Collected	: 03/13/24 08:45
Client ID	: MW-6S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 08:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A07	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	27	2.5	0.70		
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	26	5.0	1.5		
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	2.8	5.0	1.9	J	J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413544-01	**Date Collected**	: 03/13/24 08:45
Client ID	: MW-6S	**Date Received**	: 03/13/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/18/24 08:41
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V30240318A07	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413544-01D	**Date Collected**	: 03/13/24 08:45
Client ID	: MW-6S	**Date Received**	: 03/13/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/19/24 21:32
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30240319N06	**Instrument ID**	: VOA130
Sample Amount	: 2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	230	5.0	0.36	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-02D	Date Collected	: 03/13/24 10:20
Client ID	: MW-4S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 09:24
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A09	Instrument ID	: VOA130
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	62	18.	U
75-34-3	1,1-Dichloroethane	49	62	18.	J
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	3.4	U
78-87-5	1,2-Dichloropropane	ND	25	3.4	U
124-48-1	Dibromochloromethane	ND	12	3.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	ND	12	4.5	U
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	3.3	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U
71-43-2	Benzene	ND	12	4.0	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND	62	18.	U
75-01-4	Vinyl chloride	1100	25	1.8	
75-00-3	Chloroethane	ND	62	18.	U
75-35-4	1,1-Dichloroethene	7.8	12	4.2	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-02D	Date Collected	: 03/13/24 10:20
Client ID	: MW-4S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 09:24
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A09	Instrument ID	: VOA130
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	62	18.	U
79-01-6	Trichloroethene	ND	12	4.4	U
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	18.	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	4000	62	18.	
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	ND	120	25.	U
67-64-1	Acetone	ND	120	36.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	ND	120	48.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
79-20-9	Methyl Acetate	ND	50	5.8	U
110-82-7	Cyclohexane	ND	250	6.8	U
123-91-1	1,4-Dioxane	ND	6200	1500	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-02D	Date Collected	: 03/13/24 10:20
Client ID	: MW-4S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 09:24
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A09	Instrument ID	: VOA130
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-03	Date Collected	: 03/13/24 00:00
Client ID	: DUP031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 09:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A08	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	2.5	0.70	U	
75-34-3	1,1-Dichloroethane	47	2.5	0.70		
67-66-3	Chloroform	ND	2.5	0.70	U	
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U	
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U	
124-48-1	Dibromochloromethane	ND	0.50	0.15	U	
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U	
127-18-4	Tetrachloroethene	ND	0.50	0.18	U	
108-90-7	Chlorobenzene	ND	2.5	0.70	U	
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U	
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U	
75-27-4	Bromodichloromethane	ND	0.50	0.19	U	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U	
75-25-2	Bromoform	ND	2.0	0.65	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U	
71-43-2	Benzene	ND	0.50	0.16	U	
108-88-3	Toluene	ND	2.5	0.70	U	
100-41-4	Ethylbenzene	ND	2.5	0.70	U	
74-87-3	Chloromethane	ND	2.5	0.70	U	
74-83-9	Bromomethane	ND	2.5	0.70	U	
75-01-4	Vinyl chloride	280	1.0	0.07	E	J
75-00-3	Chloroethane	ND	2.5	0.70	U	
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-03	Date Collected	: 03/13/24 00:00
Client ID	: DUP031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 09:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A08	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	32	2.5	0.70		
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	27	5.0	1.5		
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	2.9	5.0	1.9	J	J
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413544-03	**Date Collected**	: 03/13/24 00:00
Client ID	: DUP031324	**Date Received**	: 03/13/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/18/24 09:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V30240318A08	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413544-03D	**Date Collected**	: 03/13/24 00:00
Client ID	: DUP031324	**Date Received**	: 03/13/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/19/24 21:54
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30240319N07	**Instrument ID**	: VOA130
Sample Amount	: 2 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	270	5.0	0.36	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-05	Date Collected	: 03/13/24 00:00
Client ID	: TB031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 08:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A06	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-05	Date Collected	: 03/13/24 00:00
Client ID	: TB031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/18/24 08:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V30240318A06	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.70	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413544-05	**Date Collected**	: 03/13/24 00:00
Client ID	: TB031324	**Date Received**	: 03/13/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/18/24 08:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V30240318A06	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413544-01	**Date Collected**	: 03/13/24 08:45
Client ID	: MW-6S	**Date Received**	: 03/13/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/19/24 04:41
Sample Matrix	: WATER	**Date Extracted**	: 03/16/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2303182428	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: PAH23
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	27000	150	33.9	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413544-02	**Date Collected**	: 03/13/24 10:20
Client ID	: MW-4S	**Date Received**	: 03/13/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/19/24 05:09
Sample Matrix	: WATER	**Date Extracted**	: 03/16/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2303182429	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: PAH23
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	15500	150	33.9	

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Lab ID	: L2413544-03	**Date Collected**	: 03/13/24 00:00
Client ID	: DUP031324	**Date Received**	: 03/13/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 03/19/24 05:37
Sample Matrix	: WATER	**Date Extracted**	: 03/16/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F2303182430	**Analyst**	: CSP
Sample Amount	: 250 ml	**Instrument ID**	: PAH23
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	27300	150	33.9	

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-01	Date Collected	: 03/13/24 08:45
Client ID	: MW-6S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 14:56
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_09	Analyst	: RS
Sample Amount	: 524.22 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	7.36	6.10	0.977	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	6.05	3.05	0.816	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	4.75	1.53	0.511	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.10	1.59	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	5.71	1.53	0.450	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.53	0.267	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	3.86	1.53	0.305	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.53	0.366	U
335-67-1	Perfluorooctanoic Acid (PFOA)	5.80	1.53	0.664	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.10	2.06	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.53	0.412	U
375-95-1	Perfluorononanoic Acid (PFNA)	2.13	1.53	0.481	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	3.79	1.53	0.694	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.53	0.618	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.10	2.37	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.53	0.473	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.53	0.832	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.53	0.664	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-01	Date Collected	: 03/13/24 08:45
Client ID	: MW-6S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 14:56
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_09	Analyst	: RS
Sample Amount	: 524.22 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.53	0.351	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.53	0.412	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.53	0.824	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.53	0.702	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.53	0.572	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.53	0.404	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.10	0.855	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.10	0.961	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.53	0.580	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.10	1.26	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.10	1.26	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.53	0.664	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.53	0.702	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.3	3.59	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-01	Date Collected	: 03/13/24 08:45
Client ID	: MW-6S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 14:56
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_09	Analyst	: RS
Sample Amount	: 524.22 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.3	1.87	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.05	0.435	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.05	0.404	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.05	0.336	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.05	1.80	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.63	2.52	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.2	8.93	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.2	6.02	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-02	Date Collected	: 03/13/24 10:20
Client ID	: MW-4S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 15:35
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_12	Analyst	: RS
Sample Amount	: 533.34 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	4.99	6.00	0.960	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.50	3.00	0.802	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	1.51	1.50	0.502	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.00	1.57	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	0.915	1.50	0.442	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.50	0.262	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	0.727	1.50	0.300	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.50	0.360	U
335-67-1	Perfluorooctanoic Acid (PFOA)	1.30	1.50	0.652	J
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.00	2.02	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.50	0.405	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.50	0.472	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.50	0.682	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.50	0.607	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.00	2.33	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.50	0.465	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.50	0.817	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.50	0.652	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-02	Date Collected	: 03/13/24 10:20
Client ID	: MW-4S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 15:35
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_12	Analyst	: RS
Sample Amount	: 533.34 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.50	0.345	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.50	0.405	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.50	0.810	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.50	0.690	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.50	0.562	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.50	0.397	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.00	0.840	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.00	0.945	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.50	0.570	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.00	1.24	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.00	1.24	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.50	0.652	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.50	0.690	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.0	3.52	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-02	Date Collected	: 03/13/24 10:20
Client ID	: MW-4S	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 15:35
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_12	Analyst	: RS
Sample Amount	: 533.34 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.0	1.84	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.00	0.427	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.00	0.397	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.00	0.330	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.00	1.77	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.50	2.47	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.5	8.77	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.5	5.92	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-03	Date Collected	: 03/13/24 00:00
Client ID	: DUP031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 15:47
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_13	Analyst	: RS
Sample Amount	: 530.76 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	6.87	6.03	0.965	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	6.74	3.01	0.806	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	5.63	1.51	0.505	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.03	1.58	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	6.28	1.51	0.445	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.51	0.264	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	4.23	1.51	0.301	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.51	0.362	U
335-67-1	Perfluorooctanoic Acid (PFOA)	6.19	1.51	0.656	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.03	2.03	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.51	0.407	U
375-95-1	Perfluorononanoic Acid (PFNA)	2.41	1.51	0.475	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	4.02	1.51	0.686	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.51	0.610	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.03	2.34	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.51	0.467	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.51	0.821	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.51	0.656	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-03	Date Collected	: 03/13/24 00:00
Client ID	: DUP031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 15:47
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_13	Analyst	: RS
Sample Amount	: 530.76 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.51	0.347	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.51	0.407	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.51	0.814	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.51	0.693	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.51	0.565	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.51	0.399	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.03	0.844	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.03	0.950	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.51	0.573	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.03	1.24	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.03	1.24	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.51	0.656	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.51	0.693	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.1	3.54	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-03	Date Collected	: 03/13/24 00:00
Client ID	: DUP031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 15:47
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_13	Analyst	: RS
Sample Amount	: 530.76 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.1	1.85	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.01	0.430	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.01	0.399	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.01	0.332	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.01	1.78	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.54	2.49	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.7	8.82	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.7	5.95	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-04	Date Collected	: 03/13/24 09:30
Client ID	: EB031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 16:00
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_14	Analyst	: RS
Sample Amount	: 526.15 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.08	0.973	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.04	0.813	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.52	0.509	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.08	1.59	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.52	0.448	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.52	0.266	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.52	0.304	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.52	0.365	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.52	0.661	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.08	2.05	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.410	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.52	0.479	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.52	0.692	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.52	0.616	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.08	2.36	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.52	0.471	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.52	0.829	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.661	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-04	Date Collected	: 03/13/24 09:30
Client ID	: EB031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 16:00
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_14	Analyst	: RS
Sample Amount	: 526.15 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.52	0.350	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.52	0.410	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.52	0.821	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.699	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.570	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.403	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.08	0.851	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.08	0.958	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.52	0.578	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.08	1.25	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.08	1.25	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.661	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.52	0.699	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.2	3.57	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Lab ID	: L2413544-04	Date Collected	: 03/13/24 09:30
Client ID	: EB031324	Date Received	: 03/13/24
Sample Location	: COLONIE, NY	Date Analyzed	: 03/26/24 16:00
Sample Matrix	: WATER	Date Extracted	: 03/21/24
Analytical Method	: 144,1633	Dilution Factor	: 1
Lab File ID	: SCI08_240326_14	Analyst	: RS
Sample Amount	: 526.15 g	Instrument ID	: LCMS08
Extraction Method	: EPA 1633	GC Column	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 3 uL

		ng/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.2	1.86	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.04	0.433	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.04	0.403	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.04	0.334	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.04	1.79	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.60	2.51	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.0	8.89	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.0	6.00	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260C Volatiles Data
for Alpha Analytical, SDG Number: L2413544

2 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected March 13, 2024

Prepared by: Donald Anné
April 4, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for 11 compounds (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for VOA130 on 02-20-24. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 14 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 03-18-24 (V30240318A01). The %Ds for bromomethane, chloroethane, trichlorofluoromethane, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, and 1,2-dibromo-3-chloropropane were above the method maximum on 03-18-24 (V30240318A01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

The %Ds for bromomethane, chloroethane, trichlorofluoromethane, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, and 1,2-dibromo-3-chloropropane were above the allowable maximum (20%) on 03-18-24 (V30240318A01). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected.

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Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Laboratory Control Sample: The relative percent difference (RPD) for vinyl chloride was below the allowable maximum and the percent recoveries (%Rs) were within the QC limits for aqueous samples WG1898374-3/4.

The RPDs for target compounds were below the allowable maximum, but 2 of 2 %Rs for chloroethane and 1 of 2 %Rs for bromomethane were above the QC limits for aqueous samples WG1898061-3/4. Positive results for chloroethane and bromomethane should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (20%) for aqueous field duplicate pair MW-6S/DUP031324 (attached table), as required.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

The results for vinyl chloride in samples MW-6S and DUP031324 were quantitated by extrapolating data above the highest calibration standard and marked ‘E’ by the laboratory. The samples were diluted by the laboratory and re-analyzed; therefore, the results that are flagged as ‘E’ in the undiluted samples should be considered estimated (J). The use of the diluted results for vinyl chloride is recommended for the samples. It is recommended that the undiluted results be used for all other compounds.

Laboratory Control Sample Summary
Form 3
Volatiles

Client : Sterling Environmental Engineering
Project Name : TROY BELTING
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1898061-3 Analysis Date : 03/18/24 06:29 File ID : V30240318A01
LCSD Sample ID : WG1898061-4 Analysis Date : 03/18/24 06:51 File ID : V30240318A02
Lab Number : L2413544
Project Number : 2011-31

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	10	100	10	10	100	0	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	11	110	10	10	100	10	70-130	20
Carbon tetrachloride	10	11	110	10	10	100	10	63-132	20
1,2-Dichloropropane	10	9.9	99	10	9.7	97	2	70-130	20
Dibromochloromethane	10	9.0	90	10	9.0	90	0	63-130	20
1,1,2-Trichloroethane	10	9.4	94	10	9.5	95	1	70-130	20
Tetrachloroethene	10	11	110	10	10	100	10	70-130	20
Chlorobenzene	10	11	110	10	10	100	10	75-130	20
Trichlorofluoromethane	10	14	140	10	14	140	0	62-150	20
1,2-Dichloroethane	10	9.8	98	10	10	100	2	70-130	20
1,1,1-Trichloroethane	10	11	110	10	10	100	10	67-130	20
Bromodichloromethane	10	9.9	99	10	9.7	97	2	67-130	20
trans-1,3-Dichloropropene	10	9.0	90	10	8.9	89	1	70-130	20
cis-1,3-Dichloropropene	10	9.2	92	10	9.3	93	1	70-130	20
Bromoform	10	8.4	84	10	8.7	87	4	54-136	20
1,1,2,2-Tetrachloroethane	10	8.7	87	10	9.6	96	10	67-130	20
Benzene	10	11	110	10	10	100	10	70-130	20
Toluene	10	11	110	10	10	100	10	70-130	20
Ethylbenzene	10	11	110	10	10	100	10	70-130	20
Chloromethane	10	11	110	10	10	100	10	64-130	20
Bromomethane	10	14	140 Q	10	13	130	7	39-139	20
Vinyl chloride	10	11	110	10	10	100	10	55-140	20
Chloroethane	10	17	170 Q	10	16	160 Q	6	55-138	20
1,1-Dichloroethene	10	11	110	10	11	110	0	61-145	20
trans-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1898061-3	Analysis Date : 03/18/24 06:29	File ID : V30240318A01
LCSD Sample ID	: WG1898061-4	Analysis Date : 03/18/24 06:51	File ID : V30240318A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	11	110	10	10	100	10	70-130	20
1,2-Dichlorobenzene	10	10	100	10	9.8	98	2	70-130	20
1,3-Dichlorobenzene	10	11	110	10	10	100	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	10	8.3	83	10	9.2	92	10	63-130	20
p/m-Xylene	20	22	110	20	20	100	10	70-130	20
o-Xylene	20	21	105	20	20	100	5	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	10	100	10	70-130	20
Styrene	20	21	105	20	20	100	5	70-130	20
Dichlorodifluoromethane	10	10	100	10	10	100	0	36-147	20
Acetone	10	8.8	88	10	9.9	99	12	58-148	20
Carbon disulfide	10	12	120	10	11	110	9	51-130	20
2-Butanone	10	7.3	73	10	8.5	85	15	63-138	20
4-Methyl-2-pentanone	10	7.2	72	10	8.5	85	17	59-130	20
2-Hexanone	10	7.1	71	10	8.3	83	16	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromoethane	10	9.3	93	10	9.6	96	3	70-130	20
1,2-Dibromo-3-chloropropane	10	7.8	78	10	8.6	86	10	41-144	20
Isopropylbenzene	10	10	100	10	9.8	98	2	70-130	20
1,2,3-Trichlorobenzene	10	9.8	98	10	9.7	97	1	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	9.6	96	4	70-130	20
Methyl Acetate	10	8.0	80	10	9.3	93	15	70-130	20
Cyclohexane	10	11	110	10	10	100	10	70-130	20
1,4-Dioxane	500	420	84	500	500	100	17	56-162	20
Freon-113	10	12	120	10	11	110	9	70-130	20
Methyl cyclohexane	10	11	110	10	10	100	10	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Instrument ID	: VOA130	**Ical Ref**	: ICAL20872
Calibration dates	: 02/20/24 17:23 02/20/24 21:01		

Calibration Files
L11 =V30240220N04.D L1 =V30240220N06.D L2 =V30240220N08.D L3 =V30240220N10.D L4 =V30240220N11.D
L6 =V30240220N12.D L8 =V30240220N13.D L10 =V30240220N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.157	0.207	0.235	0.211	0.206	0.200	0.208	0.203	11.47
3)	TP	Chloromethane		0.250	0.290	0.313	0.282	0.276	0.265	0.271	0.278	7.15
4)	TC	Vinyl chloride	0.224	0.197	0.241	0.269	0.240	0.236	0.231	0.237	0.234	8.54
5)	TP	Bromomethane		0.101	0.106	0.102	0.096	0.098	0.106	0.102	0.101	3.73
6)	TP	Chloroethane		0.084	0.089	0.099	0.083	0.102	0.088	0.086	0.090	8.27
7)	TP	Trichlorofluor		0.137	0.166	0.182	0.162	0.160	0.172	0.164	0.163	8.44
8)	TP	Ethyl ether		0.060	0.062	0.062	0.056	0.055	0.057	0.063	0.059	5.71
10)	TC	1,1-Dichloroet		0.109	0.141	0.159	0.142	0.140	0.139	0.148	0.140	10.93
11)	TP	Carbon disulfide		0.414	0.459	0.506	0.456	0.458	0.457	0.478	0.461	6.02
12)	TP	Freon-113		0.104	0.131	0.152	0.138	0.134	0.132	0.141	0.133	11.19
13)	TP	Iodomethane			0.107	0.158	0.166	0.178	0.181	0.195	0.164	18.88
14)	TP	Acrolein		0.023	0.023	0.023	0.024	0.023	0.023	0.023	0.023	2.26
15)	TP	Methylene chlo		0.197	0.183	0.191	0.171	0.167	0.163	0.173	0.178	7.04
17)	TP	Acetone			0.056	0.047	0.042	0.041	0.040	0.038	0.044	15.42
18)	TP	trans-1,2-Dich		0.131	0.151	0.168	0.151	0.150	0.149	0.159	0.151	7.45
19)	TP	Methyl acetate		0.127	0.107	0.103	0.104	0.102	0.100	0.097	0.106	9.40
21)	TP	Methyl tert butyl ether		0.329	0.350	0.404	0.414	0.417	0.407	0.415	0.391	9.16
22)	TP	tert-Butyl alc		0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.011	5.49
24)	TP	Diisopropyl ether		0.574	0.607	0.697	0.657	0.666	0.643	0.665	0.644	6.38
25)	TP	1,1-Dichloroet		0.314	0.366	0.396	0.354	0.347	0.336	0.353	0.353	7.23
26)	TP	Halothane		0.084	0.103	0.115	0.107	0.106	0.105	0.112	0.105	9.75
27)	TP	Acrylonitrile		0.045	0.052	0.051	0.050	0.049	0.048	0.047	0.049	4.86
28)	TP	Ethyl tert-but		0.443	0.473	0.542	0.533	0.545	0.531	0.549	0.517	8.03
29)	TP	Vinyl acetate		0.329	0.347	0.356	0.403	0.396	0.374	0.389	0.371	7.41
30)	TP	cis-1,2-Dichlo		0.157	0.175	0.190	0.172	0.170	0.167	0.180	0.173#	6.00
31)	TP	2,2-Dichloropr		0.194	0.248	0.277	0.255	0.249	0.243	0.254	0.246	10.32
33)	TP	Bromochloromet		0.069	0.070	0.075	0.071	0.069	0.068	0.072	0.071#	3.43
34)	TP	Cyclohexane		0.232	0.297	0.357	0.339	0.333	0.323	0.338	0.317	13.10
35)	TC	Chloroform		0.276	0.307	0.328	0.296	0.289	0.280	0.298	0.296	6.00
36)	TP	Ethyl acetate		0.147	0.138	0.140	0.149	0.149	0.145	0.141	0.144	3.16
37)	TP	Carbon tetrachloride	0.146	0.136	0.179	0.210	0.197	0.197	0.195	0.209	0.184	15.27
38)	TP	Tetrahydrofuran		0.048	0.045	0.045	0.045	0.044	0.042	0.041	0.044	5.24
39)	S	Dibromofluoromethane	0.251	0.250	0.247	0.241	0.241	0.235	0.234	0.231	0.241	3.16
40)	TP	1,1,1-Trichlor		0.177	0.232	0.263	0.243	0.240	0.235	0.249	0.234	11.66
42)	TP	2-Butanone		0.062	0.069	0.061	0.064	0.065	0.064	0.061	0.064	4.27

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Instrument ID	: VOA130	**Ical Ref**	: ICAL20872
Calibration dates	: 02/20/24 17:23 02/20/24 21:01		

Calibration Files
L11 =V30240220N04.D L1 =V30240220N06.D L2 =V30240220N08.D L3 =V30240220N10.D L4 =V30240220N11.D
L6 =V30240220N12.D L8 =V30240220N13.D L10 =V30240220N14.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43)	TP	1,1-Dichloropr		0.162	0.211	0.246	0.239	0.241	0.235	0.249	0.226	13.59
45)	TP	Benzene	0.582	0.563	0.639	0.716	0.663	0.668	0.650	0.679	0.645	7.82
46)	TP	Tertiary-Amyl Methyl Ether		0.380	0.382	0.431	0.422	0.431	0.424	0.438	0.416	5.75
47)	S	1,2-Dichloroethane-d4	0.327	0.335	0.336	0.336	0.331	0.323	0.318	0.303	0.326	3.47
48)	TP	1,2-Dichloroet		0.212	0.230	0.245	0.228	0.225	0.216	0.222	0.225	4.74
51)	TP	Methyl cyclohe		0.173	0.232	0.275	0.259	0.267	0.266	0.285	0.251	15.16
52)	TP	Trichloroethene	0.142	0.127	0.145	0.171	0.161	0.166	0.164	0.174	0.156#	10.62
54)	TP	Dibromomethane		0.087	0.089	0.093	0.091	0.090	0.088	0.092	0.090	2.21
55)	TC	1,2-Dichloropr		0.166	0.182	0.208	0.198	0.201	0.196	0.207	0.194	7.82
57)	TP	2-Chloroethyl		0.079	0.086	0.099	0.100	0.100	0.099	0.098	0.094	9.10
58)	TP	Bromodichlorom		0.195	0.207	0.235	0.230	0.231	0.225	0.238	0.223#	7.13
61)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	1.96
62)	TP	cis-1,3-Dichlo		0.220	0.232	0.277	0.275	0.285	0.280	0.295	0.266#	10.68
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.369	1.377	1.389	1.393	1.381	1.392	1.373	1.359	1.379	0.87
65)	TC	Toluene		0.469	0.532	0.607	0.542	0.553	0.540	0.574	0.545	7.75
66)	TP	4-Methyl-2-pen		0.053	0.060	0.066	0.068	0.071	0.069	0.068	0.065	9.87
67)	TP	Tetrachloroethene		0.138	0.169	0.196	0.179	0.186	0.186	0.201	0.179	11.67
69)	TP	trans-1,3-Dich		0.248	0.271	0.327	0.329	0.349	0.344	0.358	0.318	13.11
71)	TP	Ethyl methacry		0.202	0.227	0.251	0.253	0.260	0.253	0.255	0.243	8.58
72)	TP	1,1,2-Trichlor		0.127	0.143	0.159	0.156	0.162	0.159	0.165	0.153#	8.80
73)	TP	Chlorodibromom		0.135	0.162	0.179	0.183	0.194	0.193	0.205	0.179#	13.14
74)	TP	1,3-Dichloropr		0.260	0.298	0.339	0.333	0.342	0.336	0.344	0.322	9.80
75)	TP	1,2-Dibromoethane		0.128	0.136	0.161	0.162	0.167	0.163	0.169	0.155#	10.41
77)	TP	2-Hexanone		0.097	0.113	0.130	0.132	0.137	0.133	0.127	0.124	11.45
78)	T	Chlorobenzene		0.490	0.548	0.608	0.547	0.559	0.546	0.583	0.554	6.63
79)	TC	Ethylbenzene		0.888	1.041	1.179	1.061	1.070	1.034	1.069	1.049	8.17
80)	T	1,1,1,2-Tetrac		0.145	0.161	0.191	0.182	0.194	0.193	0.209	0.182	12.12
81)	TP	p/m Xylene		0.316	0.377	0.433	0.390	0.402	0.393	0.417	0.390	9.62
82)	TP	o Xylene		0.314	0.371	0.421	0.380	0.392	0.385	0.409	0.382	9.06
83)	TP	Styrene		0.491	0.591	0.700	0.641	0.654	0.635	0.647	0.623	10.65
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.164	0.168	0.193	0.192	0.201	0.200	0.211	0.190	9.20
87)	TP	Isopropylbenzene		1.525	1.850	2.110	1.872	1.854	1.803	1.860	1.839	9.30
88)	S	4-Bromofluorobenzene	1.050	1.040	1.035	1.026	1.011	0.973	0.963	0.949	1.006	3.84
89)	TP	Bromobenzene		0.377	0.413	0.451	0.403	0.407	0.398	0.430	0.411	5.78

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2413544**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL20872**
Calibration dates	**: 02/20/24 17:23 02/20/24 21:01**		

Calibration Files
L11 =V30240220N04.D L1 =V30240220N06.D L2 =V30240220N08.D L3 =V30240220N10.D L4 =V30240220N11.D
L6 =V30240220N12.D L8 =V30240220N13.D L10 =V30240220N14.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		1.941	2.312	2.695	2.407	2.378	2.284	2.257	2.325	9.63
91) TP	1,4-Dichlorobu		0.642	0.645	0.691	0.648	0.636	0.614	0.617	0.642	3.98
92) TP	1,1,2,2-Tetrac		0.412	0.431	0.434	0.428	0.414	0.403	0.407	0.418	2.92
93) TP	4-Ethyltoluene		1.482	1.816	2.140	1.914	1.914	1.868	1.903	1.862	10.54
94) TP	2-Chlorotoluene		1.239	1.437	1.616	1.417	1.410	1.371	1.438	1.418	7.86
95) TP	1,3,5-Trimethy		1.236	1.575	1.839	1.645	1.657	1.614	1.666	1.605	11.37
96) TP	1,2,3-Trichlor		0.337	0.344	0.362	0.343	0.341	0.332	0.334	0.342	2.99
97) TP	trans-1,4-Dich		0.113	0.122	0.131	0.131	0.129	0.127	0.125	0.126	5.08
98) TP	4-Chlorotoluene		1.276	1.479	1.676	1.490	1.496	1.452	1.503	1.482	7.88
99) TP	tert-Butylbenzene		1.011	1.244	1.448	1.292	1.304	1.285	1.334	1.274	10.39
102) TP	1,2,4-Trimethy		1.223	1.540	1.810	1.630	1.646	1.598	1.642	1.584	11.32
103) TP	sec-Butylbenzene		1.442	1.866	2.190	1.985	1.995	1.943	1.943	1.909	11.98
104) TP	p-Isopropyltol		1.157	1.495	1.806	1.647	1.692	1.646	1.663	1.587	13.25
105) TP	1,3-Dichlorobe		0.696	0.797	0.889	0.811	0.835	0.822	0.869	0.817	7.62
106) TP	1,4-Dichlorobe		0.758	0.827	0.911	0.822	0.845	0.831	0.880	0.839	5.75
107) TP	p-Diethylbenzene		0.652	0.847	1.068	1.001	1.044	1.029	1.068	0.958	16.18
108) TP	n-Butylbenzene		1.052	1.374	1.708	1.572	1.613	1.560	1.547	1.490	14.57
109) TP	1,2-Dichlorobe		0.709	0.777	0.858	0.779	0.799	0.784	0.822	0.790	5.81
110) TP	1,2,4,5-Tetram		1.085	1.277	1.628	1.553	1.625	1.583	1.603	1.479	14.38
111) TP	1,2-Dibromo-3-		0.050	0.049	0.052	0.054	0.057	0.056	0.055	0.053	5.61
112) TP	1,3,5-Trichlor		0.407	0.506	0.604	0.565	0.595	0.587	0.624	0.555	13.62
113) TP	Hexachlorobuta		0.134	0.151	0.181	0.171	0.183	0.184	0.193	0.171	12.29
114) TP	1,2,4-Trichlor		0.401	0.444	0.531	0.502	0.535	0.525	0.555	0.499	11.21
115) TP	Naphthalene		1.023	1.077	1.246	1.256	1.253	1.215	1.187	1.180	7.89
116) TP	1,2,3-Trichlor		0.396	0.416	0.488	0.466	0.482	0.472	0.491	0.459	8.14

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2413544	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 03/18/24 06:29	
Lab File ID	: V30240318A01		Init. Calib. Date(s)	: 02/20/24	02/20/24
Sample No	: WG1898061-2		Init. Calib. Times	: 17:23	21:01
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	96	0
Dichlorodifluoromethane	0.203	0.215	-	-5.9	20	88	0
Chloromethane	0.278	0.301	-	-8.3	20	92	0
Vinyl chloride	0.234	0.262	-	-12	20	93	0
Bromomethane	0.101	0.141	-	-39.6*	20	133	0
Chloroethane	0.09	0.152	-	-68.9*	20	147	0
Trichlorofluoromethane	0.163	0.232	-	-42.3*	20	122	0
Ethyl ether	0.059	0.073	-	-23.7*	20	112	0
1,1-Dichloroethene	0.14	0.156	-	-11.4	20	94	0
Carbon disulfide	0.461	0.539	-	-16.9	20	102	0
Freon-113	0.133	0.155	-	-16.5	20	97	0
Acrolein	0.023	0.019	-	17.4	20	80	-.01
Methylene chloride	0.178	0.187	-	-5.1	20	94	0
Acetone	0.044	0.039	-	11.4	20	79	0
trans-1,2-Dichloroethene	0.151	0.168	-	-11.3	20	96	0
Methyl acetate	0.106	0.085	-	19.8	20	79	0
Methyl tert-butyl ether	0.391	0.325	-	16.9	20	77	0
tert-Butyl alcohol	0.01087	0.0085*	-	21.8*	20	73	0
Diisopropyl ether	0.644	0.611	-	5.1	20	84	0
1,1-Dichloroethane	0.353	0.387	-	-9.6	20	93	0
Halothane	0.105	0.114	-	-8.6	20	94	0
Acrylonitrile	0.049	0.042	-	14.3	20	79	0
Ethyl tert-butyl ether	0.517	0.453	-	12.4	20	80	0
Vinyl acetate	0.371	0.315	-	15.1	20	85	0
cis-1,2-Dichloroethene	0.173	0.184*	-	-6.4	20	92	0
2,2-Dichloropropane	0.246	0.277	-	-12.6	20	96	0
Bromochloromethane	0.071	0.072*	-	-1.4	20	92	0
Cyclohexane	0.317	0.353	-	-11.4	20	94	0
Chloroform	0.296	0.318	-	-7.4	20	93	0
Ethyl acetate	0.144	0.111	-	22.9*	20	76	0
Carbon tetrachloride	0.184	0.202	-	-9.8	20	92	0
Tetrahydrofuran	0.044	0.034	-	22.7*	20	72	-.01
Dibromofluoromethane	0.241	0.244	-	-1.2	20	97	0
1,1,1-Trichloroethane	0.234	0.252	-	-7.7	20	92	0
2-Butanone	0.064	0.046	-	28.1*	20	73	0
1,1-Dichloropropene	0.226	0.244	-	-8	20	95	0
Benzene	0.645	0.705	-	-9.3	20	94	0
tert-Amyl methyl ether	0.416	0.337	-	19	20	75	0
1,2-Dichloroethane-d4	0.326	0.33	-	-1.2	20	94	0
1,2-Dichloroethane	0.225	0.221	-	1.8	20	86	0
Methyl cyclohexane	0.251	0.271	-	-8	20	94	0
Trichloroethene	0.156	0.166*	-	-6.4	20	93	0
Dibromomethane	0.09	0.083	-	7.8	20	86	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2413544	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 03/18/24 06:29	
Lab File ID	: V30240318A01		Init. Calib. Date(s)	: 02/20/24	02/20/24
Sample No	: WG1898061-2		Init. Calib. Times	: 17:23	21:01
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.194	0.193	-	0.5	20	88	0
Bromodichloromethane	0.223	0.22*	-	1.3	20	90	0
1,4-Dioxane	0.00121	0.00103*	-	14.9	20	82	0
cis-1,3-Dichloropropene	0.266	0.246*	-	7.5	20	85	0
Chlorobenzene-d5	1	1	-	0	20	93	0
Toluene-d8	1.379	1.432	-	-3.8	20	95	0
Toluene	0.545	0.593	-	-8.8	20	90	0
4-Methyl-2-pentanone	0.065	0.047	-	27.7*	20	66	0
Tetrachloroethene	0.179	0.202	-	-12.8	20	96	0
trans-1,3-Dichloropropene	0.318	0.287*	-	9.7	20	81	0
Ethyl methacrylate	0.243	0.184	-	24.3*	20	68	0
1,1,2-Trichloroethane	0.153	0.144*	-	5.9	20	84	0
Chlorodibromomethane	0.179	0.162*	-	9.5	20	84	0
1,3-Dichloropropane	0.322	0.308	-	4.3	20	84	0
1,2-Dibromoethane	0.155	0.145*	-	6.5	20	83	0
2-Hexanone	0.124	0.088	-	29*	20	63	0
Chlorobenzene	0.554	0.593	-	-7	20	90	0
Ethylbenzene	1.049	1.112	-	-6	20	87	0
1,1,1,2-Tetrachloroethane	0.182	0.179	-	1.6	20	87	0
p/m Xylene	0.39	0.423	-	-8.5	20	90	0
o Xylene	0.382	0.408	-	-6.8	20	90	0
Styrene	0.623	0.669	-	-7.4	20	89	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	97	0
Bromoform	0.19	0.159	-	16.3	20	80	0
Isopropylbenzene	1.839	1.932	-	-5.1	20	89	0
4-Bromofluorobenzene	1.006	0.992	-	1.4	20	93	0
Bromobenzene	0.411	0.417	-	-1.5	20	89	0
n-Propylbenzene	2.325	2.537	-	-9.1	20	91	0
1,4-Dichlorobutane	0.642	0.577	-	10.1	20	81	0
1,1,2,2-Tetrachloroethane	0.418	0.366	-	12.4	20	82	0
4-Ethyltoluene	1.862	2.018	-	-8.4	20	91	0
2-Chlorotoluene	1.418	1.511	-	-6.6	20	90	0
1,3,5-Trimethylbenzene	1.605	1.7	-	-5.9	20	89	0
1,2,3-Trichloropropane	0.342	0.295	-	13.7	20	79	0
trans-1,4-Dichloro-2-buten	0.126	0.104	-	17.5	20	77	0
4-Chlorotoluene	1.482	1.577	-	-6.4	20	91	0
tert-Butylbenzene	1.274	1.335	-	-4.8	20	89	0
1,2,4-Trimethylbenzene	1.584	1.676	-	-5.8	20	90	0
sec-Butylbenzene	1.909	2.095	-	-9.7	20	92	0
p-Isopropyltoluene	1.587	1.697	-	-6.9	20	91	0
1,3-Dichlorobenzene	0.817	0.871	-	-6.6	20	95	0
1,4-Dichlorobenzene	0.839	0.88	-	-4.9	20	93	0
p-Diethylbenzene	0.958	1.008	-	-5.2	20	91	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2413544	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: VOA130		Calibration Date	: 03/18/24 06:29	
Lab File ID	: V30240318A01		Init. Calib. Date(s)	: 02/20/24	02/20/24
Sample No	: WG1898061-2		Init. Calib. Times	: 17:23	21:01
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.49	1.668	-	-11.9	20	94	0
1,2-Dichlorobenzene	0.79	0.802	-	-1.5	20	90	0
1,2,4,5-Tetramethylbenzene	1.479	1.418	-	4.1	20	84	0
1,2-Dibromo-3-chloropropan	0.053	0.041	-	22.6*	20	76	0
1,3,5-Trichlorobenzene	0.555	0.599	-	-7.9	20	96	0
Hexachlorobutadiene	0.171	0.179	-	-4.7	20	96	0
1,2,4-Trichlorobenzene	0.499	0.496	-	0.6	20	90	0
Naphthalene	1.18	0.999	-	15.3	20	78	0
1,2,3-Trichlorobenzene	0.459	0.449	-	2.2	20	89	0

* Value outside of QC limits.

1,4-Dioxane

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8270D SIM 1,4-Dioxane
Data for Alpha Analytical, SDG Number: L2413544

2 Ground Water Samples and 1 Field Duplicate
Collected March 13, 2024

Prepared by: Donald Anné
April 4, 2024

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Initial Calibration: The average RRF for 1,4-dioxane was above the allowable minimum (0.010) and the %RSD was below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 1,4-dioxane were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analysis of the method blank reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples.

Laboratory Control Sample: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous samples WG1897126-2/3.

Field Duplicates: The relative percent difference for 1,4-dioxane was below the allowable maximum for aqueous field duplicate pair MW-6S/DUP031324 (attached table), as required.

Compound ID: Checked 1,4-dioxane results were within quantitation limits.

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PFAS

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 1633 PFAS Data
for Alpha Analytical Labs SDG Number: L2413544

2 Ground Water Samples, 1 Field Duplicate,
and 1 Equipment Blank
Collected March 13, 2024

Prepared by: Donald Anné
April 4, 2024

Holding Times: Samples were extracted and analyzed within USEPA holding time.

Initial Calibration: The %RSDs for applicable PFASs were below the method maximum (20%) or the R or R squared were above the method minimums, as required.

Continuing Calibration: The percent recoveries for PFUnA, NFDHA, and 7:3FTCA were above QC limits (70-130%) on 03-26-24 (WG1900900-2). The percent recoveries for NFDHA and 7:3FTCA were above QC limits (70-130%) on 03-26-24 (WG1900900-3). Positive results for these PFAS should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and equipment blanks reported target PFAS as not detected.

Surrogate Recovery: One of eighteen surrogate recoveries for sample DUP031324 was above QC limits. Positive results for PFAS that were quantitated using these surrogates should be considered estimated (J) in the samples.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for PFAS were below the allowable maximum, but 2 of 2 percent recoveries for NFDHA were above QC limits for aqueous MS/MSD sample MW-6S. Sample MW-6S reported NFDHA as “not detected”; therefore, no action is taken.

Laboratory Control Sample: The percent recoveries for NFDHA were above QC limits for aqueous samples WG1899009-2/3. Positive results for NFDHA should be considered estimated, biased high (J+) in associated aqueous samples.

Field Duplicates: The relative percent differences for applicable PFAS were below the allowable maximum (20%) for aqueous field duplicate pair MW-6S/DUP031324 (attached table), as required.

Compound ID: Checked compound and surrogate results were within LC quantitation limits.

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Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Sterling Environmental Engineering
Project Name: TROY BELTING

Lab Number: L2413544
Project Number: 2011-31
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	S7 ()
MW-6S (L2413544-01)	62	72	77	134	69	58	65
MW-4S (L2413544-02)	76	83	79	107	74	60	70
DUP031324 (L2413544-03)	66	80	85	169*	74	68	76
EB031324 (L2413544-04)	80	83	85	64	73	63	74
WG1899009-1BLANK	82	91	83	69	79	73	75
WG1899009-2LCS	77	80	82	64	73	67	68
WG1899009-3LCS	68	69	72	56	61	58	61
MW-6SMS	57	71	80	153*	68	63	67
MW-6SMSD	52	58	64	133	58	52	55

QC LIMITS

(20-150) S1 = PERFLUORO[13C4]BUTANOIC ACID (MPFBA)
(20-150) S2 = PERFLUORO[13C5]PENTANOIC ACID (M5PFPEA)
(20-150) S3 = PERFLUORO[2,3,4-13C3]BUTANESULFONIC ACID (M3PFBS)
(20-150) S4 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]HEXANESULFONIC ACID (M2-4:2FTS)
(20-150) S5 = PERFLUORO[1,2,3,4,6-13C5]HEXANOIC ACID (M5PFHXA)
(20-150) S6 = PERFLUORO[1,2,3,4-13C4]HEPTANOIC ACID (M4PFHPA)
(20-150) S7 = PERFLUORO[1,2,3-13C3]HEXANESULFONIC ACID (M3PFHXS)

* Values outside of QC limits

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Sterling Environmental Engineering
Project Name: TROY BELTING

Lab Number: L2413544
Project Number: 2011-31
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S8 ()	S9 ()	S10 ()	S11 ()	S12 ()	S13 ()	S14 ()
MW-6S (L2413544-01)	62	52	58	61	53	84	60
MW-4S (L2413544-02)	68	51	74	63	57	71	61
DUP031324 (L2413544-03)	70	61	72	68	65	103	73
EB031324 (L2413544-04)	69	55	74	69	66	67	56
WG1899009-1BLANK	69	59	74	74	68	78	58
WG1899009-2LCS	67	58	66	70	68	71	52
WG1899009-3LCS	57	54	55	62	56	64	48
MW-6SMS	67	66	60	62	59	87	69
MW-6SMSD	49	49	47	55	46	81	58

QC LIMITS

(20-150) S8 = PERFLUORO[13C8]OCTANOIC ACID (M8PFOA)
(20-150) S9 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]OCTANESULFONIC ACID (M2-6:2FTS)
(20-150) S10 = PERFLUORO[13C9]NONANOIC ACID (M9PFNA)
(20-150) S11 = PERFLUORO[13C8]OCTANESULFONIC ACID (M8PFOS)
(20-150) S12 = PERFLUORO[1,2,3,4,5,6-13C6]DECANOIC ACID (M6PFDA)
(20-150) S13 = 1H,1H,2H,2H-PERFLUORO[1,2-13C2]DECANESULFONIC ACID (M2-8:2FTS)
(20-150) S14 = N-DEUTERIOMETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D3-NMEFOSAA)

* Values outside of QC limits

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Sterling Environmental Engineering
Project Name: TROY BELTING

Lab Number: L2413544
Project Number: 2011-31
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S15 ()	S16 ()	S17 ()	S18 ()	S19 ()	S20 ()	S21 ()
MW-6S (L2413544-01)	48	60	62	48	58	74	52
MW-4S (L2413544-02)	54	64	65	54	72	85	57
DUP031324 (L2413544-03)	64	74	79	64	77	88	57
EB031324 (L2413544-04)	65	69	62	58	72	90	59
WG1899009-1BLANK	60	57	63	56	58	98	45
WG1899009-2LCS	67	68	55	57	65	87	50
WG1899009-3LCS	54	57	47	53	58	78	41
MW-6SMS	52	72	57	52	60	79	49
MW-6SMSD	46	57	53	45	48	65	38

QC LIMITS

(20-150) S15 = PERFLUORO[1,2,3,4,5,6,7-13C7]UNDECANOIC ACID (M7-PFUDA)
(20-150) S16 = PERFLUORO[13C8]OCTANESULFONAMIDE (M8FOSA)
(20-150) S17 = N-DEUTERIOETHYLPERFLUORO-1-OCTANESULFONAMIDOACETIC ACID (D5-NETFOSAA)
(20-150) S18 = PERFLUORO[1,2-13C2]DODECANOIC ACID (MPFDOA)
(20-150) S19 = PERFLUORO[1,2-13C2]TETRADECANOIC ACID (M2PFTEDA)
(20-150) S20 = 2,3,3,3-TETRAFLUORO-2-[1,1,2,2,3,3,3-HEPTAFLUOROPROPOXY]-13C3-PROPANOIC ACID (M3HFPO-DA)
(20-150) S21 = N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDE (D3-NMEFOSA)

*** Values outside of QC limits**

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Sterling Environmental Engineering
Project Name: TROY BELTING

Lab Number: L2413544
Project Number: 2011-31
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S22 ()	S23 ()	S24 ()	S25 ()	S26 ()	S27 ()	S28 ()	TOT OUT
MW-6S (L2413544-01)	56	49	56	--	--	--	--	0
MW-4S (L2413544-02)	59	63	69	--	--	--	--	0
DUP031324 (L2413544-03)	64	63	70	--	--	--	--	1
EB031324 (L2413544-04)	62	69	73	--	--	--	--	0
WG1899009-1BLANK	50	54	65	--	--	--	--	0
WG1899009-2LCS	56	65	71	--	--	--	--	0
WG1899009-3LCS	45	52	54	--	--	--	--	0
MW-6SMS	56	56	60	--	--	--	--	1
MW-6SMSD	42	46	52	--	--	--	--	0

QC LIMITS

(20-150) S22 = N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDE (D5-NETFOSA)
(20-150) S23 = 2-(N-METHYL-D3-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D7-NMEFOSE)
(20-150) S24 = 2-(N-ETHYL-D5-PERFLUORO-1-OCTANESULFONAMIDO)ETHAN-D4-OL (D9-NETFOSE)

*** Values outside of QC limits**

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1899009-2	Analysis Date : 03/26/24 14:17	File ID : SCI08_240326_06.wiff
LCSD Sample ID	:	Analysis Date :	File ID :

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	12.8	14.4	112				-	40-150	30
Perfluoropentanoic Acid (PFPeA)	6.4	7.67	120				-	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	2.84	3.06	108				-	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	12	14.2	118				-	40-150	30
Perfluorohexanoic Acid (PFHxA)	3.2	3.66	114				-	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	3.01	3.31	110				-	40-150	30
Perfluoroheptanoic Acid (PFHpA)	3.2	3.60	112				-	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	2.92	3.37	115				-	40-150	30
Perfluorooctanoic Acid (PFOA)	3.2	3.97	124				-	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	12.2	13.5	111				-	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	3.05	2.68	88				-	40-150	30
Perfluorononanoic Acid (PFNA)	3.2	4.34	136				-	40-150	30
Perfluorooctanesulfonic Acid	2.97	3.70	124				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1899009-2 Analysis Date : 03/26/24 14:17	File ID	: SCI08_240326_06.wiff
LCSD Sample ID	: Analysis Date :	File ID	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFOS)									
Perfluorodecanoic Acid (PFDA)	3.2	2.93	92				-	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	12.3	15.2	124				-	40-150	30
Perfluorononanesulfonic Acid (PFNS)	3.08	2.94	95				-	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.2	4.50	141				-	40-150	30
Perfluoroundecanoic Acid (PFUnA)	3.2	3.88	121				-	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	3.09	3.01	97				-	40-150	30
Perfluorooctanesulfonamide (PFOSA)	3.2	3.82	119				-	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.2	2.88	90				-	40-150	30
Perfluorododecanoic Acid (PFDoA)	3.2	3.37	105				-	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	3.2	3.34	104				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1899009-2 **Analysis Date** : 03/26/24 14:17	**File ID**	: SCI08_240326_06.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	**True (ng/l)**	**Found (ng/l)**	**%R**	**True (ng/l)**	**Found (ng/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Perfluorotetradecanoic Acid (PFTeDA)	3.2	2.86	90				-	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	12.8	16.2	126				-	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	12.1	13.9	115				-	40-150	30
Perfluorododecanesulfonic Acid (PFDoS)	3.1	3.05	98				-	40-150	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	12	11.4	95				-	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	12.1	9.34	77				-	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	3.2	2.73	85				-	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	3.2	2.76	86				-	40-150	30
N-Methyl Perfluorooctanesulfonami	32	40.0	125				-	40-150	30

Laboratory Control Sample (Low Level) Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1899009-2	Analysis Date : 03/26/24 14:17	File ID : SCI08_240326_06.wiff
LCSD Sample ID	:	Analysis Date :	File ID :

	Laboratory Control Sample (LOW)			Laboratory Control Duplicate (LOW)					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamid o Ethanol (NEtFOSE)	32	37.4	117				-	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.4	7.38	115				-	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	6.4	7.71	120				-	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.7	7.52	132				-	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	6.4	10.4	163 Q				-	40-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16	15.1	94				-	40-150	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	80	57.7	72				-	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	80	41.3	52				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1899009-3 **Analysis Date** : 03/26/24 14:30	**File ID**	: SCI08_240326_07.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	80	85.7	107				-	40-150	30
Perfluoropentanoic Acid (PFPeA)	40	47.2	118				-	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	17.7	20.5	116				-	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	75	93.5	125				-	40-150	30
Perfluorohexanoic Acid (PFHxA)	20	24.9	125				-	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	18.8	24.1	128				-	40-150	30
Perfluoroheptanoic Acid (PFHpA)	20	23.2	116				-	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	18.3	21.4	117				-	40-150	30
Perfluorooctanoic Acid (PFOA)	20	22.2	111				-	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	76	87.0	114				-	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	19.1	20.4	107				-	40-150	30
Perfluorononanoic Acid (PFNA)	20	26.1	130				-	40-150	30
Perfluorooctanesulfonic Acid	18.6	21.7	117				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1899009-3 **Analysis Date** : 03/26/24 14:30	**File ID**	: SCI08_240326_07.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFOS)									
Perfluorodecanoic Acid (PFDA)	20	24.1	121				-	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	76.8	95.7	125				-	40-150	30
Perfluorononanesulfonic Acid (PFNS)	19.2	20.0	104				-	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	20	25.9	129				-	40-150	30
Perfluoroundecanoic Acid (PFUnA)	20	25.3	126				-	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	19.3	18.8	97				-	40-150	30
Perfluorooctanesulfonamide (PFOSA)	20	25.4	127				-	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	20	21.8	109				-	40-150	30
Perfluorododecanoic Acid (PFDoA)	20	22.0	110				-	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	20	21.2	106				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544
Project Name	: TROY BELTING	**Project Number**	: 2011-31
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1899009-3 **Analysis Date** : 03/26/24 14:30	**File ID**	: SCI08_240326_07.wiff
LCSD Sample ID	: **Analysis Date** :	**File ID**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorotetradecanoic Acid (PFTeDA)	20	21.1	105				-	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	80	105	131				-	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	75.6	80.2	106				-	40-150	30
Perfluorododecanesulfonic Acid (PFDoS)	19.4	20.7	106				-	40-150	30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	74.8	65.0	87				-	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	75.6	60.7	80				-	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	20	23.2	116				-	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	20	23.0	115				-	40-150	30
N-Methyl Perfluorooctanesulfonami	200	257	128				-	40-150	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Matrix (Level)	: WATER ()		
LCS Sample ID	: WG1899009-3 Analysis Date : 03/26/24 14:30	File ID	: SCI08_240326_07.wiff
LCSD Sample ID	: Analysis Date :	File ID	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
do Ethanol (NMeFOSE)									
N-Ethyl Perfluorooctanesulfonamid o Ethanol (NEtFOSE)	200	231	115				-	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	40	47.0	118				-	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	40	49.3	123				-	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	35.6	52.3	147				-	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	40	67.1	168 Q				-	40-150	30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	100	98.2	98				-	40-150	30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	500	448	90				-	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	500	446	89				-	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2413544-01	Analysis Date	: 03/26/24 14:56
Matrix Spike	: WG1899009-4	MS Analysis Date	: 03/26/24 15:09
Matrix Spike Dup	: WG1899009-5	MSD Analysis Date	: 03/26/24 15:22

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	7.36	79	89.5	104	75.3	86.0	104	4	40-150	30
Perfluoropentanoic Acid (PFPeA)	6.05	39.5	51.0	114	37.6	48.3	112	5	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	4.75	17.5	23.4	106	16.7	22.1	104	6	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	74.1	77.7	105	70.6	76.8	109	1	40-150	30
Perfluorohexanoic Acid (PFHxA)	5.71	19.8	28.2	114	18.8	26.1	108	8	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	ND	18.6	23.8	128	17.7	22.4	126	6	40-150	30
Perfluoroheptanoic Acid (PFHpA)	3.86	19.8	25.3	108	18.8	22.3	98	13	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	ND	18.1	21.1	117	17.2	19.7	115	7	40-150	30
Perfluorooctanoic Acid (PFOA)	5.80	19.8	26.7	106	18.8	25.6	105	4	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	75.1	79.4	106	71.5	79.7	111	0	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	18.8	24.8	132	17.9	18.4	103	30	40-150	30
Perfluorononanoic Acid (PFNA)	2.13	19.8	26.9	125	18.8	27.4	134	2	40-150	30
Perfluorooctanesulfonic Acid (PFOS)	3.79	18.3	24.5	113	17.5	21.6	102	13	40-150	30
Perfluorodecanoic Acid (PFDA)	ND	19.8	22.4	113	18.8	20.0	106	11	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfon	ND	75.9	102	134	72.3	85.4	118	18	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2413544-01	Analysis Date	: 03/26/24 14:56
Matrix Spike	: WG1899009-4	MS Analysis Date	: 03/26/24 15:09
Matrix Spike Dup	: WG1899009-5	MSD Analysis Date	: 03/26/24 15:22

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
ic Acid (8:2FTS)										
Perfluorononanesulfonic Acid (PFNS)	ND	19	17.3	91	18.1	16.6	92	4	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	19.8	21.2	107	18.8	19.6	104	8	40-150	30
Perfluoroundecanoic Acid (PFUnA)	ND	19.8	25.0	127	18.8	22.7	121	10	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	ND	19.1	16.2	85	18.2	16.8	92	4	40-150	30
Perfluorooctanesulfonamide (PFOSA)	ND	19.8	24.9	126	18.8	23.0	122	8	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	19.8	24.2	122	18.8	22.2	118	9	40-150	30
Perfluorododecanoic Acid (PFDoA)	ND	19.8	22.8	115	18.8	21.4	114	6	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	ND	19.8	22.8	115	18.8	20.9	111	9	40-150	30
Perfluorotetradecanoic Acid (PFTeDA)	ND	19.8	20.9	106	18.8	18.5	98	12	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	79	98.4	124	75.3	89.3	119	10	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	74.7	80.4	108	71.1	74.8	105	7	40-150	30
Perfluorododecanesulfonic Acid	ND	19.2	17.6	92	18.2	14.4	79	20	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2413544-01	Analysis Date	: 03/26/24 14:56
Matrix Spike	: WG1899009-4	MS Analysis Date	: 03/26/24 15:09
Matrix Spike Dup	: WG1899009-5	MSD Analysis Date	: 03/26/24 15:22

Parameter	Sample Conc. (ng/l)	Matrix Spike Sample Spike Added (ng/l)	Matrix Spike Sample Spike Conc. (ng/l)	Matrix Spike Sample %R	Matrix Spike Duplicate Spike Added (ng/l)	Matrix Spike Duplicate Spike Conc. (ng/l)	Matrix Spike Duplicate %R	RPD	Recovery Limits	RPD Limit
(PFDoS)										
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	73.9	58.2	79	70.4	57.9	82	1	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	74.7	46.9	63	71.1	53.5	75	13	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	19.8	21.8	110	18.8	22.2	118	2	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	19.8	19.8	100	18.8	21.3	113	7	40-150	30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	198	245	124	188	242	129	1	40-150	30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	198	214	108	188	204	108	5	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	39.5	44.7	113	37.6	43.9	117	2	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	39.5	50.1	127	37.6	49.2	131	2	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	35.2	45.7	130	33.5	41.5	124	10	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	39.5	67.7	171 Q	37.6	59.5	158 Q	13	40-150	30
3-Perfluoropropyl Propanoic Acid	ND	98.8	145	147	94.1	133	141	9	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2413544
Project Name	: TROY BELTING	Project Number	: 2011-31
Client Sample ID	: MW-6S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2413544-01	Analysis Date	: 03/26/24 14:56
Matrix Spike	: WG1899009-4	MS Analysis Date	: 03/26/24 15:09
Matrix Spike Dup	: WG1899009-5	MSD Analysis Date	: 03/26/24 15:22

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(3:3FTCA)										
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	494	445	90	470	399	85	11	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	494	639	129	470	608	129	5	40-150	30

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2413544	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: LCMS08		Calibration Date	: 03/26/24 12:40	
Lab File ID	: SCI08_240326_01		Init. Calib. Date(s)	: 03/20/24	03/20/24
Sample No	: WG1900900-2		Init. Calib. Times	: 18:29	20:11
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	0.884	0.800	110.4	70-130
Perfluoropentanoic Acid (PFPeA)	0.413	0.400	103.1	70-130
Perfluorobutanesulfonic Acid (PFBS)	0.227	0.177	128	70-130
Perfluorohexanoic Acid (PFHxA)	0.204	0.200	102.2	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	0.757	0.750	101	70-130
Perfluoropentanesulfonic Acid (PFPeS)	0.184	0.188	97.9	70-130
Perfluoroheptanoic Acid (PFHpA)	0.226	0.200	112.9	70-130
Perfluorohexanesulfonic Acid (PFHxS)	0.201	0.183	110	70-130
Perfluorooctanoic Acid (PFOA)	0.238	0.200	119.1	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.707	0.760	93.1	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	0.191	0.191	100.2	70-130
Perfluorononanoic Acid (PFNA)	0.174	0.200	86.8	70-130
Perfluorooctanesulfonic Acid (PFOS)	0.239	0.186	128.7	70-130
Perfluorodecanoic Acid (PFDA)	0.192	0.200	96	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.880	0.768	114.6	70-130
Perfluorononanesulfonic Acid (PFNS)	0.195	0.192	101.4	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.241	0.200	120.3	70-130
Perfluoroundecanoic Acid (PFUnA)	0.268	0.200	133.8*	70-130
Perfluorodecanesulfonic Acid (PFDS)	0.206	0.193	106.7	70-130
Perfluorooctanesulfonamide (PFOSA)	0.211	0.200	105.6	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.184	0.200	91.8	70-130
Perfluorododecanoic Acid (PFDoA)	0.206	0.200	103.2	70-130
Perfluorotridecanoic Acid (PFTrDA)	0.188	0.200	94.2	70-130
Perfluorotetradecanoic Acid (PFTeDA)	0.162	0.200	81.1	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	0.823	0.800	102.9	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	0.809	0.756	107	70-130
Perfluorododecanesulfonic Acid (PFDoS)	0.211	0.194	108.8	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	0.787	0.748	105.3	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	0.785	0.756	103.9	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	0.204	0.200	101.8	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	0.203	0.200	101.6	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	1.943	2.000	97.2	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	2.321	2.000	116.1	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	0.405	0.400	101.3	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	0.435	0.400	108.7	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	0.393	0.356	110.4	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	0.612	0.400	153.1*	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	1.023	1.000	102.3	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	5.473	5.000	109.5	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	7.864	5.000	157.3*	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	9.303	10.000	93	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	4.660	5.000	93.2	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.121	2.330	91	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544		
Project Name	: TROY BELTING	**Project Number**	: 2011-31		
Instrument ID	: LCMS08	**Calibration Date**	: 03/26/24 12:40		
Lab File ID	: SCI08_240326_01	**Init. Calib. Date(s)**	: 03/20/24	03/20/24	
Sample No	: WG1900900-2	**Init. Calib. Times**	: 18:29	20:11	
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	3.439	4.690	73.3	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.118	2.500	84.7	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	1.949	2.500	78	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.166	2.370	91.4	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.122	2.500	84.9	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	3.647	4.755	76.7	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.138	1.250	91.1	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.194	2.395	91.6	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.219	1.250	97.5	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	5.527	4.800	115.1	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	4.908	5.000	98.2	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.137	1.250	91	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.650	2.500	106	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.151	5.000	103	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.232	1.250	98.5	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.411	1.250	112.8	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	10.597	10.000	106	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.518	2.500	100.7	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.503	2.500	100.1	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	24.827	25.000	99.3	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	26.211	25.000	104.8	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	2.022	2.500	80.9	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	1.914	2.500	76.6	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.073	2.395	86.5	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	0.969	1.250	77.5	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	3.891	5.000	77.8	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.077	1.250	86.2	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	1.901	2.370	80.2	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2413544	
Project Name	: TROY BELTING		Project Number	: 2011-31	
Instrument ID	: LCMS08		Calibration Date	: 03/26/24 12:53	
Lab File ID	: SCI08_240326_01		Init. Calib. Date(s)	: 03/20/24	03/20/24
Sample No	: WG1900900-3		Init. Calib. Times	: 18:29	20:11
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	9.985	10.000	99.9	70-130
Perfluoropentanoic Acid (PFPeA)	5.439	5.000	108.8	70-130
Perfluorobutanesulfonic Acid (PFBS)	2.431	2.217	109.6	70-130
Perfluorohexanoic Acid (PFHxA)	2.631	2.500	105.3	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	9.986	9.375	106.5	70-130
Perfluoropentanesulfonic Acid (PFPeS)	2.669	2.353	113.4	70-130
Perfluoroheptanoic Acid (PFHpA)	2.628	2.500	105.1	70-130
Perfluorohexanesulfonic Acid (PFHxS)	2.427	2.285	106.2	70-130
Perfluorooctanoic Acid (PFOA)	2.634	2.500	105.4	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	9.788	9.500	103	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	2.522	2.382	105.8	70-130
Perfluorononanoic Acid (PFNA)	2.489	2.500	99.6	70-130
Perfluorooctanesulfonic Acid (PFOS)	2.478	2.320	106.8	70-130
Perfluorodecanoic Acid (PFDA)	2.549	2.500	102	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	10.835	9.600	112.9	70-130
Perfluorononanesulfonic Acid (PFNS)	2.543	2.405	105.7	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2.565	2.500	102.6	70-130
Perfluoroundecanoic Acid (PFUnA)	2.869	2.500	114.8	70-130
Perfluorodecanesulfonic Acid (PFDS)	2.774	2.413	115	70-130
Perfluorooctanesulfonamide (PFOSA)	2.657	2.500	106.3	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.590	2.500	103.6	70-130
Perfluorododecanoic Acid (PFDoA)	2.531	2.500	101.2	70-130
Perfluorotridecanoic Acid (PFTrDA)	2.520	2.500	100.8	70-130
Perfluorotetradecanoic Acid (PFTeDA)	2.178	2.500	87.1	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	11.265	10.000	112.7	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	9.506	9.450	100.6	70-130
Perfluorododecanesulfonic Acid (PFDoS)	2.860	2.425	117.9	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	9.211	9.350	98.5	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	9.234	9.450	97.7	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	2.695	2.500	107.8	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	2.670	2.500	106.8	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	24.133	25.000	96.5	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	25.712	25.000	102.9	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	5.544	5.000	110.9	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	5.758	5.000	115.2	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.431	4.450	122.1	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	7.627	5.000	152.5*	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	13.042	12.500	104.3	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	62.725	62.500	100.4	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	94.748	62.500	151.6*	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	10.971	10.000	109.7	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.539	5.000	110.8	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.608	2.330	111.9	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2413544		
Project Name	: TROY BELTING	**Project Number**	: 2011-31		
Instrument ID	: LCMS08	**Calibration Date**	: 03/26/24 12:53		
Lab File ID	: SCI08_240326_01	**Init. Calib. Date(s)**	: 03/20/24	03/20/24	
Sample No	: WG1900900-3	**Init. Calib. Times**	: 18:29	20:11	
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	4.276	4.690	91.2	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.629	2.500	105.2	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.522	2.500	100.9	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.540	2.370	107.2	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.465	2.500	98.6	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.559	4.755	95.9	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.346	1.250	107.7	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.369	2.395	98.9	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.399	1.250	111.9	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	6.122	4.800	127.5	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	5.340	5.000	106.8	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.418	1.250	113.4	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.868	2.500	114.7	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.012	5.000	100.2	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.463	1.250	117	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.606	1.250	128.5	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	12.362	10.000	123.6	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.909	2.500	116.3	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.831	2.500	113.2	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	29.783	25.000	119.1	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	27.728	25.000	110.9	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	1.899	2.500	76	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	1.890	2.500	75.6	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	2.158	2.395	90.1	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	0.934	1.250	74.7	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	3.728	5.000	74.6	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.015	1.250	81.2	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	1.803	2.370	76.1	70-130

* Value outside of QC limits.

Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2413544

S1= MW-6S **S2=** DUP031324

Analyte	S1	S2	RPD (%)
1,1-Dichloroethane	40	47	16%
Vinyl chloride	240	280	15%
cis-1,2-Dichloroethene	27	32	17%
Acetone	26	27	4%
2-Butanone	**2.8**	**2.9**	NC
Vinyl chloride	230	270	16%

* RPD is above the allowable maximum 20%.

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Semi-Volatiles (1,4-Dioxane)

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2413544

S1= MW-6S **S2=** DUP031324

Analyte	S1	S2	RPD (%)
1,4-Dioxane	27000	27300	1%

* RPD is above the allowable maximum 20%.

Results are in units of ng/L.

Bold numbers were values that are below the CRQL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

EPA Method 1633 PFC

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. L2413544

S1= MW-6S **S2=** DUP031324

Analyte	S1	S2	RPD (%)
Perfluorobutanoic Acid (PFBA)	7.36	6.87	7%
Perfluoropentanoic Acid (PFPeA)	6.05	6.74	11%
Perfluorobutanesulfonic Acid (PFBS)	4.75	5.63	17%
Perfluorohexanoic Acid (PFHxA)	5.71	6.28	10%
Perfluoroheptanoic Acid (PFHpA)	3.86	4.23	9%
Perfluorooctanoic Acid (PFOA)	5.8	6.19	7%
Perfluorononanoic Acid (PFNA)	2.13	2.41	12%
Perfluorooctanesulfonic Acid (PFOS)	3.79	4.02	6%

* RPD is above the allowable maximum 20%.

Results are in units of ng/L.

Bold numbers were values that below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

ALPHA
GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

June 26, 2024

Mr. Brian Chew, EIT
Environmental Engineer
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, New York 12110

Re: Data Validation Report
Troy Belting (2011-31 task 911)
June 2024 Ground Water Sampling Events

Dear Mr. Chew:

The data usability summary report (DUSR) and QA/QC review are attached to this letter for the Troy Belting sampling events. The data for Alpha Analytical, SDG number: L2432682 are acceptable with some minor issues identified and discussed in the DUSRs and validation summaries. There are no data that are qualified as rejected, unusable (R) in the data pack.

A list of common data validation acronyms is attached to this letter to assist you in interpreting the validation summaries. If you have any questions concerning the work performed, please contact me at (518) 348-6995. Thank you for the opportunity to assist Sterling Environmental Engineering, P.C.

Sincerely,
Alpha Geoscience

Donald Anné
Senior Chemist

DCA:dca
attachments

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Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

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Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2432682

5 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected June 11, 2024

Prepared by: Donald Anné
June 26, 2024

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile results for 5 ground water samples, 1 field duplicate, and trip bank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The positive volatile results for vinyl chloride were qualified as "estimated" (J) for all 6 ground water samples and the field duplicate because the %D for vinyl chloride was above the allowable maximum in the associated continuing calibration verification sample.

- The positive volatile result for 1,1-dichloroethane was qualified as "estimated, biased low" (J-) for sample MW-6D because 1 of 2 percent recoveries for 1,1-dichloroethane was below QC limits, but not below 30% in the aqueous MS/MSD.

- The "no detected" volatile result for bromomethane was qualified as "estimated" (UJ) for sample MW-6D because 2 of 2 percent recoveries for bromomethane were below QC limits, but not below 30% in the aqueous MS/MSD.

All data are considered usable with estimated (J, J-, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation review.

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Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-01	Date Collected	: 06/11/24 10:40
Client ID	: MW-8S	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 21:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A26	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	7.6	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-01	Date Collected	: 06/11/24 10:40
Client ID	: MW-8S	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 21:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A26	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	3.0	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2432682
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2432682-01	**Date Collected**	: 06/11/24 10:40
Client ID	: MW-8S	**Date Received**	: 06/11/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 06/15/24 21:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V08240615A26	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-02D	Date Collected	: 06/11/24 11:30
Client ID	: MW-6D'	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 19:38
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A22	Instrument ID	: VOA108
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	6.2	1.8	U
75-34-3	1,1-Dichloroethane	4.1	6.2	1.8	J
67-66-3	Chloroform	ND	6.2	1.8	U
56-23-5	Carbon tetrachloride	ND	1.2	0.34	U
78-87-5	1,2-Dichloropropane	ND	2.5	0.34	U
124-48-1	Dibromochloromethane	ND	1.2	0.37	U
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.2	U
127-18-4	Tetrachloroethene	ND	1.2	0.45	U
108-90-7	Chlorobenzene	ND	6.2	1.8	U
75-69-4	Trichlorofluoromethane	ND	6.2	1.8	U
107-06-2	1,2-Dichloroethane	ND	1.2	0.33	U
71-55-6	1,1,1-Trichloroethane	ND	6.2	1.8	U
75-27-4	Bromodichloromethane	ND	1.2	0.48	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.2	0.41	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.2	0.36	U
75-25-2	Bromoform	ND	5.0	1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.2	0.42	U
71-43-2	Benzene	ND	1.2	0.40	U
108-88-3	Toluene	ND	6.2	1.8	U
100-41-4	Ethylbenzene	ND	6.2	1.8	U
74-87-3	Chloromethane	ND	6.2	1.8	U
74-83-9	Bromomethane	ND	6.2	1.8	U
75-01-4	Vinyl chloride	200	2.5	0.18	J
75-00-3	Chloroethane	ND	6.2	1.8	U
75-35-4	1,1-Dichloroethene	ND	1.2	0.42	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-02D	Date Collected	: 06/11/24 11:30
Client ID	: MW-6D'	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 19:38
Sample Matrix	: WATER	Dilution Factor	: 2.5
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A22	Instrument ID	: VOA108
Sample Amount	: 4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	6.2	1.8	U
79-01-6	Trichloroethene	ND	1.2	0.44	U
95-50-1	1,2-Dichlorobenzene	ND	6.2	1.8	U
541-73-1	1,3-Dichlorobenzene	ND	6.2	1.8	U
106-46-7	1,4-Dichlorobenzene	ND	6.2	1.8	U
1634-04-4	Methyl tert butyl ether	ND	6.2	0.42	U
179601-23-1	p/m-Xylene	ND	6.2	1.8	U
95-47-6	o-Xylene	ND	6.2	1.8	U
156-59-2	cis-1,2-Dichloroethene	250	6.2	1.8	
100-42-5	Styrene	ND	6.2	1.8	U
75-71-8	Dichlorodifluoromethane	ND	12	2.5	U
67-64-1	Acetone	ND	12	3.6	U
75-15-0	Carbon disulfide	ND	12	2.5	U
78-93-3	2-Butanone	ND	12	4.8	U
108-10-1	4-Methyl-2-pentanone	ND	12	2.5	U
591-78-6	2-Hexanone	ND	12	2.5	U
74-97-5	Bromochloromethane	ND	6.2	1.8	U
106-93-4	1,2-Dibromoethane	ND	5.0	1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	6.2	1.8	U
98-82-8	Isopropylbenzene	ND	6.2	1.8	U
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	1.8	U
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	1.8	U
79-20-9	Methyl Acetate	ND	5.0	0.58	U
110-82-7	Cyclohexane	ND	25	0.68	U
123-91-1	1,4-Dioxane	ND	620	150	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2432682
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2432682-02D	**Date Collected**	: 06/11/24 11:30
Client ID	: MW-6D'	**Date Received**	: 06/11/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 06/15/24 19:38
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V08240615A22	**Instrument ID**	: VOA108
Sample Amount	: 4 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	6.2	1.8	U
108-87-2	Methyl cyclohexane	ND	25	0.99	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-03D	Date Collected	: 06/11/24 12:10
Client ID	: MW-6D	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 20:01
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A23	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
75-09-2	Methylene chloride	ND	5.0	1.4	U	
75-34-3	1,1-Dichloroethane	27	5.0	1.4		J-
67-66-3	Chloroform	ND	5.0	1.4	U	
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U	
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U	
124-48-1	Dibromochloromethane	ND	1.0	0.30	U	
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U	
127-18-4	Tetrachloroethene	ND	1.0	0.36	U	
108-90-7	Chlorobenzene	ND	5.0	1.4	U	
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U	
75-27-4	Bromodichloromethane	ND	1.0	0.38	U	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U	
75-25-2	Bromoform	ND	4.0	1.3	U	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U	
71-43-2	Benzene	ND	1.0	0.32	U	
108-88-3	Toluene	ND	5.0	1.4	U	
100-41-4	Ethylbenzene	ND	5.0	1.4	U	
74-87-3	Chloromethane	ND	5.0	1.4	U	
74-83-9	Bromomethane	ND	5.0	1.4	U	UJ
75-01-4	Vinyl chloride	380	2.0	0.14		J
75-00-3	Chloroethane	ND	5.0	1.4	U	
75-35-4	1,1-Dichloroethene	0.44	1.0	0.34	J	

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-03D	Date Collected	: 06/11/24 12:10
Client ID	: MW-6D	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 20:01
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A23	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	2.7	5.0	1.4	J
79-01-6	Trichloroethene	0.39	1.0	0.35	J
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	0.33	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	130	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	39	10	2.9	
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	6.2	10	3.9	J
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-03D	Date Collected	: 06/11/24 12:10
Client ID	: MW-6D	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 20:01
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A23	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-04D	Date Collected	: 06/11/24 13:00
Client ID	: MW-6S	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 20:23
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A24	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	5.0	1.4	U
75-34-3	1,1-Dichloroethane	25	5.0	1.4	
67-66-3	Chloroform	ND	5.0	1.4	U
56-23-5	Carbon tetrachloride	ND	1.0	0.27	U
78-87-5	1,2-Dichloropropane	ND	2.0	0.27	U
124-48-1	Dibromochloromethane	ND	1.0	0.30	U
79-00-5	1,1,2-Trichloroethane	ND	3.0	1.0	U
127-18-4	Tetrachloroethene	ND	1.0	0.36	U
108-90-7	Chlorobenzene	ND	5.0	1.4	U
75-69-4	Trichlorofluoromethane	ND	5.0	1.4	U
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	U
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.4	U
75-27-4	Bromodichloromethane	ND	1.0	0.38	U
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.33	U
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.29	U
75-25-2	Bromoform	ND	4.0	1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.33	U
71-43-2	Benzene	ND	1.0	0.32	U
108-88-3	Toluene	ND	5.0	1.4	U
100-41-4	Ethylbenzene	ND	5.0	1.4	U
74-87-3	Chloromethane	ND	5.0	1.4	U
74-83-9	Bromomethane	ND	5.0	1.4	U
75-01-4	Vinyl chloride	200	2.0	0.14	J
75-00-3	Chloroethane	ND	5.0	1.4	U
75-35-4	1,1-Dichloroethene	ND	1.0	0.34	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-04D	Date Collected	: 06/11/24 13:00
Client ID	: MW-6S	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 20:23
Sample Matrix	: WATER	Dilution Factor	: 2
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A24	Instrument ID	: VOA108
Sample Amount	: 5 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.4	U
79-01-6	Trichloroethene	ND	1.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.4	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.4	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.4	U
1634-04-4	Methyl tert butyl ether	ND	5.0	0.33	U
179601-23-1	p/m-Xylene	ND	5.0	1.4	U
95-47-6	o-Xylene	ND	5.0	1.4	U
156-59-2	cis-1,2-Dichloroethene	15	5.0	1.4	
100-42-5	Styrene	ND	5.0	1.4	U
75-71-8	Dichlorodifluoromethane	ND	10	2.0	U
67-64-1	Acetone	ND	10	2.9	U
75-15-0	Carbon disulfide	ND	10	2.0	U
78-93-3	2-Butanone	ND	10	3.9	U
108-10-1	4-Methyl-2-pentanone	ND	10	2.0	U
591-78-6	2-Hexanone	ND	10	2.0	U
74-97-5	Bromochloromethane	ND	5.0	1.4	U
106-93-4	1,2-Dibromoethane	ND	4.0	1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	U
98-82-8	Isopropylbenzene	ND	5.0	1.4	U
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.4	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.4	U
79-20-9	Methyl Acetate	ND	4.0	0.47	U
110-82-7	Cyclohexane	ND	20	0.54	U
123-91-1	1,4-Dioxane	ND	500	120	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2432682
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2432682-04D	**Date Collected**	: 06/11/24 13:00
Client ID	: MW-6S	**Date Received**	: 06/11/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 06/15/24 20:23
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V08240615A24	**Instrument ID**	: VOA108
Sample Amount	: 5 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	5.0	1.4	U
108-87-2	Methyl cyclohexane	ND	20	0.79	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-05D	Date Collected	: 06/11/24 14:05
Client ID	: MW-4S	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 20:46
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A25	Instrument ID	: VOA108
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	62	18.	U
75-34-3	1,1-Dichloroethane	43	62	18.	J
67-66-3	Chloroform	ND	62	18.	U
56-23-5	Carbon tetrachloride	ND	12	3.4	U
78-87-5	1,2-Dichloropropane	ND	25	3.4	U
124-48-1	Dibromochloromethane	ND	12	3.7	U
79-00-5	1,1,2-Trichloroethane	ND	38	12.	U
127-18-4	Tetrachloroethene	ND	12	4.5	U
108-90-7	Chlorobenzene	ND	62	18.	U
75-69-4	Trichlorofluoromethane	ND	62	18.	U
107-06-2	1,2-Dichloroethane	ND	12	3.3	U
71-55-6	1,1,1-Trichloroethane	ND	62	18.	U
75-27-4	Bromodichloromethane	ND	12	4.8	U
10061-02-6	trans-1,3-Dichloropropene	ND	12	4.1	U
10061-01-5	cis-1,3-Dichloropropene	ND	12	3.6	U
75-25-2	Bromoform	ND	50	16.	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	12	4.2	U
71-43-2	Benzene	ND	12	4.0	U
108-88-3	Toluene	ND	62	18.	U
100-41-4	Ethylbenzene	ND	62	18.	U
74-87-3	Chloromethane	ND	62	18.	U
74-83-9	Bromomethane	ND	62	18.	U
75-01-4	Vinyl chloride	1200	25	1.8	J
75-00-3	Chloroethane	ND	62	18.	U
75-35-4	1,1-Dichloroethene	7.3	12	4.2	J

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-05D	Date Collected	: 06/11/24 14:05
Client ID	: MW-4S	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 20:46
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A25	Instrument ID	: VOA108
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	62	18.	U
79-01-6	Trichloroethene	ND	12	4.4	U
95-50-1	1,2-Dichlorobenzene	ND	62	18.	U
541-73-1	1,3-Dichlorobenzene	ND	62	18.	U
106-46-7	1,4-Dichlorobenzene	ND	62	18.	U
1634-04-4	Methyl tert butyl ether	ND	62	4.2	U
179601-23-1	p/m-Xylene	ND	62	18.	U
95-47-6	o-Xylene	ND	62	18.	U
156-59-2	cis-1,2-Dichloroethene	3600	62	18.	
100-42-5	Styrene	ND	62	18.	U
75-71-8	Dichlorodifluoromethane	ND	120	25.	U
67-64-1	Acetone	ND	120	36.	U
75-15-0	Carbon disulfide	ND	120	25.	U
78-93-3	2-Butanone	ND	120	48.	U
108-10-1	4-Methyl-2-pentanone	ND	120	25.	U
591-78-6	2-Hexanone	ND	120	25.	U
74-97-5	Bromochloromethane	ND	62	18.	U
106-93-4	1,2-Dibromoethane	ND	50	16.	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	62	18.	U
98-82-8	Isopropylbenzene	ND	62	18.	U
87-61-6	1,2,3-Trichlorobenzene	ND	62	18.	U
120-82-1	1,2,4-Trichlorobenzene	ND	62	18.	U
79-20-9	Methyl Acetate	ND	50	5.8	U
110-82-7	Cyclohexane	ND	250	6.8	U
123-91-1	1,4-Dioxane	ND	6200	1500	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-05D	Date Collected	: 06/11/24 14:05
Client ID	: MW-4S	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 20:46
Sample Matrix	: WATER	Dilution Factor	: 25
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A25	Instrument ID	: VOA108
Sample Amount	: 0.4 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	62	18.	U
108-87-2	Methyl cyclohexane	ND	250	9.9	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-06	Date Collected	: 06/11/24 00:00
Client ID	: DUP061124	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 18:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A20	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	0.24	0.50	0.18	J
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	8.4	1.0	0.07	J
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-06	Date Collected	: 06/11/24 00:00
Client ID	: DUP061124	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 18:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A20	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	3.4	2.5	0.70	
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-06	Date Collected	: 06/11/24 00:00
Client ID	: DUP061124	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 18:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A20	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-07	Date Collected	: 06/11/24 00:00
Client ID	: TB 061124	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 19:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A21	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Lab ID	: L2432682-07	Date Collected	: 06/11/24 00:00
Client ID	: TB 061124	Date Received	: 06/11/24
Sample Location	: COLONIE, NY	Date Analyzed	: 06/15/24 19:16
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MKS
Lab File ID	: V08240615A21	Instrument ID	: VOA108
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Sterling Environmental Engineering	**Lab Number**	: L2432682
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Lab ID	: L2432682-07	**Date Collected**	: 06/11/24 00:00
Client ID	: TB 061124	**Date Received**	: 06/11/24
Sample Location	: COLONIE, NY	**Date Analyzed**	: 06/15/24 19:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MKS
Lab File ID	: V08240615A21	**Instrument ID**	: VOA108
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260D Volatiles Data
for Alpha Analytical, SDG Number: L2432682

5 Ground Water Samples, 1 Field Duplicate,
and 1 Trip Blank
Collected June 11, 2024

Prepared by: Donald Anné
June 26, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRFs for bromodichloromethane and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 for VOA108 on 05-14-24. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for bromomethane, bromodichloromethane, and 1,1,2-trichloroethane were below the method minimums, but not below 0.010 on 06-15-24 (V08240615A03). The %Ds for chloromethane, vinyl chloride, bromoethane, 4-methyl-2-pentanone, and 2-hexanone were above the method maximum on 06-15-24 (V08240611A03). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane and 0.010 for all others), as required.

The %Ds for chloromethane, vinyl chloride, bromoethane, 4-methyl-2-pentanone, and 2-hexanone were above the allowable maximum (20%) on 06-15-24 (V08240611A03). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method and trip blanks reported target compounds as not detected.

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Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples and trip blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target compounds were below the allowable maximum, but 2 of 2 percent recoveries (%Rs) for bromomethane and 1 of 2 %Rs for 1,1-dichloroethane were below QC limits, but not below 30% for aqueous MS/MSD sample MW-6D. The positive result for1,1-dichloroethane should be considered estimated, biased low (J-) and the "not detected" result for bromomethane estimated (UJ) in sample MW-6D.

Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and the percent recoveries were within the QC limits for aqueous samples WG1935128-3/4.

Field Duplicates: The relative percent differences for applicable compounds were below the allowable maximum (20%) for aqueous field duplicate pair MW-8S/DUP-061124 (attached table), as required.

Compound ID: Checked compounds and surrogates were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2432682-03	Analysis Date	: 06/15/24 20:01
Matrix Spike	: WG1935128-6	MS Analysis Date	: 06/15/24 21:30
Matrix Spike Dup	: WG1935128-7	MSD Analysis Date	: 06/15/24 21:53

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	20	19	95	20	18	90	5	70-130	20
1,1-Dichloroethane	27	20	43	80	20	40	65 Q	7	70-130	20
Chloroform	ND	20	20	100	20	19	95	5	70-130	20
Carbon tetrachloride	ND	20	20	100	20	20	100	0	63-132	20
1,2-Dichloropropane	ND	20	17	85	20	17	85	0	70-130	20
Dibromochloromethane	ND	20	17	85	20	17	85	0	63-130	20
1,1,2-Trichloroethane	ND	20	18	90	20	18	90	0	70-130	20
Tetrachloroethene	ND	20	16	80	20	15	75	6	70-130	20
Chlorobenzene	ND	20	18	90	20	18	90	0	75-130	20
Trichlorofluoromethane	ND	20	18	90	20	17	85	6	62-150	20
1,2-Dichloroethane	ND	20	20	100	20	19	95	5	70-130	20
1,1,1-Trichloroethane	ND	20	21	105	20	20	100	5	67-130	20
Bromodichloromethane	ND	20	19	95	20	18	90	5	67-130	20
trans-1,3-Dichloropropene	ND	20	17	85	20	16	80	6	70-130	20
cis-1,3-Dichloropropene	ND	20	15	75	20	15	75	0	70-130	20
Bromoform	ND	20	15	75	20	16	80	6	54-136	20
1,1,2,2-Tetrachloroethane	ND	20	19	95	20	19	95	0	67-130	20
Benzene	ND	20	17	85	20	17	85	0	70-130	20
Toluene	ND	20	18	90	20	17	85	6	70-130	20
Ethylbenzene	ND	20	18	90	20	18	90	0	70-130	20
Chloromethane	ND	20	15	75	20	14	70	7	64-130	20
Bromomethane	ND	20	7.0	35 Q	20	6.8	34 Q	3	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2432682-03	Analysis Date	: 06/15/24 20:01
Matrix Spike	: WG1935128-6	MS Analysis Date	: 06/15/24 21:30
Matrix Spike Dup	: WG1935128-7	MSD Analysis Date	: 06/15/24 21:53

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	380	20	330	NA	20	290	NA	13	55-140	20
Chloroethane	ND	20	20	100	20	19	95	5	55-138	20
1,1-Dichloroethene	0.44J	20	18	90	20	17	85	6	61-145	20
trans-1,2-Dichloroethene	2.7J	20	20	100	20	20	100	0	70-130	20
Trichloroethene	0.39J	20	19	95	20	18	90	5	70-130	20
1,2-Dichlorobenzene	ND	20	17	85	20	17	85	0	70-130	20
1,3-Dichlorobenzene	ND	20	18	90	20	18	90	0	70-130	20
1,4-Dichlorobenzene	ND	20	18	90	20	17	85	6	70-130	20
Methyl tert butyl ether	ND	20	15	75	20	15	75	0	63-130	20
p/m-Xylene	ND	40	34	85	40	34	85	0	70-130	20
o-Xylene	ND	40	34	85	40	33	82	3	70-130	20
cis-1,2-Dichloroethene	130	20	130	NA	20	120	NA	8	70-130	20
Styrene	ND	40	35	88	40	34	85	3	70-130	20
Dichlorodifluoromethane	ND	20	19	95	20	17	85	11	36-147	20
Acetone	39	20	55	80	20	55	80	0	58-148	20
Carbon disulfide	ND	20	19	95	20	17	85	11	51-130	20
2-Butanone	6.2J	20	22	110	20	23	115	4	63-138	20
4-Methyl-2-pentanone	ND	20	14	70	20	14	70	0	59-130	20
2-Hexanone	ND	20	13	65	20	14	70	7	57-130	20
Bromochloromethane	ND	20	18	90	20	17	85	6	70-130	20
1,2-Dibromoethane	ND	20	17	85	20	17	85	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	20	15	75	20	16	80	6	41-144	20

NA - Sample concentrationis greater than 4X the spiking level; therefore, the %R is not applicable.

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Sterling Environmental Engineering	Lab Number	: L2432682
Project Name	: TROY BELTING	Project Number	: 2011-31 TASK 911
Client Sample ID	: MW-6D	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2432682-03	Analysis Date	: 06/15/24 20:01
Matrix Spike	: WG1935128-6	MS Analysis Date	: 06/15/24 21:30
Matrix Spike Dup	: WG1935128-7	MSD Analysis Date	: 06/15/24 21:53

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	20	18	90	20	18	90	0	70-130	20
1,2,3-Trichlorobenzene	ND	20	15	75	20	15	75	0	70-130	20
1,2,4-Trichlorobenzene	ND	20	15	75	20	15	75	0	70-130	20
Methyl Acetate	ND	20	17	85	20	17	85	0	70-130	20
Cyclohexane	ND	20	15J	75	20	14J	70	7	70-130	20
1,4-Dioxane	ND	1000	850	85	1000	890	89	5	56-162	20
Freon-113	ND	20	19	95	20	18	90	5	70-130	20
Methyl cyclohexane	ND	20	16J	80	20	15J	75	6	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2432682**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31 TASK 911**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL21127**
Calibration dates	**: 05/14/24 19:49 05/14/24 23:33**		

Calibration Files

L11 =V08240514N03.d L1 =V08240514N05.d L2 =V08240514N07.d L3 =V08240514N09.d L4 =V08240514N10.d

L6 =V08240514N11.d L8 =V08240514N12.d L10 =V08240514N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.200	0.257	0.230	0.228	0.223	0.226	0.252	0.231	8.19
3)	TP	Chloromethane		0.231	0.258	0.239	0.234	0.226	0.223	0.250	0.237	5.41
4)	TC	Vinyl chloride	0.256	0.225	0.274	0.257	0.253	0.243	0.244	0.271	0.253	6.31
5)	TP	Bromomethane		0.125	0.135	0.123	0.124	0.120	0.124	0.141	0.128	5.99
6)	TP	Chloroethane		0.143	0.158	0.145	0.142	0.133	0.129	0.142	0.142	6.37
7)	TP	Trichlorofluor		0.278	0.362	0.336	0.332	0.322	0.325	0.361	0.331	8.59
8)	TP	Ethyl ether		0.109	0.106	0.097	0.096	0.092	0.091	0.101	0.099	6.87
10)	TC	1,1-Dichloroet		0.145	0.182	0.166	0.163	0.157	0.161	0.181	0.165	8.00
11)	TP	Carbon disulfide		0.484	0.601	0.562	0.557	0.546	0.553	0.629	0.562	8.12
12)	TP	Freon-113		0.135	0.187	0.168	0.170	0.166	0.170	0.193	0.170	10.87
13)	TP	Iodomethane		0.193	0.239	0.251	0.267	0.270	0.274	0.302	0.257	13.40
14)	TP	Acrolein			0.031	0.027	0.028	0.026	0.027	0.030	0.028	7.35
15)	TP	Methylene chlo			0.217	0.197	0.192	0.184	0.184	0.207	0.197	6.65
17)	TP	Acetone			0.047	0.040	0.038	0.035	0.036	0.040	0.039	11.19
18)	TP	trans-1,2-Dich		0.167	0.206	0.188	0.186	0.178	0.180	0.203	0.187	7.37
19)	TP	Methyl acetate			0.116	0.104	0.103	0.098	0.100	0.114	0.106	6.81
20)	TP	Methyl tert butyl ether		0.527	0.523	0.495	0.497	0.472	0.475	0.534	0.503	5.02
21)	TP	tert-Butyl alc		0.014	0.015	0.014	0.014	0.013	0.013	0.015	0.014	5.09
22)	TP	Diisopropyl ether		0.717	0.719	0.686	0.681	0.660	0.667	0.757	0.698	4.92
23)	TP	1,1-Dichloroet		0.341	0.397	0.369	0.365	0.350	0.350	0.395	0.367	6.01
24)	TP	Halothane		0.122	0.155	0.143	0.144	0.139	0.141	0.158	0.143	8.16
25)	TP	Acrylonitrile		0.051	0.051	0.046	0.047	0.044	0.045	0.051	0.048	6.24
26)	TP	Ethyl tert-but		0.629	0.650	0.623	0.623	0.602	0.609	0.693	0.633	4.84
27)	TP	Vinyl acetate		0.517	0.436	0.340	0.450	0.414	0.439	0.459	0.436	12.17
28)	TP	cis-1,2-Dichlo		0.205	0.220	0.211	0.208	0.199	0.199	0.225	0.209	4.79
29)	TP	2,2-Dichloropr		0.286	0.337	0.300	0.317	0.302	0.306	0.341	0.313	6.48
30)	TP	Bromochloromet		0.098	0.106	0.103	0.101	0.097	0.096	0.107	0.101	4.20
31)	TP	Cyclohexane		0.305	0.356	0.320	0.319	0.312	0.321	0.367	0.329	7.08
32)	TC	Chloroform		0.350	0.378	0.356	0.350	0.334	0.334	0.376	0.354	5.05
33)	TP	Ethyl acetate		0.162	0.183	0.157	0.155	0.146	0.148	0.167	0.160	7.89
34)	TP	Carbon tetrachloride	0.275	0.248	0.309	0.294	0.290	0.281	0.285	0.323	0.288	7.81
35)	TP	Tetrahydrofuran		0.045	0.050	0.043	0.042	0.040	0.040	0.045	0.044	8.13
36)	S	Dibromofluoromethane	0.272	0.274	0.271	0.279	0.275	0.275	0.274	0.274	0.274	0.89
37)	TP	1,1,1-Trichlor		0.282	0.334	0.311	0.309	0.295	0.298	0.336	0.309	6.54
39)	TP	2-Butanone			0.070	0.071	0.068	0.064	0.064	0.072	0.068	5.32

Initial Calibration Summary
Form 6
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2432682
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911
Instrument ID	: VOA108	**Ical Ref**	: ICAL21127
Calibration dates	: 05/14/24 19:49 05/14/24 23:33		

Calibration Files
L11 =V08240514N03.d L1 =V08240514N05.d L2 =V08240514N07.d L3 =V08240514N09.d L4 =V08240514N10.d
L6 =V08240514N11.d L8 =V08240514N12.d L10 =V08240514N13.d

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40)	TP	1,1-Dichloropr		0.220	0.272	0.258	0.257	0.247	0.250	0.283	0.255	7.84
41)	TP	Benzene	0.806	0.743	0.806	0.764	0.767	0.738	0.741	0.837	0.775	4.77
42)	TP	Tertiary-Amyl Methyl Ether		0.558	0.562	0.535	0.532	0.509	0.514	0.582	0.542	4.95
43)	S	1,2-Dichloroethane-d4	0.295	0.302	0.300	0.306	0.308	0.310	0.312	0.323	0.307	2.73
44)	TP	1,2-Dichloroet		0.271	0.276	0.258	0.255	0.243	0.244	0.274	0.260	5.33
47)	TP	Methyl cyclohe		0.257	0.327	0.300	0.304	0.300	0.309	0.357	0.308	9.90
48)	TP	Trichloroethene	0.209	0.181	0.217	0.211	0.198	0.195	0.196	0.231	0.205	7.47
50)	TP	Dibromomethane		0.115	0.124	0.116	0.119	0.113	0.114	0.128	0.118	4.78
51)	TC	1,2-Dichloropr		0.192	0.217	0.207	0.206	0.197	0.198	0.224	0.206	5.63
53)	TP	2-Chloroethyl		0.104	0.115	0.108	0.110	0.106	0.106	0.120	0.110	5.22
54)	TP	Bromodichlorom		0.283	0.291	0.276	0.281	0.271	0.272	0.308	0.283#	4.55
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	5.74
58)	TP	cis-1,3-Dichlo		0.321	0.334	0.323	0.326	0.316	0.318	0.360	0.328	4.58
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.334	1.329	1.296	1.316	1.328	1.308	1.305	1.284	1.313	1.33
61)	TC	Toluene		0.645	0.680	0.647	0.649	0.630	0.629	0.695	0.654	3.82
62)	TP	4-Methyl-2-pen		0.060	0.074	0.071	0.074	0.071	0.073	0.080	0.072	8.54
63)	TP	Tetrachloroethene		0.246	0.285	0.273	0.271	0.262	0.265	0.292	0.271	5.58
65)	TP	trans-1,3-Dich		0.398	0.384	0.379	0.396	0.379	0.381	0.419	0.391	3.78
67)	TP	Ethyl methacry		0.281	0.279	0.274	0.278	0.268	0.268	0.298	0.278	3.70
68)	TP	1,1,2-Trichlor		0.188	0.183	0.173	0.175	0.169	0.169	0.187	0.178#	4.52
69)	TP	Chlorodibromom		0.265	0.274	0.274	0.283	0.275	0.275	0.302	0.278	4.14
70)	TP	1,3-Dichloropr		0.366	0.373	0.364	0.368	0.348	0.346	0.377	0.363	3.28
71)	TP	1,2-Dibromoethane		0.204	0.212	0.210	0.210	0.201	0.200	0.218	0.208	3.01
72)	TP	2-Hexanone		0.214	0.153	0.138	0.141	0.131	0.131	0.143	0.150	19.55
73)	TP	Chlorobenzene		0.705	0.751	0.726	0.730	0.703	0.698	0.768	0.726	3.61
74)	TC	Ethylbenzene		1.156	1.257	1.240	1.250	1.222	1.216	1.338	1.240	4.42
75)	TP	1,1,1,2-Tetrac		0.264	0.278	0.277	0.279	0.270	0.270	0.296	0.276	3.72
76)	TP	p/m Xylene		0.446	0.494	0.479	0.491	0.478	0.484	0.535	0.487	5.49
77)	TP	o Xylene		0.446	0.479	0.473	0.478	0.468	0.472	0.522	0.477	4.80
78)	TP	Styrene		0.746	0.796	0.794	0.808	0.795	0.800	0.873	0.802	4.65
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.323	0.307	0.322	0.341	0.336	0.340	0.362	0.333	5.26
82)	TP	Isopropylbenzene		2.259	2.482	2.469	2.516	2.472	2.496	2.658	2.479	4.72
83)	S	4-Bromofluorobenzene	0.963	0.968	0.948	0.957	0.958	0.951	0.951	0.920	0.952	1.53
84)	TP	Bromobenzene		0.642	0.623	0.614	0.629	0.605	0.609	0.649	0.625	2.66

Initial Calibration Summary
Form 6
Volatiles

Client	**: Sterling Environmental Engineering**	**Lab Number**	**: L2432682**
Project Name	**: TROY BELTING**	**Project Number**	**: 2011-31 TASK 911**
Instrument ID	**: VOA108**	**Ical Ref**	**: ICAL21127**
Calibration dates	**: 05/14/24 19:49 05/14/24 23:33**		

Calibration Files
L11 =V08240514N03.d L1 =V08240514N05.d L2 =V08240514N07.d L3 =V08240514N09.d L4 =V08240514N10.d
L6 =V08240514N11.d L8 =V08240514N12.d L10 =V08240514N13.d

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.708	2.926	2.897	2.965	2.932	2.949	3.126	2.929	4.20
86) TP	1,4-Dichlorobu		0.832	0.714	0.693	0.704	0.692	0.700	0.763	0.728	7.09
87) TP	1,1,2,2-Tetrac		0.548	0.480	0.473	0.510	0.485	0.493	0.514	0.500	5.18
88) TP	4-Ethyltoluene		2.258	2.370	2.395	2.454	2.400	2.401	2.560	2.405	3.76
89) TP	2-Chlorotoluene		1.709	1.738	1.722	1.756	1.719	1.726	1.823	1.742	2.24
90) TP	1,3,5-Trimethy		1.971	2.092	2.107	2.166	2.136	2.151	2.308	2.133	4.71
91) TP	1,2,3-Trichlor		0.428	0.423	0.408	0.413	0.403	0.410	0.444	0.418	3.37
92) TP	trans-1,4-Dich		0.159	0.149	0.149	0.155	0.153	0.155	0.164	0.155	3.49
93) TP	4-Chlorotoluene		1.792	1.789	1.795	1.816	1.773	1.779	1.924	1.810	2.88
94) TP	tert-Butylbenzene		1.696	1.853	1.808	1.840	1.795	1.805	1.933	1.818	3.92
97) TP	1,2,4-Trimethy		1.933	2.043	2.075	2.136	2.122	2.124	2.278	2.102	4.99
98) TP	sec-Butylbenzene		2.340	2.653	2.629	2.694	2.658	2.666	2.820	2.637	5.51
99) TP	p-Isopropyltol		2.101	2.283	2.300	2.361	2.345	2.342	2.507	2.320	5.21
100) TP	1,3-Dichlorobe		1.223	1.196	1.180	1.204	1.182	1.182	1.258	1.204	2.36
101) TP	1,4-Dichlorobe		1.242	1.208	1.187	1.211	1.187	1.184	1.270	1.213	2.68
102) TP	p-Diethylbenzene		1.220	1.311	1.335	1.392	1.389	1.398	1.517	1.366	6.71
103) TP	n-Butylbenzene		1.764	1.996	1.977	2.057	2.037	2.049	2.197	2.011	6.46
104) TP	1,2-Dichlorobe		1.161	1.136	1.114	1.136	1.111	1.106	1.178	1.134	2.37
105) TP	1,2,4,5-Tetram		2.025	2.134	2.184	2.272	2.244	2.266	2.446	2.224	5.90
106) TP	1,2-Dibromo-3-		0.051	0.079	0.079	0.082	0.079	0.080	0.084	0.076	14.80
107) TP	1,3,5-Trichlor		0.891	0.896	0.882	0.924	0.898	0.897	0.976	0.909	3.54
108) TP	Hexachlorobuta		0.350	0.406	0.390	0.399	0.387	0.389	0.422	0.392	5.68
109) TP	1,2,4-Trichlor		0.833	0.802	0.799	0.821	0.798	0.797	0.873	0.817	3.44
110) TP	Naphthalene		1.721	1.602	1.600	1.631	1.565	1.573	1.690	1.626	3.62
111) TP	1,2,3-Trichlor		0.730	0.733	0.728	0.739	0.723	0.716	0.781	0.736	2.88

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2432682	
Project Name	: TROY BELTING		Project Number	: 2011-31 TASK 911	
Instrument ID	: VOA108		Calibration Date	: 06/15/24 12:34	
Lab File ID	: V08240615A03		Init. Calib. Date(s)	: 05/14/24	05/14/24
Sample No	: WG1935128-2		Init. Calib. Times	: 19:49	23:33
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	62	0
Dichlorodifluoromethane	0.231	0.228	-	1.3	20	61	0
Chloromethane	0.237	0.187	-	21.1*	20	48	0
Vinyl chloride	0.253	0.202	-	20.2*	20	48	0
Bromomethane	0.128	0.081	-	36.7*	20	41	0
Chloroethane	0.142	0.143	-	-0.7	20	61	0
Trichlorofluoromethane	0.331	0.339	-	-2.4	20	62	0
Ethyl ether	0.099	0.088	-	11.1	20	56	0
1,1-Dichloroethene	0.165	0.161	-	2.4	20	60	0
Carbon disulfide	0.562	0.538	-	4.3	20	59	0
Freon-113	0.17	0.171	-	-0.6	20	63	0
Acrolein	0.028	0.018	-	35.7*	20	42	0
Methylene chloride	0.197	0.207	-	-5.1	20	65	0
Acetone	0.039	0.043	-	-10.3	20	67	0
trans-1,2-Dichloroethene	0.187	0.181	-	3.2	20	59	0
Methyl acetate	0.106	0.108	-	-1.9	20	64	0
Methyl tert-butyl ether	0.503	0.45	-	10.5	20	56	0
tert-Butyl alcohol	0.014	0.011	-	21.4*	20	50	0
Diisopropyl ether	0.698	0.68	-	2.6	20	61	0
1,1-Dichloroethane	0.367	0.374	-	-1.9	20	62	0
Halothane	0.143	0.137	-	4.2	20	59	0
Acrylonitrile	0.048	0.04	-	16.7	20	53	0
Ethyl tert-butyl ether	0.633	0.557	-	12	20	55	0
Vinyl acetate	0.436	0.459	-	-5.3	20	83	0
cis-1,2-Dichloroethene	0.209	0.212	-	-1.4	20	62	0
2,2-Dichloropropane	0.313	0.318	-	-1.6	20	65	0
Bromochloromethane	0.101	0.101	-	0	20	60	0
Cyclohexane	0.329	0.27	-	17.9	20	52	0
Chloroform	0.354	0.378	-	-6.8	20	65	0
Ethyl acetate	0.16	0.154	-	3.8	20	60	0
Carbon tetrachloride	0.288	0.317	-	-10.1	20	66	0
Tetrahydrofuran	0.044	0.042	-	4.5	20	60	0
Dibromofluoromethane	0.274	0.283	-	-3.3	20	62	0
1,1,1-Trichloroethane	0.309	0.338	-	-9.4	20	67	0
2-Butanone	0.068	0.066	-	2.9	20	57	0
1,1-Dichloropropene	0.255	0.257	-	-0.8	20	61	0
Benzene	0.775	0.735	-	5.2	20	59	0
tert-Amyl methyl ether	0.542	0.464	-	14.4	20	53	0
1,2-Dichloroethane-d4	0.307	0.324	-	-5.5	20	65	0
1,2-Dichloroethane	0.26	0.277	-	-6.5	20	66	0
Methyl cyclohexane	0.308	0.278	-	9.7	20	57	0
Trichloroethene	0.205	0.207	-	-1	20	61	0
Dibromomethane	0.118	0.127	-	-7.6	20	67	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering		Lab Number	: L2432682	
Project Name	: TROY BELTING		Project Number	: 2011-31 TASK 911	
Instrument ID	: VOA108		Calibration Date	: 06/15/24 12:34	
Lab File ID	: V08240615A03		Init. Calib. Date(s)	: 05/14/24	05/14/24
Sample No	: WG1935128-2		Init. Calib. Times	: 19:49	23:33
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.206	0.198	-	3.9	20	59	0
Bromodichloromethane	0.283	0.291*	-	-2.8	20	65	0
1,4-Dioxane	0.00117	0.0012*	-	-2.6	20	63	0
cis-1,3-Dichloropropene	0.328	0.313	-	4.6	20	60	0
Chlorobenzene-d5	1	1	-	0	20	60	0
Toluene-d8	1.313	1.334	-	-1.6	20	61	0
Toluene	0.654	0.649	-	0.8	20	60	0
4-Methyl-2-pentanone	0.072	0.057	-	20.8*	20	48	0
Tetrachloroethene	0.271	0.251	-	7.4	20	55	0
trans-1,3-Dichloropropene	0.391	0.382	-	2.3	20	61	0
Ethyl methacrylate	0.278	0.221	-	20.5*	20	48	0
1,1,2-Trichloroethane	0.178	0.177*	-	0.6	20	61	0
Chlorodibromomethane	0.278	0.279	-	-0.4	20	61	0
1,3-Dichloropropane	0.363	0.362	-	0.3	20	60	0
1,2-Dibromoethane	0.208	0.212	-	-1.9	20	61	0
2-Hexanone	0.15	0.116	-	22.7*	20	50	0
Chlorobenzene	0.726	0.759	-	-4.5	20	63	0
Ethylbenzene	1.24	1.287	-	-3.8	20	62	0
1,1,1,2-Tetrachloroethane	0.276	0.29	-	-5.1	20	63	0
p/m Xylene	0.487	0.487	-	0	20	61	0
o Xylene	0.477	0.471	-	1.3	20	60	0
Styrene	0.802	0.806	-	-0.5	20	61	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	60	0
Bromoform	0.333	0.321	-	3.6	20	59	0
Isopropylbenzene	2.479	2.58	-	-4.1	20	62	0
4-Bromofluorobenzene	0.952	0.925	-	2.8	20	58	0
Bromobenzene	0.625	0.617	-	1.3	20	60	0
n-Propylbenzene	2.929	3.108	-	-6.1	20	64	0
1,4-Dichlorobutane	0.728	0.639	-	12.2	20	55	0
1,1,2,2-Tetrachloroethane	0.5	0.521	-	-4.2	20	66	0
4-Ethyltoluene	2.405	2.516	-	-4.6	20	63	0
2-Chlorotoluene	1.742	1.923	-	-10.4	20	67	0
1,3,5-Trimethylbenzene	2.133	2.285	-	-7.1	20	65	0
1,2,3-Trichloropropane	0.418	0.427	-	-2.2	20	62	0
trans-1,4-Dichloro-2-buten	0.155	0.135	-	12.9	20	54	0
4-Chlorotoluene	1.81	1.985	-	-9.7	20	66	0
tert-Butylbenzene	1.818	1.935	-	-6.4	20	64	0
1,2,4-Trimethylbenzene	2.102	2.289	-	-8.9	20	66	0
sec-Butylbenzene	2.637	2.892	-	-9.7	20	66	0
p-Isopropyltoluene	2.32	2.474	-	-6.6	20	64	0
1,3-Dichlorobenzene	1.204	1.268	-	-5.3	20	64	0
1,4-Dichlorobenzene	1.213	1.284	-	-5.9	20	64	0
p-Diethylbenzene	1.366	1.426	-	-4.4	20	64	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Sterling Environmental Engineering	**Lab Number**	: L2432682		
Project Name	: TROY BELTING	**Project Number**	: 2011-31 TASK 911		
Instrument ID	: VOA108	**Calibration Date**	: 06/15/24 12:34		
Lab File ID	: V08240615A03	**Init. Calib. Date(s)**	: 05/14/24	05/14/24	
Sample No	: WG1935128-2	**Init. Calib. Times**	: 19:49	23:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	2.011	2.266	-	-12.7	20	68	0
1,2-Dichlorobenzene	1.134	1.201	-	-5.9	20	64	0
1,2,4,5-Tetramethylbenzene	2.224	2.267	-	-1.9	20	62	0
1,2-Dibromo-3-chloropropan	0.076	0.071	-	6.6	20	54	0
1,3,5-Trichlorobenzene	0.909	0.891	-	2	20	60	0
Hexachlorobutadiene	0.392	0.38	-	3.1	20	58	0
1,2,4-Trichlorobenzene	0.817	0.765	-	6.4	20	57	0
Naphthalene	1.626	1.535	-	5.6	20	57	0
1,2,3-Trichlorobenzene	0.736	0.7	-	4.9	20	57	0

* Value outside of QC limits.

Field Duplicate Calculation Section

Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2432682

S1= MW-8S **S2=** DUP061124

Analyte	S1	S2	RPD (%)
Tetrachloroethene	ND	**0.24**	NC
Vinyl chloride	7.6	8.4	10%
cis-1,2-Dichloroethene	3	3.4	13%

* RPD is above the allowable maximum 20%

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.