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822-05

Mr. Kevin Lin, P.E.
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CHEMICAL INVENTORY SURVEY
INDOOR AIR QUALITY INVESTIGATION
AND SUB-SLAB SOIL VAPOR SAMPLING
MAGELLAN AEROSPACE, MIDDLETOWN, INC.
24751 / 24777 CRENSHAW BOULEVARD
TORRANCE, CALIFORNIA

Dear Mr. Lin,

This report documents and presents the results of an Indoor Air Quality Investigation was conducted by FREY Environmental, Inc. (FREY) for the property located at 24751 / 24777 Crenshaw Boulevard in, Los Angeles, California (the Site – Figures 1 & 2).

Indoor air, outdoor air, and sub-slab soil vapor sampling was performed on behalf of Magellan Aerospace, Middletown, Inc. (Middletown) in response to California Regional Water Quality Control Board, Los Angeles Region (LARWQCB) Order No. R4-2020-0035 (the "0035 Order") issued May 12, 2020. The 0035 Order provides that parties named in the 0035 Order, identified as being associated with the "Skypark Commercial Properties, Site Cleanup Program No. 1499," are to prepare and submit a "technical work plan to completely assess the vapor intrusion risk to indoor air on-Site and off-Site and to implement the [Vapor Intrusion Response Plan] VIRP or a substantively similar plan that will assess the vapor intrusion threat to human health and the environment in the areas impacted above DTSC Human Health Risk Assessment (HRRA) Note No. 3 screening levels or USEPA Regional Screening Levels (RSLs)".

A work plan, dated August 25, 2020, was developed to conduct an indoor air quality (IAQ) investigation at the existing occupied approximately 102,500 square foot (sf) building and the approximately 28,000 sf unoccupied building on the property located at 24751 / 24777 Crenshaw Boulevard, Torrance, California, identified as "Property 1" in 0035 Order (see Figure 1).

On October 6, 2020, the LARWQCB provided a review of the August 25, 2020 technical work plan. A Revised Indoor Air Sampling Workplan, dated October 23, 2020, incorporating the requirements requested by the LARWQCB was then developed and implemented.

SITE ASSESSMENT ACTIVITIES

All activities related to this investigation were conducted under the supervision of a State of California Certified Engineering Geologist in accordance with accepted engineering practice and protocol.

CHEMICAL STORAGE INVENTORY SURVEY

On January 5, 2021, FREY conducted a chemical storage inventory survey at the Site. FREY personnel met with South Bay Lexus representatives who accompanied FREY during the survey. Prior to the Site visit, a chemical inventory list was provided to FREY by South Bay Lexus.

In general, chemicals were stored in two areas: the compressor room and an area in the east-central portion of the service area (shown on the map in Appendix A). The compressor room consisted of a 2,000-gallon aboveground storage tank (AST) of motor oil, a 2,000-gallon split AST of waste oil and automatic transmission fluid, six (6) 55-gallon drums of used paper oil filters, one (55-gallon) drum of used metal cartridge oil, four (4) 55-gallon drums of motor oil (SAE OW-20), and two (2) 20-gallon containers of lubricant. A 240-gallon transmission fluid AST, a 55-gallon drum of acetone stored in a flammable liquid storage cabinet, and a 55-gallon drum of brake shavings were located in the east-central portion of the service area. Small containers of motor oil and coolant in 1-gallon containers or less were stored in the parts area for retail. Several 55-gallon drums on rolling carts used to store filters were located throughout the service area. Overhead lines of compressed air, water, 5W-30 motor oil, and OW-20 motor oil ran from the compressor room to each service bay in the service station. The service area and all chemical storage areas were clean and well labeled. No evidence of heavy spills or staining was observed and little to no odors were present.

Per South Bay Lexus staff, the service area has no elevators, no HVAC system, no crawl spaces, and no basements. A total of five (5) roll-up bay doors and two (2) standard pedestrian doors were observed to open to the exterior. Four of the five roll-up doors appeared to be kept open during regular business hours. The pedestrian doors were kept closed and did not appear to be used often during regular business hours when the roll-up doors were open.

The chemical inventory list provided by South Bay Lexus with additional details added by FREY and a map showing the general location of chemical storage and the location of doors to the exterior of the building are attached in Appendix A.

SUB-SLAB VAPOR PIN SAMPLING

On January 10 and 11, 2021, twenty-seven (27) sub-slab vapor pins, SS1 through SS27, were installed at the locations shown on Figure 2, and soil vapor samples were collected from each vapor pin location in general accordance with the "Advisory – Active Soil Gas Investigations" as published by the California Environmental Protection Agency ("Cal EPA Advisory")(Cal EPA, 2015).

At each vapor pin location, SS1 through SS27, a hole was cored through the slab of the building and a Cox-Colvin Vapor Pin™ was installed.

Upon the completion of each sub-slab vapor pin installation, a laboratory certified 1-liter Summa™ Canister equipped with flow controllers was attached to each vapor pin and allowed to equilibrate. Prior to sampling, each sample location was monitored for oxygen concentrations, leak checked, and purged. For leak detection, a plastic shroud was placed over the vapor pin and sample collection equipment, and a cloth rag saturated with isopropyl alcohol (IPA) was placed in the shroud directly adjacent to the vapor pin and sampling equipment. A SKC PCXR4 sample pump was then used to purge the vapor pins of three purge volumes. At the conclusion of purging, the three-way valve was turned clockwise, and the Summa™ Canister opened resulting in the collection of a vapor sample.

Sub-slab vapor samples were collected at each vapor pin location in the individual Summa™ canisters. Duplicate soil vapor samples were also collected at sub-slab vapor pin locations SS17, SS20, and SS25.

Each Summa™ Canister was labeled with the pin number and time and date of sample collection. The sub-slab vapor samples were delivered to American Analytics, a state certified hazardous waste testing laboratory located in Chatsworth, California, following Chain-of-Custody procedures on January 11, 2021.

Upon the completion of vapor sample collection, the vapor pin was removed from each location, and the location was patched.

INDOOR AIR AND OUTDOOR AMBIENT AIR SAMPLING

On January 16, 2021, a certified laboratory supplied, 6-liter Summa™ Canister with 8-hour flow controller was placed at each of the twenty-seven (27) indoor locations, IA1 through IA27, and the four (4) outdoor locations, OA1 though OA4, as shown on Figure 2. The Summa™ Canister openings were placed at an approximate height of 4-5 feet above the floor or ground surface. On January 17, 2021, the flow controllers for Summa™ Canisters were opened between 5:52 am and 6:55 am and closed between 1:54 pm and 3:09 pm. The vacuum listed for Summa™ Canisters ranged from 3 inches of mercury (in. Hg) to 30 in. Hg when the flow controllers were closed.

Each Summa Canister was labeled with the sample location and time and date of sample collection and delivered to Eurofins/Calscience, a state certified hazardous waste testing laboratory located in Garden Grove, California following Chain-of-Custody procedures on January 18, 2021.

LABORATORY ANALYSIS

Sub-slab soil vapor pin samples SS1 through SS27 and duplicate sub-slab soil vapor pin samples SS17 DUP, SS20 DUP, and SS25 DUP were analyzed for volatile organic compounds (VOCs) in accordance with EPA Method TO-15 by American Analytics.

Air samples IA1 through IA27 and OA1 through OA4 were analyzed for VOCs in accordance with EPA Method TO-15-SIM by Eurofins/Calscience.

The laboratory reports and laboratory quality assurance / quality control reports are included in Appendix B.

LABORATORY ANALYTICAL RESULTS

SUB-SLAB SOIL VAPOR RESULTS

A total of thirty (30) sub-slab soil vapor samples were collected from twenty-seven (27) individual indoor locations and analyzed for VOCs as part of this investigation. Up to thirty-one (31) VOCs were detected above the laboratory detection limit in the one or more the samples. The following table lists the detected compound, number of samples with detections and the maximum concentrations detected in micrograms per meter cubed (ug/m^3).

VOC	Number of Detections	Max. Conc. (ug/m^3)	Collection Area of Soil Vapor Sample with Max Conc.
Acetone	20	790	Show Room
Benzene	19	95	Service Area
Bromodichloromethane	7	51	Unoccupied Building
Chloroform	18	300	Unoccupied Building
Cyclohexane	11	40	Service Area
1,1-DCA	14	6,800	Service Area
Cis 1,2-DCE	14	140	Unoccupied Building
1,1-DCE	30	680,000	Service Area
Ethylbenzene	7	220	Show Room
Isopropanol	15	500	Show Room
PCE	30	260,000	Service Area
Toluene	4	47	Unoccupied Building
1,1,1-TCA	23	6,700	Unoccupied Building
TCE	30	38,000	Unoccupied Building
Trichlorofluoromethane	26	1,400	Service Area
1,1,2-Trichloro-1,2,2-trifluoroethane	29	2,800	Service Area

VOC	Number of Detections	Max. Conc. (ug/m^3)	Collection Area of Soil Vapor Sample with Max Conc.
1,2,4-TMB	8	11	Service Area
Total xylenes	12	910	Show Room
Isobutane	21	56	Unoccupied Building
Carbon tetrachloride	2	38	Service Area
Dibromochloromethane	1	38	Service Area
Trans-1,2-DCE	1	21	Unoccupied Building
1,4-Dioxane	2	9.2	Unoccupied Building
4-Ehyltoluene	2	8.0	Show Room
Isopropylbenzene	1	14	Show Room
Methylene chloride	5	240	Service Area
n-Propylbenzene	1	5.6	Unoccupied Building
Propylene	3	50	Unoccupied Building
1,1,2-TCA	1	96	Unoccupied Building
2,2,4-trimethylpentate	2	24	Service Area
Vinyl acetate	1	14	Show Room

The following VOCs were detected in one or more of the sub-slab soil vapor samples above their respective DTSC Human Health Risk Assessment (HHRA) Note 3 Screening Levels (SLs), US EPA Regional Screening Levels (RSLs), and/or the San Francisco (SF), RWQCB Environmental Screening Levels (ESLs): benzene, bromodichloromethane, chloroform, 1,1-dichloroethane (DCA), ethylbenzene, tetrachloroethylene (PCE), trichloroethylene (TCE), carbon tetrachloride, and methylene chloride.

A summary of the laboratory detected VOCs in the sub-slab soil vapor samples is presented in Table 1 along with respective, DTSC HHRA Note 3 SLs, US EAPA RSLs, and SF RWQCB ESLs. The laboratory analytical and quality control/assurance report is included in Appendix B.

AMBIENT AIR SAMPLE RESULTS

A total of twenty-seven (27) indoor and four (4) outdoor ambient air samples were collected from thirty-one (31) individual locations and analyzed for VOCs as part of this investigation. Up to twenty-four (24) VOCs were detected above the laboratory detection limit in the one or more the samples. The following table lists the detected compound, number of samples with detections and the maximum concentrations detected ug/m^3.

VOC	# of Detections Indoors / Outdoors	Max. Conc. Indoors / Outdoors (ug/m^3)	Collection Area of Indoor Air Sample with Max Conc.
1,1,2-Trichloro-1,2,2-trifluoroethane	27 / 4	3.6 / 0.50	Service Area
1,1-DCE	27 / 3	26 / 0.18	Service Area
1,2,4-TMB	27 / 3	3.6 / 0.45	Service Area
1,1-DCA	6 / 0	0.3 / ND	Service Area
1,3,5-Trimethylbenzene	26 / 1	1.2 / 0.13	Service Area
4-Ehyltoluene	23 / 0	1.1 / ND	Service Area
Benzene	27 / 4	1.7 / 0.82	Service Area
Carbon tetrachloride	26 / 4	3.2 / 0.45	Service Area
Chloroform	26 / 4	1.6 / 0.15	Service Area
Chloromethane	26 / 4	2.0 / 0.85	Show Room
Dichlorodifluoromethane	27 / 4	15 / 2.1	Service Area
Ethylbenzene	27 / 4	1.6 / 0.41	Service Area
Methylene chloride	27 / 4	21 / 0.55	Service Area
Total xylenes	27 / 4	13.0 / 1.85	Service Area
PCE	27 / 0	13 / ND	Service Area
Toluene	27 / 4	13 / 2.5	Service Area
TCE	16 / 0	1.1 / ND	Service Area
Trichlorofluoromethane	27 / 4	8.2 / 1.2	Service Area
Bromodichloromethane	1 / 0	0.01 / ND	Show Room
Dibromochloromethane	1 / 0	0.54 / ND	Show Room
Cis 1,2-DCE	1 / 0	0.74 / ND	Service Area
1,1,1-TCA	2 / 0	0.69 / ND	Unoccupied Building
1,1-Difluoroethane	1 / 0	0.69 / ND	Service Area
MTBE	2 / 0	0.73 / ND	Unoccupied Building

Note: ND = Not detected above laboratory detection limit.

The following VOCs were detected in one or more of the ambient air samples above their respective DTSC Human Health Risk Assessment (HHRA) Note 3 Screening Levels (SLs), US EPA Regional Screening Levels (RSLs), and/or the San Francisco (SF), RWQCB Environmental Screening Levels (ESLs): benzene, carbon tetrachloride, methylene chloride, and PCE.

A summary of the laboratory detected VOCs in the indoor and outdoor ambient air samples is presented in Table 2 along with respective, DTSC HHRA Note 3 SLs, US EAPA RSLs, and SF RWQCB ESLs. The laboratory analytical and quality control/assurance report is included in Appendix B.

Should you have any questions regarding this report please contact us at (949) 723-1645.

FREY Environmental, Inc.

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REFERENCES

Cal EPA (California Environmental Protection Agency Department of Toxic Substance Control (DTSC), 2015, Advisory, Active Soil Gas Investigations, dated July 2015.

Attachments:

Table 1	Sub-Slab Soil Vapor Sample Laboratory Results
Table 2	Indoor and Outdoor Ambient Air Sample Laboratory Results
Figure 1	Site Location Map
Figure 2	Site Sketch Showing Indoor Air Quality/Sub-Slab Soil Vapor Probe Locations
Appendix A	Chemical Inventory Information
Appendix B	Laboratory Reports

cc:
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TABLES

TABLE 1
SUB-SLAB SOIL VAPOR SAMPLE LABORATORY RESULTS

24751 / 24777 CRENSHAW BOULEVARD
TORRANCE, CALIFORNIA

Results in micrograms per cubic meter (ug/m³)

SAMPLE NUMBER	DATE SAMPLED	Acetone	Benzene	Bromo-dichloro-methane	Chloroform	Cyclo-hexane	1,1-DCA	cis-1,2-DCE	1,1-DCE	Ethyl-benzene	Iso-propanol	PCE	Toluene	1,1,1-TCA	TCE	Trichloro-fluoro-methane	1,1,2-Trichloro-1,2,2-trifluoro-ethane	1,2,4-Tri-methyl-benzene	Total Xylenes	Iso-butane	Additional Detected VOC Results (ug/m³)
Sample Locations within Show Room																					
SS1	01/10/2021	210	25	ND<12	36	12	80	19	150,000	ND<10	500	36,000	ND<10	35	660	450	1,300	ND<10	11	23	Propylene = 26
SS2	01/10/2021	ND<10	ND<2.5	ND<3.0	2.6	ND<2.5	ND<2.5	ND<2.5	5,800	ND<2.5	ND<10	2,300	ND<2.5	ND<3.0	65	21	62	3.5	ND<5.0	3.0	
SS3	01/10/2021	29	ND<2.5	ND<3.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	13,000	ND<2.5	10	2,900	ND<2.5	4.3	65	110	270	3.0	9.5	23	
SS4	01/10/2021	18	ND<2.5	ND<3.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	3,500	ND<2.5	ND<10	430	ND<2.5	7.7	23	130	560	3.3	2.6	48	1,4-Dioxane = 5.7
SS5	01/10/2021	27	ND<2.5	ND<3.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	82	ND<2.5	15	44	ND<2.5	10	9.9	38	110	4.2	ND<5.0	6.5	4-Ethyltoluene = 2.6 Methylene Chloride = 8.6
SS6	01/10/2021	38	ND<2.5	ND<3.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	2,800	16	82	550	4.3	4.8	100	64	190	ND<2.5	92	6.7	
SS7	01/10/2021	20	2.5	ND<3.0	ND<2.5	2.5	ND<2.5	ND<2.5	12,000	45	54	3,200	5.1	13	130	110	1,300	2.9	231	8.1	
SS8	01/10/2021	790	19	ND<6.0	16	11	22	7.5	72,000	220	ND<20	13,000	10	16	410	450	890	ND<5.0	910	26	4-Ethyltoluene = 8.0 Isopropylbeneze = 14 n-Propylbenzene = 5.6 Vinyl Acetate = 14
Sample Locations within Unoccupied Building																					
SS9	01/10/2021	ND<80	58	ND<24	250	20	480	140	190,000	ND<20	190	150,000	47	1,800	26,000	55	740	ND<20	ND<40	37	
SS10	01/10/2021	33	9.3	7.9	32	5.2	130	ND<5.0	29,000	7.1	47	21,000	ND<5.0	4,700	580	16	320	8.9	40	14	1,4-Dioxane = 9.2 Propylene = 22 1,1,2-Trichloroethane = 96
SS11	01/11/2021	ND<80	46	51	240	ND<20	120	26	160,000	ND<20	ND<80	210,000	ND<20	1,400	38,000	91	1,000	ND<20	ND<40	32	Carbon Tetrachloride = 32 Propylene = 44 Trans-1,2-DCE = 21
SS12	01/11/2021	99	67	50	300	ND<20	170	ND<20	70,000	ND<20	83	110,000	ND<20	6,700	32,000	52	910	ND<20	87	56	Methylene Chloride = 210 Propylene = 50
SS13	01/11/2021	ND<80	ND<20	ND<24	ND<20	ND<20	ND<20	ND<20	9,700	ND<20	ND<80	2,700	ND<20	85	1,900	ND<24	140	ND<20	ND<40	ND<20	
SS14	01/11/2021	220	ND<20	ND<24	ND<20	ND<20	ND<20	ND<20	25,000	ND<20	ND<80	27,000	ND<20	220	370	ND<24	240	ND<20	ND<40	ND<20	Methylene Chloride = 110
Sample Locations within Service Area																					
SS15	01/11/2021	ND<80	29	ND<24	63	ND<20	68	ND<20	140,000	ND<20	ND<80	77,000	ND<20	82	14,000	88	490	ND<20	ND<40	ND<20	
SS16	01/11/2021	120	95	51	220	40	370	75	680,000	ND<20	320	260,000	ND<20	200	25,000	1,000	2,800	ND<20	ND<40	38	Carbon Tetrachloride = 38
SS17	01/11/2021	190	26	ND<24	36	ND<20	1,600	82	85,000	ND<20	310	44,000	ND<20	170	970	630	1,100	ND<20	ND<40	ND<20	
SS17 DUP	01/11/2021	140	37	24	55	34	6,800	120	170,000	ND<20	ND<80	76,000	ND<20	310	1,400	1,400	2,300	ND<20	ND<40	20	
SS18	01/11/2021	ND<80	61	ND<24	34	27	350	23	350,000	ND<20	ND<80	34,000	ND<20	69	1,100	1,200	2,500	ND<20	ND<40	37	
SS19	01/11/2021	320	67	ND<24	91	22	370	38	310,000	ND<20	ND<80	100,000	ND<20	79	18,000	640	1,600	ND<20	81	30	
SS20	01/11/2021	240	51	41	61	31	46	27	66,000	ND<20	ND<80	52,000	ND<20	34	15,000	130	470	ND<20	ND<40	ND<20	2,2,4-trimethylpentane = 24 Vinyl Acetate = 140
SS20 DUP	01/11/2021	120	54	ND<12	68	35	52	30	60,000	ND<10	ND<40	44,000	ND<10	64	14,000	120	540	11	ND<40	20	2,2,4-trimethylpentane = 24
SS21	01/11/2021	160	91	ND<24	150	ND<20	ND<20	130	30,000	ND<20	210	38,000	ND<20	24	29,000	230	700	ND<20	ND<40	ND<20	Methylene Chloride = 240
SS22	01/11/2021	89	87	ND<24	89	ND<20	ND<20	48	37,000	32	280	23,000	ND<20	ND<24	19,000	170	580	ND<20	217	41	
SS23	01/11/2021	ND<80	22	ND<24	ND<20	ND<20	ND<20	ND<20	37,000	30	310	2,900	ND<20	38	1,100	750	1,800	ND<20	167	42	
SS24	01/11/2021	ND<80	ND<20	ND<24	ND<20	ND<20	ND<20	ND<20	520	ND<20	ND<80	1,200	ND<20	ND<24	490	ND<24	ND<32	ND<20	ND<40	ND<20	
SS25	01/11/2021	180	ND<20	ND<24	ND<20	ND<20	ND<20	ND<20	1,400	ND<20	ND<80	3,800	ND<20	ND<24	2,100	ND<24	97	ND<20	ND<40	ND<20	
SS25 DUP	01/11/2021	93	10	16	20	ND<5.0	ND<5.0	11	4,400	ND<5.0	68	11,000	ND<5.0	ND<6.0	5,700	22	180	8.7	ND<10	15	Dibromochloromethane = 6.5 Methylene Chloride = 25
SS26	01/11/2021	ND<80	ND<20	ND<24	ND<20	ND<20	ND<20	ND<20	5,200	ND<20	ND<80	9,400	ND<20	ND<24	4,800	92	360	ND<20	ND<40	31	Methylene Chloride = 49
SS27	01/11/2021	ND<80	ND<20	ND<24	ND<20	ND<20	ND<20	ND<20	480	65	260	210	ND<20	ND<24	42	170	530	ND<20	330	ND<20	
DTSC HHRA Note 3 SLs [2]		NL	14	11	NL	NL	257	1,167	10,333	NL	NL	67	43,333	146,667	267	176,667	NL	NL	NL	NL	
US EPA RSLs [3]		4,666,667	53	11	18	146,667	257	NL	29,333	163	29,333	157	733,333	733,333	100	NL	733,333	8,667	14,667	NL	
SF RWQCB ESLs [4]		4,500,000	14	11	18	NL	260	1,200	10,000	160	NL	67	44,000	150,000	100	NL	NL	NL	15,000	NL	See Note [5]

Notes:

[1] Soil vapor samples analyzed by EPA Method No. TO-15 for the full list of volatile organic compounds.

[2] DTSC Human Health Risk Assessment (HHRA) Note 3 recommended Screening Level (SL). Release date June 2016. Updated June 2020.
The screening level was calculated by dividing the ambient commercial/industrial air concentration presented in Table 3 of Note 3 by an attenuation factor of 0.03.
The value for TCE is from HERO Note 5.

[3] US EPA Regional Screening Level (RSL) Composite Worker Ambient Air Table, November 2020.
The screening level was calculated by dividing the ambient commercial/industrial air value by an attenuation factor of 0.03.

[4] San Francisco (SF) RWQCB Vapor Environmental Screening Levels (ESLs) for Subslab/Soil Gas - Commercial/Industrial Vapor Intrusion Human Health Screening Risk Levels (HHRLs), January 2019.

[5] The SF RWQCB ESLs for additional detcted VOCs are as follows: Carbon tetrachloride (69), Trans-1,2-DCE (12,000), 1,1,1-TCA (150,000) and Methylene chloride (410).
No limits are provided for the remaining detected VOCs.

ND Not detected above the indicated laboratory detection limit.

TABLE 2
INDOOR AND OUTDOOR AMBIENT AIR SAMPLE LABORATORY RESULTS
FOR SAMPLES COLLECTED ON JANUARY 17, 2021

24751 / 24777 CRENSHAW BOULEVARD
TORRANCE, CALIFORNIA

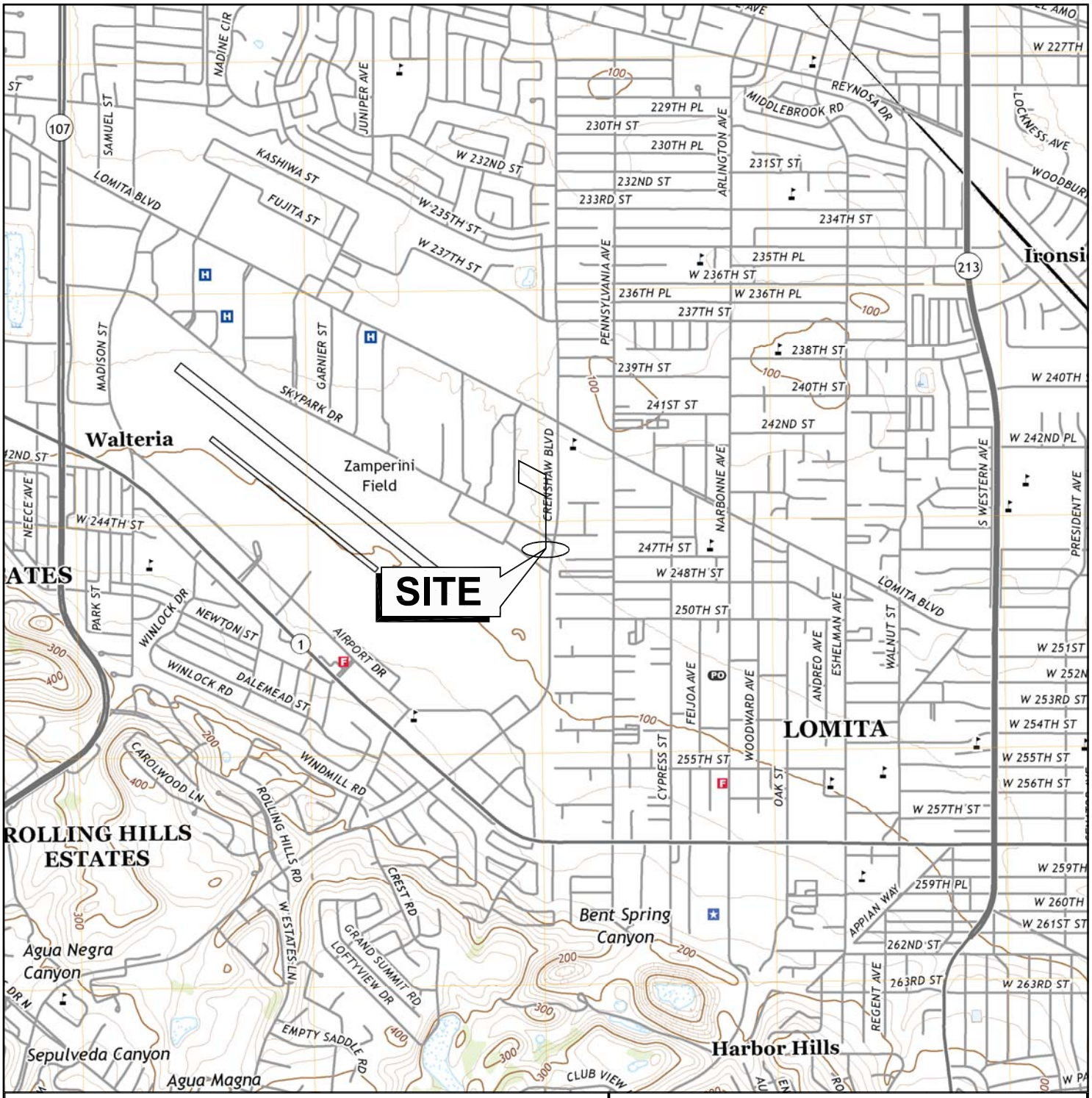
Results in micrograms per cubic meter (ug/m³)

SAMPLE NUMBER	1,1,2-Trichloro-1,2,2-trifluoro-ethane	1,1-DCE	1,2,4-Tri-methyl-benzene	1,1-DCA	1,3,5-Tri-methyl-benzene	4-Ehyl-toluene	Benzene	Carbon-tetra-chloride	Chloroform	Chloro-methane	Dichloro-difluoro-methane	Ethyl-benzene	Methylene Chloride	Total Xylenes	PCE	Toluene	TCE	Trichloro-fluoro-methane	Additional Detected VOC Results (ug/m³)
Indoor Sample Locations in Show Room																			
IA1	0.59	1.6	0.64	ND<0.10	0.19	ND<0.25	1.1	0.51	0.20	0.80	2.3	0.54	0.61	2.41	0.55	3.5	ND<0.13	1.4	
IA2	0.73	7.0	0.60	0.10	0.18	ND<0.25	1.0	0.51	0.53	2.0	2.3	0.56	0.67	2.74	1.3	3.6	ND<0.13	1.3	Bromodichloro-methane = 0.54 Dibromo-chloromethane = 0.74
IA3	0.68	3.8	0.80	ND<0.10	0.25	0.25	1.4	0.51	0.25	0.81	2.4	0.86	0.68	2.95	0.95	4.2	ND<0.13	1.4	
IA4	0.64	3.0	0.83	ND<0.10	0.25	0.27	1.1	0.50	0.28	0.82	2.3	0.67	0.66	2.98	0.86	4.3	ND<0.13	1.3	
IA5	0.65	3.5	0.93	0.10	0.28	0.32	1.2	0.50	0.38	0.73	2.3	0.76	0.74	3.48	1.1	4.7	ND<0.13	1.3	
IA6	0.78	4.3	1.1	0.11	0.34	0.36	1.3	0.53	0.37	ND<0.052	2.4	0.97	0.76	4.6	1.1	5.3	ND<0.13	1.4	
IA7	1.3	9.5	1.2	0.19	0.37	0.39	1.3	0.53	0.37	0.76	2.5	1.1	0.65	5.2	1.7	5.6	0.19	1.5	
IA8	0.82	8.7	0.95	0.11	0.27	0.30	1.1	0.52	0.31	0.94	2.4	0.86	0.60	4.0	1.7	4.5	ND<0.13	1.4	
Indoor Sample Locations in Unoccupied Building																			
IA9	0.57	2.4	0.91	ND<0.10	0.26	0.32	0.97	0.51	0.17	0.93	2.4	0.66	0.61	3.16	1.8	3.3	0.24	1.3	1,1,1-TCA = 0.27; MTBE = 0.45
IA10	0.59	3.1	1.3	ND<0.10	0.40	0.43	1.0	0.51	0.17	0.89	2.4	0.88	0.60	4.2	2.8	4.0	0.32	1.3	1,1,1-TCA = 0.69; MTBE = 0.73
IA11	0.49	1.9	0.83	ND<0.10	0.28	0.29	1.0	0.43	0.15	0.80	2.0	0.62	0.64	2.95	1.9	4.1	0.54	1.1	
IA12	0.50	2.1	1.1	ND<0.10	0.35	0.37	1.1	0.44	0.14	0.87	2.1	0.74	0.59	3.7	2.0	4.6	0.65	1.1	
IA13	0.49	1.4	1.3	ND<0.10	0.45	0.47	1.3	0.43	0.14	0.86	2.0	0.91	0.58	4.5	0.92	5.6	0.20	1.1	
IA14	0.49	1.4	1.4	ND<0.10	0.48	0.49	1.4	0.42	0.14	0.93	2.0	1.0	0.53	5.1	1.0	6.3	0.21	1.1	
Indoor Sample Locations in Service Area																			
IA15	0.55	3.6	0.97	ND<0.10	0.31	0.30	0.96	0.44	0.15	0.80	2.0	0.64	0.55	3.14	1.1	3.6	0.20	1.1	
IA16	1.1	26	3.6	0.30	1.2	1.1	1.7	0.45	0.19	0.81	2.0	2.3	0.60	13.0	13	13	1.1	1.3	1,1-Diflouroethane = 0.69
IA17	0.51	3.8	0.85	ND<0.10	0.24	0.28	0.83	0.44	0.15	0.82	2.0	0.51	0.83	2.53	1.8	3.1	0.34	1.1	cis-1,2-Dicholoethene = 0.01
IA18	3.6	1.8	2.5	ND<0.74	ND<0.90	ND<1.8	2.8	3.2	1.6	6.2	15	1.6	21	8.0	1.3	7.0	ND<0.98	8.2	
IA19	0.53	2.0	1.3	ND<0.10	0.43	0.36	0.91	0.44	0.16	0.93	2.1	0.76	0.57	4.1	0.75	3.8	0.18	1.2	
IA20	0.51	2.0	1.4	ND<0.10	0.43	0.39	1.1	0.44	0.16	0.81	2.1	0.82	0.67	4.0	0.79	4.8	0.23	1.1	
IA21	0.52	1.7	1.2	ND<0.10	0.34	0.34	0.96	0.45	0.17	0.87	2.1	0.69	0.56	3.4	0.64	3.7	0.20	1.2	
IA22	0.51	1.3	1.6	ND<0.10	0.50	0.45	0.97	0.43	0.17	0.84	2.1	0.88	0.70	4.6	0.70	4.1	0.23	1.2	
IA23	0.50	1.3	1.4	ND<0.10	0.40	0.43	0.94	0.44	0.16	0.83	2.1	0.78	0.64	4.0	0.64	3.8	0.20	1.1	
IA24	0.53	0.62	1.1	ND<0.17	0.31	ND<0.41	0.88	ND<0.53	ND<0.20	0.87	2.2	0.67	0.61	3.26	0.58	3.5	ND<0.22	1.2	
IA25	0.48	0.60	1.1	ND<0.10	0.32	0.32	0.84	0.42	0.16	0.84	2.0	0.65	0.53	3.26	0.42	3.2	ND<0.13	1.1	
IA26	0.50	0.84	1.0	ND<0.10	0.32	0.31	0.91	0.44	0.16	0.86	2.1	0.66	0.61	3.27	0.44	3.3	ND<0.13	1.1	
IA27	0.52	1.4	1.4	ND<0.10	0.44	0.41	1.1	0.44	0.17	0.79	2.1	0.86	0.60	4.4	0.71	4.3	0.26	1.2	
Outdoor Sample Locations																			
OA1	0.48	0.16	0.30	ND<0.10	ND<0.12	ND<0.25	0.75	0.43	0.15	0.75	2.0	0.30	0.52	1.29	ND<0.17	2.0	ND<0.13	1.1	
OA2	0.50	0.18	0.38	ND<0.10	ND<0.12	ND<0.25	0.74	0.45	0.15	0.85	2.1	0.33	0.55	1.40	ND<0.17	2.2	ND<0.13	1.2	
OA3	0.46	ND<0.099	ND<0.25	ND<0.10	ND<0.12	ND<0.25	0.67	0.40	0.12	0.80	2.0	0.25	0.50	1.03	ND<0.17	1.7	ND<0.13	1.1	
OA4	0.50	0.18	0.45	ND<0.10	0.13	ND<0.25	0.82	0.44	0.14	0.83	2.1	0.41	0.55	1.85	ND<0.17	2.5	ND<0.13	1.2	
DTSC HHRA Note 3 SLs [2]	NL	310	NL	7.7	NL	NL	0.42	2.0	NL	NL	NL	NL	12	NL	2	1,300	8	5,300	
US EPA RSLs [3]	22,000	880	260	7.7	260	NL	1.6	2.0	0.53	390	440	4.9	1,200	440	4.7	22,000	3.0	NL	
SF ESLs [4]	NL	310	NL	7.7	NL	NL	0.42	0.029	0.53	390	NL	4.9	1.2	440	2.0	1,300	3.0	NL	

Notes:

[1] Ambient air samples analyzed by EPA Method No. TO-15 SIM for the full list of volatile organic compounds.
[2] DTSC Human Health Risk Assessment (HHRA) Note 3 recommended Screening Levels (SLs), released June 2016 and updated June 2020. The value for TCE is from HERO Note 5.
[3] US EPA Regional Screening Level (RSL) Composite Worker Ambient Air Table, November 2020.
[4] San Francisco (SF) RWQCB Vapor Environmental Screening Levels (ESLs) for Indoor Air - Commercial/Industrial Direct Exposure Human Health Screening Risk Levels (HHRLs), January 2019.
[5] The SF RWQCB ESLs for additional detcted VOCs are as follows: Cis-1,2-DCE (35), 1,1,1-TCA (4,400), and MTBE (47). No limits are provided for the remaining detected VOCs.
ND Not detected above the indicated laboratory detection limit.
NL No screening value listed for the compound

FIGURES



NOTE:

1. Base map from USGS 7.5 minute Torrance (dated 2018) California topographic quadrangle

0 1/2 1

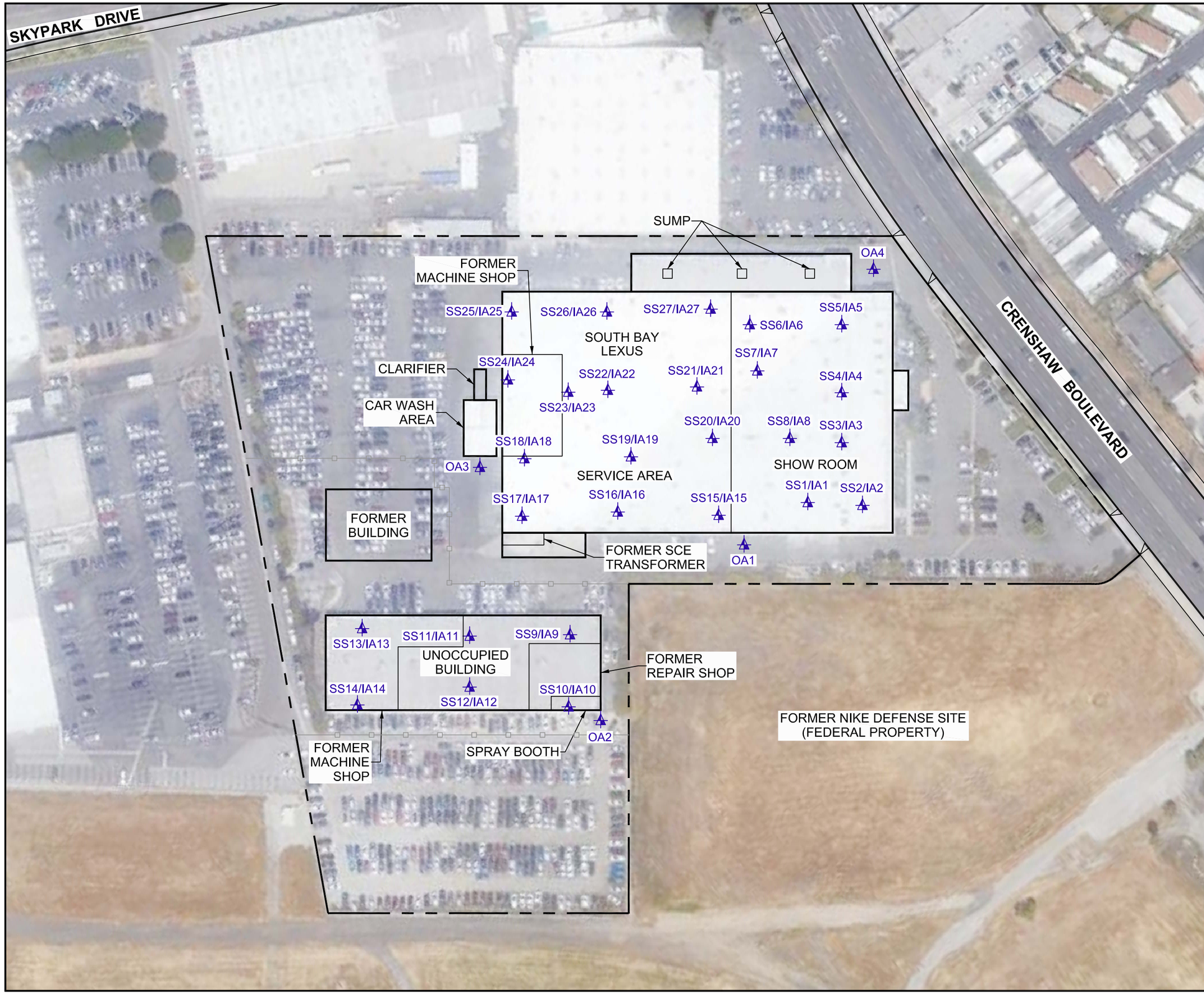
APPROXIMATE SCALE IN MILES

SITE LOCATION MAP

24751-24777 CRENSHAW BOULEVARD
TORRANCE, CALIFORNIA

FREY ENVIRONMENTAL, INC.

CLIENT:	PROJECT No.: 855-05	DATE: 02/2021
FILE NAME: 822-05-SL.DWG	**FIGURE 1**	



LEGEND

SS1/IA1 — INDOOR/SUB-SLAB VAPOR PROBE SAMPLE LOCATION

OA1 — OUTDOOR AIR QUALITY SAMPLE LOCATION

FORMER FENCELINE

NOTES:

1. All locations and dimensions are approximate.
2. Site Sketch from Google Earth Aerial Photo.

0 100 200

APPROXIMATE SCALE IN FEET

SITE SKETCH SHOWING INDOOR AIR QUALITY/SUB-SLAB VAPOR PROBE LOCATIONS

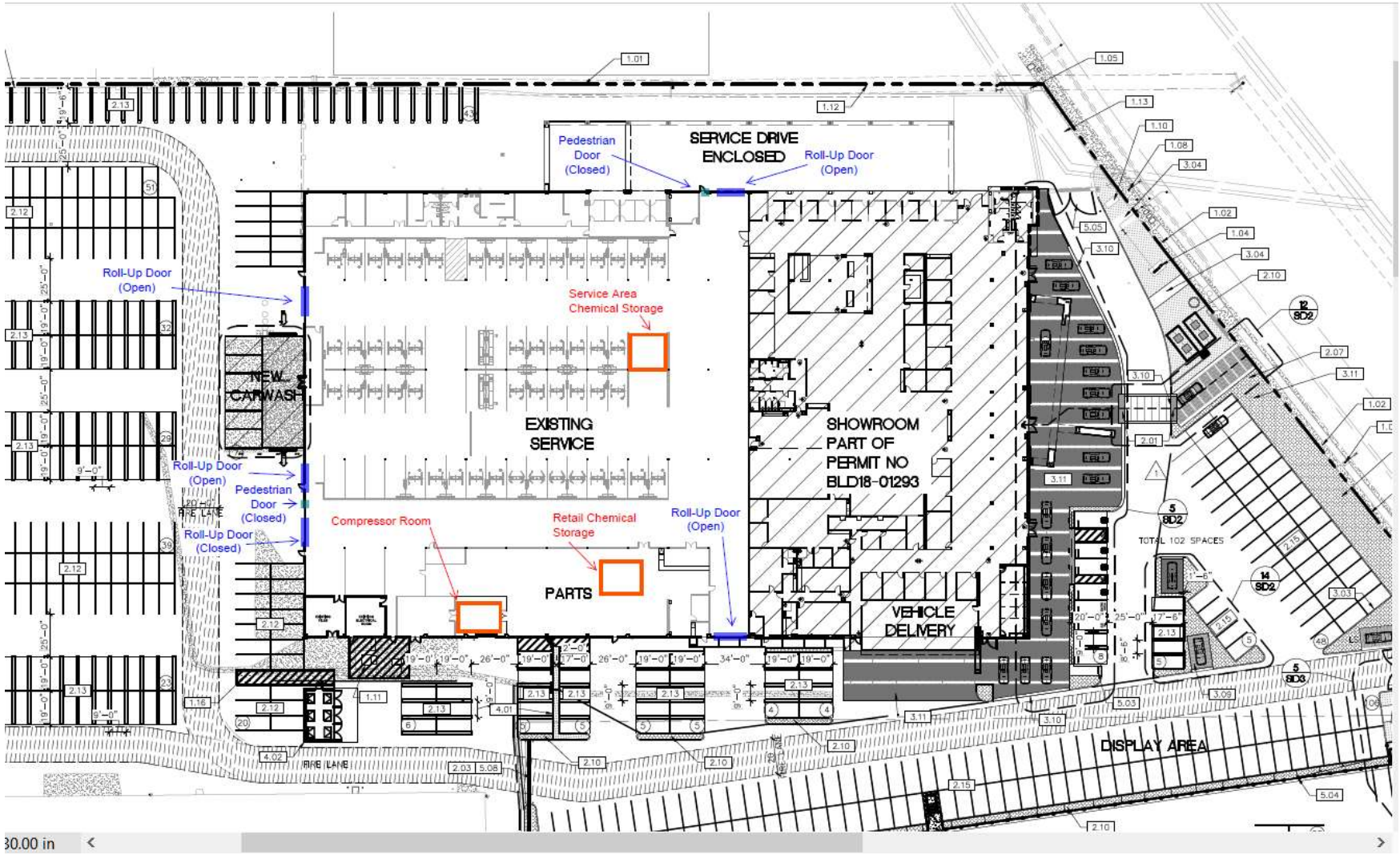
24751-24777 CRENSHAW BOULEVARD
TORRANCE, CALIFORNIA

FREY ENVIRONMENTAL, INC.

CLIENT:	PROJECT No.: 855-05	DATE: 02/2021
FILE NAME: 822-05-ST.DWG	**FIGURE 2**	

APPENDIX A

CHEMICAL INVENTORY INFORMATION



Chemical Storage Location Map
South Bay Lexus Dealer

South Bay Lexus - Chemical Inventory P.O. 822-05

ation Informat	Chemical Identification			Code Hazard Class Informa	
1a*	205	207*	209	210a	215
CERSID	ChemicalName	CommonName	CASNumber	PFCodeHazardClass	LargestContainer
10155697	Ethylene Glycol	Coolant			1
10155697	Petroleum Distillates	Motor Oil (above ground tank)		2	2000
10155697	Waste Ethylene Glycol	Waste Coolant			500
10155697	Waste Petroleum Distillates	Waste Oil & ATF		2	2000
10155697	Automatic Transmission Fluid	AUTOMATIC TRANSMISSION FLUID		4	240
10155697	Acetone	Acetone	67-64-1	10	55
	Used Paper Oil Filters	6 drums			
	used Metal cartridge oil	Filters 1 drum			
	Toyota 0W-20 Motor Oil	4 drums			
	SAE 0W-20				
	Lubricants 20 gal	(2 20 gal drum)			
	SHOP FLOOR CHEM STORAGE				
	· brake shavings				
	·				
	overhead lines				
	· air (2)				
	· water				
	· ~~SAE~~ motor oil (2 types) 5W-30 0W-20				

compressor room

retail w/ motor oil

shop (in central eastern chem. storage area)

?

Also in compressor room

APPENDIX B

LABORATORY REPORTS

SUB-SLAB SOIL VAPOR SAMPLE LABORATORY REPORT

9765 Eton Avenue
Chatsworth
California 91311
Tel: (818) 998-5547
Fax: (818) 998-7258

January 28, 2021

John Payne

Frey Environmental Inc

2817-A Lafayette Avenue

Newport Beach, CA 92663

Re : Middletown / 822-05

A535364 / 1A11011

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received on 01/11/21 14:22 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report or require additional information please call me at American Analytics.

Sincerely,

Allen Aminian

QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
TO-15 (ug/m3) SG					
SS1	1A11011-01	Vapor	5	01/10/21 09:40	01/11/21 14:22
SS2	1A11011-02	Vapor	5	01/10/21 10:00	01/11/21 14:22
SS3	1A11011-03	Vapor	5	01/10/21 10:20	01/11/21 14:22
SS4	1A11011-04	Vapor	5	01/10/21 10:51	01/11/21 14:22
SS5	1A11011-05	Vapor	5	01/10/21 11:23	01/11/21 14:22
SS6	1A11011-06	Vapor	5	01/10/21 11:42	01/11/21 14:22
SS7	1A11011-07	Vapor	5	01/10/21 12:00	01/11/21 14:22
SS8	1A11011-08	Vapor	5	01/10/21 12:17	01/11/21 14:22
SS9	1A11011-09	Vapor	5	01/10/21 16:36	01/11/21 14:22
SS10	1A11011-10	Vapor	5	01/10/21 16:33	01/11/21 14:22
SS20 DUP	1A11011-11	Vapor	5	01/11/21 13:05	01/11/21 14:22
SS25 DUP	1A11011-12	Vapor	5	01/11/21 13:25	01/11/21 14:22
SS17 DUP	1A11011-13	Vapor	5	01/11/21 13:39	01/11/21 14:22
SS11	1A11011-14	Vapor	5	01/11/21 11:20	01/11/21 14:22
SS12	1A11011-15	Vapor	5	01/11/21 11:39	01/11/21 14:22
SS13	1A11011-16	Vapor	5	01/11/21 12:08	01/11/21 14:22
SS14	1A11011-17	Vapor	5	01/11/21 12:21	01/11/21 14:22
SS15	1A11011-18	Vapor	5	01/11/21 10:54	01/11/21 14:22
SS16	1A11011-19	Vapor	5	01/11/21 06:42	01/11/21 14:22

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Sample ID	Laboratory ID	Matrix	TAT	Date Sampled	Date Received
SS17	1A11011-20	Vapor	5	01/11/21 06:58	01/11/21 14:22
SS18	1A11011-21	Vapor	5	01/11/21 07:55	01/11/21 14:22
SS20	1A11011-22	Vapor	5	01/11/21 09:27	01/11/21 14:22
SS21	1A11011-23	Vapor	5	01/11/21 08:38	01/11/21 14:22
SS23	1A11011-24	Vapor	5	01/11/21 07:36	01/11/21 14:22
SS24	1A11011-25	Vapor	5	01/11/21 09:00	01/11/21 14:22
SS25	1A11011-26	Vapor	5	01/11/21 09:12	01/11/21 14:22
SS26	1A11011-27	Vapor	5	01/11/21 10:30	01/11/21 14:22
SS27	1A11011-28	Vapor	5	01/11/21 07:15	01/11/21 14:22
SS19	1A11011-29	Vapor	5	01/10/21 17:10	01/11/21 14:22
SS22	1A11011-30	Vapor	5	01/10/21 17:25	01/11/21 14:22

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
VOCs by GCMS EPA TO-15 (ug/m3)								
Acetone	SS1	**210**	40	ug/m³	4	01/14/21	01/14/21	TO-15
Benzene	SS1	**25**	10	ug/m³	4	01/14/21	01/14/21	TO-15
Chloroform	SS1	**36**	10	ug/m³	4	01/14/21	01/14/21	TO-15
Cyclohexane	SS1	**12**	10	ug/m³	4	01/14/21	01/14/21	TO-15
1,1-Dichloroethane	SS1	**80**	10	ug/m³	4	01/14/21	01/14/21	TO-15
cis-1,2-Dichloroethylene	SS1	**19**	10	ug/m³	4	01/14/21	01/14/21	TO-15
1,1-Dichloroethylene	SS1	**150000**	5000	ug/m³	2000	01/14/21	01/14/21	TO-15
Isopropanol (IPA)	SS1	**500**	40	ug/m³	4	01/14/21	01/14/21	TO-15
Propylene	SS1	**26**	10	ug/m³	4	01/14/21	01/14/21	TO-15
Tetrachloroethylene (PCE)	SS1	**36000**	7000	ug/m³	2000	01/14/21	01/14/21	TO-15
1,1,1-Trichloroethane	SS1	**35**	12	ug/m³	4	01/14/21	01/14/21	TO-15
Trichloroethylene (TCE)	SS1	**660**	12	ug/m³	4	01/14/21	01/14/21	TO-15
Trichlorofluoromethane (R11)	SS1	**450**	12	ug/m³	4	01/14/21	01/14/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS1	**1300**	16	ug/m³	4	01/14/21	01/14/21	TO-15
o-Xylene	SS1	**11**	10	ug/m³	4	01/14/21	01/14/21	TO-15
Isobutane	SS1	**23**	10	ug/m³	4	01/14/21	01/14/21	TO-15
Chloroform	SS2	**2.6**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
1,1-Dichloroethylene	SS2	**5800**	150	ug/m³	60	01/14/21	01/14/21	TO-15
Tetrachloroethylene (PCE)	SS2	**2300**	210	ug/m³	60	01/14/21	01/14/21	TO-15
Trichloroethylene (TCE)	SS2	**65**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
Trichlorofluoromethane (R11)	SS2	**21**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS2	**62**	4.0	ug/m³	1	01/14/21	01/14/21	TO-15
1,2,4-Trimethylbenzene	SS2	**3.5**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Isobutane	SS2	**3.0**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Acetone	SS3	**29**	10	ug/m³	1	01/14/21	01/14/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
1,1-Dichloroethylene	SS3	**13000**	750	ug/m³	300	01/14/21	01/14/21	TO-15
Isopropanol (IPA)	SS3	**10**	10	ug/m³	1	01/14/21	01/14/21	TO-15
Tetrachloroethylene (PCE)	SS3	**2900**	1000	ug/m³	300	01/14/21	01/14/21	TO-15
1,1,1-Trichloroethane	SS3	**4.3**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
Trichloroethylene (TCE)	SS3	**65**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
Trichlorofluoromethane (R11)	SS3	**110**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS3	**270**	4.0	ug/m³	1	01/14/21	01/14/21	TO-15
1,2,4-Trimethylbenzene	SS3	**3.0**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
o-Xylene	SS3	**3.3**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
m,p-Xylenes	SS3	**6.2**	5.0	ug/m³	1	01/14/21	01/14/21	TO-15
Isobutane	SS3	**23**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Acetone	SS4	**18**	10	ug/m³	1	01/14/21	01/14/21	TO-15
1,1-Dichloroethylene	SS4	**3500**	190	ug/m³	75	01/14/21	01/14/21	TO-15
1,4-Dioxane	SS4	**5.7**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Tetrachloroethylene (PCE)	SS4	**430**	260	ug/m³	75	01/14/21	01/14/21	TO-15
1,1,1-Trichloroethane	SS4	**7.7**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
Trichloroethylene (TCE)	SS4	**23**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
Trichlorofluoromethane (R11)	SS4	**130**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS4	**560**	300	ug/m³	75	01/14/21	01/14/21	TO-15
1,2,4-Trimethylbenzene	SS4	**3.3**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
o-Xylene	SS4	**2.6**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Isobutane	SS4	**48**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Acetone	SS5	**27**	10	ug/m³	1	01/14/21	01/14/21	TO-15
1,1-Dichloroethylene	SS5	**82**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
4-Ethyltoluene	SS5	**2.6**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Isopropanol (IPA)	SS5	**15**	10	ug/m³	1	01/14/21	01/14/21	TO-15
Methylene Chloride	SS5	**8.6**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Tetrachloroethylene (PCE)	SS5	**44**	3.5	ug/m³	1	01/14/21	01/14/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
1,1,1-Trichloroethane	SS5	**10**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
Trichloroethylene (TCE)	SS5	**9.9**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
Trichlorofluoromethane (R11)	SS5	**38**	3.0	ug/m³	1	01/14/21	01/14/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS5	**110**	4.0	ug/m³	1	01/14/21	01/14/21	TO-15
1,2,4-Trimethylbenzene	SS5	**4.2**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Isobutane	SS5	**6.5**	2.5	ug/m³	1	01/14/21	01/14/21	TO-15
Acetone	SS6	**38**	10	ug/m³	1	01/14/21	01/15/21	TO-15
1,1-Dichloroethylene	SS6	**2800**	75	ug/m³	30	01/14/21	01/15/21	TO-15
Ethylbenzene	SS6	**16**	2.5	ug/m³	1	01/14/21	01/15/21	TO-15
Isopropanol (IPA)	SS6	**82**	10	ug/m³	1	01/14/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS6	**550**	100	ug/m³	30	01/14/21	01/15/21	TO-15
Toluene	SS6	**4.3**	2.5	ug/m³	1	01/14/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS6	**4.8**	3.0	ug/m³	1	01/14/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS6	**100**	3.0	ug/m³	1	01/14/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS6	**64**	3.0	ug/m³	1	01/14/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS6	**190**	4.0	ug/m³	1	01/14/21	01/15/21	TO-15
o-Xylene	SS6	**36**	2.5	ug/m³	1	01/14/21	01/15/21	TO-15
m,p-Xylenes	SS6	**56**	5.0	ug/m³	1	01/14/21	01/15/21	TO-15
Isobutane	SS6	**6.7**	2.5	ug/m³	1	01/14/21	01/15/21	TO-15
Acetone	SS7	**20**	10	ug/m³	1	01/14/21	01/15/21	TO-15
Benzene	SS7	**2.5**	2.5	ug/m³	1	01/14/21	01/15/21	TO-15
Cyclohexane	SS7	**2.5**	2.5	ug/m³	1	01/14/21	01/15/21	TO-15
1,1-Dichloroethylene	SS7	**12000**	500	ug/m³	200	01/14/21	01/15/21	TO-15
Ethylbenzene	SS7	**45**	2.5	ug/m³	1	01/14/21	01/15/21	TO-15
Isopropanol (IPA)	SS7	**54**	10	ug/m³	1	01/14/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS7	**3200**	700	ug/m³	200	01/14/21	01/15/21	TO-15
Toluene	SS7	**5.1**	2.5	ug/m³	1	01/14/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS7	**13**	3.0	ug/m³	1	01/14/21	01/15/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
Trichloroethylene (TCE)	SS7	**130**		3.0	ug/m³	1	01/14/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS7	**110**		3.0	ug/m³	1	01/14/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS7	**1300**		800	ug/m³	200	01/14/21	01/15/21	TO-15
1,2,4-Trimethylbenzene	SS7	**2.9**		2.5	ug/m³	1	01/14/21	01/15/21	TO-15
o-Xylene	SS7	**81**		2.5	ug/m³	1	01/14/21	01/15/21	TO-15
m,p-Xylenes	SS7	**150**		5.0	ug/m³	1	01/14/21	01/15/21	TO-15
Isobutane	SS7	**8.1**		2.5	ug/m³	1	01/14/21	01/15/21	TO-15
Acetone	SS8	**790**	**E**	20	ug/m³	2	01/14/21	01/15/21	TO-15
Benzene	SS8	**19**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Chloroform	SS8	**16**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Cyclohexane	SS8	**11**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1-Dichloroethane	SS8	**22**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS8	**7.5**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1-Dichloroethylene	SS8	**72000**		3000	ug/m³	1200	01/14/21	01/15/21	TO-15
Ethylbenzene	SS8	**220**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
4-Ethyltoluene	SS8	**8.0**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS8	**13000**		4200	ug/m³	1200	01/14/21	01/15/21	TO-15
Toluene	SS8	**10**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS8	**16**		6.0	ug/m³	2	01/14/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS8	**410**	**E**	6.0	ug/m³	2	01/14/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS8	**450**		6.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS8	**890**	**E**	8.0	ug/m³	2	01/14/21	01/15/21	TO-15
Vinyl acetate	SS8	**14**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
o-Xylene	SS8	**340**	**E**	5.0	ug/m³	2	01/14/21	01/15/21	TO-15
m,p-Xylenes	SS8	**570**	**E**	10	ug/m³	2	01/14/21	01/15/21	TO-15
Isobutane	SS8	**26**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Isopropylbenzene	SS8	**14**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
n-Propylbenzene	SS8	**5.6**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
Benzene	SS9	**58**		20	ug/m³	8	01/14/21	01/15/21	TO-15
Chloroform	SS9	**250**		20	ug/m³	8	01/14/21	01/15/21	TO-15
Cyclohexane	SS9	**20**		20	ug/m³	8	01/14/21	01/15/21	TO-15
1,1-Dichloroethane	SS9	**480**		20	ug/m³	8	01/14/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS9	**140**		20	ug/m³	8	01/14/21	01/15/21	TO-15
1,1-Dichloroethylene	SS9	**190000**		6000	ug/m³	2400	01/14/21	01/15/21	TO-15
Isopropanol (IPA)	SS9	**190**		80	ug/m³	8	01/14/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS9	**150000**		8400	ug/m³	2400	01/14/21	01/15/21	TO-15
Toluene	SS9	**47**		20	ug/m³	8	01/14/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS9	**1800**	**E**	24	ug/m³	8	01/14/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS9	**26000**		7200	ug/m³	2400	01/14/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS9	**55**		24	ug/m³	8	01/14/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS9	**740**		32	ug/m³	8	01/14/21	01/15/21	TO-15
Isobutane	SS9	**37**		20	ug/m³	8	01/14/21	01/15/21	TO-15
Acetone	SS10	**33**		20	ug/m³	2	01/14/21	01/15/21	TO-15
Benzene	SS10	**9.3**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Bromodichloromethane	SS10	**7.9**		6.0	ug/m³	2	01/14/21	01/15/21	TO-15
Chloroform	SS10	**32**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Cyclohexane	SS10	**5.2**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1-Dichloroethane	SS10	**130**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1-Dichloroethylene	SS10	**29000**		1500	ug/m³	600	01/14/21	01/15/21	TO-15
1,4-Dioxane	SS10	**9.2**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Ethylbenzene	SS10	**7.1**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Isopropanol (IPA)	SS10	**47**		20	ug/m³	2	01/14/21	01/15/21	TO-15
Propylene	SS10	**22**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS10	**21000**		2100	ug/m³	600	01/14/21	01/15/21	TO-15
1,1,2-Trichloroethane	SS10	**96**		6.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS10	**4700**		1800	ug/m³	600	01/14/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS10	**580**	**E**	6.0	ug/m³	2	01/14/21	01/15/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Trichlorofluoromethane (R11)	SS10	**16**	6.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS10	**320**	8.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,2,4-Trimethylbenzene	SS10	**8.9**	5.0	ug/m³	2	01/14/21	01/15/21	TO-15
o-Xylene	SS10	**13**	5.0	ug/m³	2	01/14/21	01/15/21	TO-15
m,p-Xylenes	SS10	**27**	10	ug/m³	2	01/14/21	01/15/21	TO-15
Isobutane	SS10	**14**	5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Acetone	SS20 DUP	**120**	40	ug/m³	4	01/14/21	01/15/21	TO-15
Benzene	SS20 DUP	**54**	10	ug/m³	4	01/14/21	01/15/21	TO-15
Chloroform	SS20 DUP	**68**	10	ug/m³	4	01/14/21	01/15/21	TO-15
Cyclohexane	SS20 DUP	**35**	10	ug/m³	4	01/14/21	01/15/21	TO-15
1,1-Dichloroethane	SS20 DUP	**52**	10	ug/m³	4	01/14/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS20 DUP	**30**	10	ug/m³	4	01/14/21	01/15/21	TO-15
1,1-Dichloroethylene	SS20 DUP	**60000**	1500	ug/m³	600	01/14/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS20 DUP	**44000**	2100	ug/m³	600	01/14/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS20 DUP	**64**	12	ug/m³	4	01/14/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS20 DUP	**14000**	1800	ug/m³	600	01/14/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS20 DUP	**120**	12	ug/m³	4	01/14/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS20 DUP	**540**	16	ug/m³	4	01/14/21	01/15/21	TO-15
1,2,4-Trimethylbenzene	SS20 DUP	**11**	10	ug/m³	4	01/14/21	01/15/21	TO-15
2,2,4-Trimethylpentane	SS20 DUP	**24**	10	ug/m³	4	01/14/21	01/15/21	TO-15
Isobutane	SS20 DUP	**20**	10	ug/m³	4	01/14/21	01/15/21	TO-15
Acetone	SS25 DUP	**93**	20	ug/m³	2	01/14/21	01/15/21	TO-15
Benzene	SS25 DUP	**10**	5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Bromodichloromethane	SS25 DUP	**16**	6.0	ug/m³	2	01/14/21	01/15/21	TO-15
Chloroform	SS25 DUP	**20**	5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Dibromochloromethane	SS25 DUP	**6.5**	5.0	ug/m³	2	01/14/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS25 DUP	**11**	5.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1-Dichloroethylene	SS25 DUP	**4400**	200	ug/m³	80	01/14/21	01/15/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
Isopropanol (IPA)	SS25 DUP	**68**		20	ug/m³	2	01/14/21	01/15/21	TO-15
Methylene Chloride	SS25 DUP	**25**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS25 DUP	**11000**		280	ug/m³	80	01/14/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS25 DUP	**5700**		240	ug/m³	80	01/14/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS25 DUP	**22**		6.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS25 DUP	**180**		8.0	ug/m³	2	01/14/21	01/15/21	TO-15
1,2,4-Trimethylbenzene	SS25 DUP	**8.7**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Isobutane	SS25 DUP	**15**		5.0	ug/m³	2	01/14/21	01/15/21	TO-15
Acetone	SS17 DUP	**140**		80	ug/m³	8	01/15/21	01/15/21	TO-15
Benzene	SS17 DUP	**37**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Bromodichloromethane	SS17 DUP	**24**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Chloroform	SS17 DUP	**55**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Cyclohexane	SS17 DUP	**34**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethane	SS17 DUP	**6800**		3800	ug/m³	1500	01/15/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS17 DUP	**120**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS17 DUP	**170000**	**E**	3800	ug/m³	1500	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS17 DUP	**76000**		5200	ug/m³	1500	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS17 DUP	**310**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS17 DUP	**1400**	**E**	24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS17 DUP	**1400**		24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS17 DUP	**2300**		32	ug/m³	8	01/15/21	01/15/21	TO-15
Isobutane	SS17 DUP	**20**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Benzene	SS11	**46**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Bromodichloromethane	SS11	**51**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Carbon Tetrachloride	SS11	**32**		28	ug/m³	8	01/15/21	01/15/21	TO-15
Chloroform	SS11	**240**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethane	SS11	**120**		20	ug/m³	8	01/15/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS11	**26**		20	ug/m³	8	01/15/21	01/15/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
1,1-Dichloroethylene	SS11	**160000**	**E**	3800	ug/m³	1500	01/15/21	01/15/21	TO-15
trans-1,2-Dichloroethylene	SS11	**21**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Propylene	SS11	**44**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS11	**210000**		5200	ug/m³	1500	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS11	**1400**	**E**	24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS11	**38000**		4500	ug/m³	1500	01/15/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS11	**91**		24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS11	**1000**		32	ug/m³	8	01/15/21	01/15/21	TO-15
Isobutane	SS11	**32**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Acetone	SS12	**99**		80	ug/m³	8	01/15/21	01/15/21	TO-15
Benzene	SS12	**67**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Bromodichloromethane	SS12	**50**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Chloroform	SS12	**300**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethane	SS12	**170**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS12	**70000**		3000	ug/m³	1200	01/15/21	01/15/21	TO-15
Isopropanol (IPA)	SS12	**83**		80	ug/m³	8	01/15/21	01/15/21	TO-15
Methylene Chloride	SS12	**210**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Propylene	SS12	**50**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS12	**110000**		4200	ug/m³	1200	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS12	**6700**		3600	ug/m³	1200	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS12	**32000**		3600	ug/m³	1200	01/15/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS12	**52**		24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS12	**910**		32	ug/m³	8	01/15/21	01/15/21	TO-15
o-Xylene	SS12	**24**		20	ug/m³	8	01/15/21	01/15/21	TO-15
m,p-Xylenes	SS12	**63**		40	ug/m³	8	01/15/21	01/15/21	TO-15
Isobutane	SS12	**56**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS13	**9700**		300	ug/m³	120	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS13	**2700**		420	ug/m³	120	01/15/21	01/15/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
1,1,1-Trichloroethane	SS13	**85**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS13	**1900**		360	ug/m³	120	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS13	**140**		32	ug/m³	8	01/15/21	01/15/21	TO-15
Acetone	SS14	**220**		80	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS14	**25000**		1200	ug/m³	480	01/15/21	01/15/21	TO-15
Methylene Chloride	SS14	**110**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS14	**27000**		1700	ug/m³	480	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS14	**220**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS14	**370**		24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS14	**240**		32	ug/m³	8	01/15/21	01/15/21	TO-15
Benzene	SS15	**29**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Chloroform	SS15	**63**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethane	SS15	**68**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS15	**140000**		3800	ug/m³	1500	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS15	**77000**		5200	ug/m³	1500	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS15	**82**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS15	**14000**		4500	ug/m³	1500	01/15/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS15	**88**		24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS15	**490**		32	ug/m³	8	01/15/21	01/15/21	TO-15
Acetone	SS16	**120**		80	ug/m³	8	01/15/21	01/15/21	TO-15
Benzene	SS16	**95**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Bromodichloromethane	SS16	**51**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Carbon Tetrachloride	SS16	**38**		28	ug/m³	8	01/15/21	01/15/21	TO-15
Chloroform	SS16	**220**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Cyclohexane	SS16	**40**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethane	SS16	**370**		20	ug/m³	8	01/15/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS16	**75**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS16	**680000**	**E**	15000	ug/m³	6000	01/15/21	01/15/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
Isopropanol (IPA)	SS16	**320**		80	ug/m³	8	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS16	**260000**		21000	ug/m³	6000	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS16	**200**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS16	**25000**		18000	ug/m³	6000	01/15/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS16	**1000**		24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS16	**2800**	**E**	32	ug/m³	8	01/15/21	01/15/21	TO-15
Isobutane	SS16	**38**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Acetone	SS17	**190**		80	ug/m³	8	01/15/21	01/15/21	TO-15
Benzene	SS17	**26**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Chloroform	SS17	**36**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethane	SS17	**1600**	**E**	20	ug/m³	8	01/15/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS17	**82**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS17	**85000**		3800	ug/m³	1500	01/15/21	01/15/21	TO-15
Isopropanol (IPA)	SS17	**310**		80	ug/m³	8	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS17	**44000**		5200	ug/m³	1500	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS17	**170**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS17	**970**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS17	**630**		24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS17	**1100**		32	ug/m³	8	01/15/21	01/15/21	TO-15
Benzene	SS18	**61**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Chloroform	SS18	**34**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Cyclohexane	SS18	**27**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethane	SS18	**350**		20	ug/m³	8	01/15/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS18	**23**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS18	**350000**		15000	ug/m³	6000	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS18	**34000**		21000	ug/m³	6000	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS18	**69**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS18	**1100**	**E**	24	ug/m³	8	01/15/21	01/15/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
Trichlorofluoromethane (R11)	SS18	**1200**	**E**	24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS18	**2500**	**E**	32	ug/m³	8	01/15/21	01/15/21	TO-15
Isobutane	SS18	**37**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Acetone	SS20	**240**		80	ug/m³	8	01/15/21	01/15/21	TO-15
Benzene	SS20	**51**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Bromodichloromethane	SS20	**41**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Chloroform	SS20	**61**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Cyclohexane	SS20	**31**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethane	SS20	**46**		20	ug/m³	8	01/15/21	01/15/21	TO-15
cis-1,2-Dichloroethylene	SS20	**27**		20	ug/m³	8	01/15/21	01/15/21	TO-15
1,1-Dichloroethylene	SS20	**66000**		1500	ug/m³	600	01/15/21	01/15/21	TO-15
Tetrachloroethylene (PCE)	SS20	**52000**		2100	ug/m³	600	01/15/21	01/15/21	TO-15
1,1,1-Trichloroethane	SS20	**34**		24	ug/m³	8	01/15/21	01/15/21	TO-15
Trichloroethylene (TCE)	SS20	**15000**		1800	ug/m³	600	01/15/21	01/15/21	TO-15
Trichlorofluoromethane (R11)	SS20	**130**		24	ug/m³	8	01/15/21	01/15/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS20	**470**		32	ug/m³	8	01/15/21	01/15/21	TO-15
2,2,4-Trimethylpentane	SS20	**24**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Vinyl acetate	SS20	**140**		20	ug/m³	8	01/15/21	01/15/21	TO-15
Acetone	SS21	**160**		80	ug/m³	8	01/15/21	01/16/21	TO-15
Benzene	SS21	**91**		20	ug/m³	8	01/15/21	01/16/21	TO-15
Chloroform	SS21	**150**		20	ug/m³	8	01/15/21	01/16/21	TO-15
cis-1,2-Dichloroethylene	SS21	**130**		20	ug/m³	8	01/15/21	01/16/21	TO-15
1,1-Dichloroethylene	SS21	**30000**		1500	ug/m³	600	01/15/21	01/16/21	TO-15
Isopropanol (IPA)	SS21	**210**		80	ug/m³	8	01/15/21	01/16/21	TO-15
Methylene Chloride	SS21	**240**		20	ug/m³	8	01/15/21	01/16/21	TO-15
Tetrachloroethylene (PCE)	SS21	**38000**		2100	ug/m³	600	01/15/21	01/16/21	TO-15
1,1,1-Trichloroethane	SS21	**24**		24	ug/m³	8	01/15/21	01/16/21	TO-15
Trichloroethylene (TCE)	SS21	**29000**		1800	ug/m³	600	01/15/21	01/16/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
Trichlorofluoromethane (R11)	SS21	**230**		24	ug/m³	8	01/15/21	01/16/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS21	**700**		32	ug/m³	8	01/15/21	01/16/21	TO-15
Benzene	SS23	**22**		20	ug/m³	8	01/18/21	01/18/21	TO-15
1,1-Dichloroethylene	SS23	**37000**		1500	ug/m³	600	01/18/21	01/18/21	TO-15
Ethylbenzene	SS23	**30**		20	ug/m³	8	01/18/21	01/18/21	TO-15
Isopropanol (IPA)	SS23	**310**		80	ug/m³	8	01/18/21	01/18/21	TO-15
Tetrachloroethylene (PCE)	SS23	**2900**		2100	ug/m³	600	01/18/21	01/18/21	TO-15
1,1,1-Trichloroethane	SS23	**38**		24	ug/m³	8	01/18/21	01/18/21	TO-15
Trichloroethylene (TCE)	SS23	**1100**	**E**	24	ug/m³	8	01/18/21	01/18/21	TO-15
Trichlorofluoromethane (R11)	SS23	**750**		24	ug/m³	8	01/18/21	01/18/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS23	**1800**	**E**	32	ug/m³	8	01/18/21	01/18/21	TO-15
o-Xylene	SS23	**57**		20	ug/m³	8	01/18/21	01/18/21	TO-15
m,p-Xylenes	SS23	**110**		40	ug/m³	8	01/18/21	01/18/21	TO-15
Isobutane	SS23	**42**		20	ug/m³	8	01/18/21	01/18/21	TO-15
1,1-Dichloroethylene	SS24	**520**		20	ug/m³	8	01/18/21	01/18/21	TO-15
Tetrachloroethylene (PCE)	SS24	**1200**		28	ug/m³	8	01/18/21	01/18/21	TO-15
Trichloroethylene (TCE)	SS24	**490**		24	ug/m³	8	01/18/21	01/18/21	TO-15
Acetone	SS25	**180**		80	ug/m³	8	01/18/21	01/18/21	TO-15
1,1-Dichloroethylene	SS25	**1400**		50	ug/m³	20	01/18/21	01/18/21	TO-15
Tetrachloroethylene (PCE)	SS25	**3800**	**E**	70	ug/m³	20	01/18/21	01/18/21	TO-15
Trichloroethylene (TCE)	SS25	**2100**		60	ug/m³	20	01/18/21	01/18/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS25	**97**		32	ug/m³	8	01/18/21	01/18/21	TO-15
1,1-Dichloroethylene	SS26	**5200**		400	ug/m³	160	01/18/21	01/18/21	TO-15
Methylene Chloride	SS26	**49**		20	ug/m³	8	01/18/21	01/18/21	TO-15
Tetrachloroethylene (PCE)	SS26	**9400**		560	ug/m³	160	01/18/21	01/18/21	TO-15
Trichloroethylene (TCE)	SS26	**4800**		480	ug/m³	160	01/18/21	01/18/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result		MRL	Units	Dilution	Prepared	Analyzed	Method
Trichlorofluoromethane (R11)	SS26	**92**		24	ug/m³	8	01/18/21	01/18/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS26	**360**		32	ug/m³	8	01/18/21	01/18/21	TO-15
Isobutane	SS26	**31**		20	ug/m³	8	01/18/21	01/18/21	TO-15
1,1-Dichloroethylene	SS27	**480**		20	ug/m³	8	01/18/21	01/18/21	TO-15
Ethylbenzene	SS27	**65**		20	ug/m³	8	01/18/21	01/18/21	TO-15
Isopropanol (IPA)	SS27	**260**		80	ug/m³	8	01/18/21	01/18/21	TO-15
Tetrachloroethylene (PCE)	SS27	**210**		28	ug/m³	8	01/18/21	01/18/21	TO-15
Trichloroethylene (TCE)	SS27	**42**		24	ug/m³	8	01/18/21	01/18/21	TO-15
Trichlorofluoromethane (R11)	SS27	**170**		24	ug/m³	8	01/18/21	01/18/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS27	**530**		32	ug/m³	8	01/18/21	01/18/21	TO-15
o-Xylene	SS27	**90**		20	ug/m³	8	01/18/21	01/18/21	TO-15
m,p-Xylenes	SS27	**240**		40	ug/m³	8	01/18/21	01/18/21	TO-15
Acetone	SS19	**320**		80	ug/m³	8	01/18/21	01/18/21	TO-15
Benzene	SS19	**67**		20	ug/m³	8	01/18/21	01/18/21	TO-15
Chloroform	SS19	**91**		20	ug/m³	8	01/18/21	01/18/21	TO-15
Cyclohexane	SS19	**22**		20	ug/m³	8	01/18/21	01/18/21	TO-15
1,1-Dichloroethane	SS19	**370**		20	ug/m³	8	01/18/21	01/18/21	TO-15
cis-1,2-Dichloroethylene	SS19	**38**		20	ug/m³	8	01/18/21	01/18/21	TO-15
1,1-Dichloroethylene	SS19	**310000**		6000	ug/m³	2400	01/18/21	01/18/21	TO-15
Tetrachloroethylene (PCE)	SS19	**100000**		8400	ug/m³	2400	01/18/21	01/18/21	TO-15
1,1,1-Trichloroethane	SS19	**79**		24	ug/m³	8	01/18/21	01/18/21	TO-15
Trichloroethylene (TCE)	SS19	**18000**		7200	ug/m³	2400	01/18/21	01/18/21	TO-15
Trichlorofluoromethane (R11)	SS19	**640**		24	ug/m³	8	01/18/21	01/18/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS19	**1600**	**E**	32	ug/m³	8	01/18/21	01/18/21	TO-15
o-Xylene	SS19	**35**		20	ug/m³	8	01/18/21	01/18/21	TO-15
m,p-Xylenes	SS19	**46**		40	ug/m³	8	01/18/21	01/18/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

ANALYTICAL DATA SUMMARY

Analyte	Sample Name	Result	MRL	Units	Dilution	Prepared	Analyzed	Method
Isobutane	SS19	**30**	20	ug/m³	8	01/18/21	01/18/21	TO-15
Acetone	SS22	**89**	80	ug/m³	8	01/18/21	01/19/21	TO-15
Benzene	SS22	**87**	20	ug/m³	8	01/18/21	01/19/21	TO-15
Chloroform	SS22	**89**	20	ug/m³	8	01/18/21	01/19/21	TO-15
cis-1,2-Dichloroethylene	SS22	**48**	20	ug/m³	8	01/18/21	01/19/21	TO-15
1,1-Dichloroethylene	SS22	**37000**	1200	ug/m³	480	01/18/21	01/19/21	TO-15
Ethylbenzene	SS22	**32**	20	ug/m³	8	01/18/21	01/19/21	TO-15
Isopropanol (IPA)	SS22	**280**	80	ug/m³	8	01/18/21	01/19/21	TO-15
Tetrachloroethylene (PCE)	SS22	**23000**	1700	ug/m³	480	01/18/21	01/19/21	TO-15
Trichloroethylene (TCE)	SS22	**19000**	1400	ug/m³	480	01/18/21	01/19/21	TO-15
Trichlorofluoromethane (R11)	SS22	**170**	24	ug/m³	8	01/18/21	01/19/21	TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	SS22	**580**	32	ug/m³	8	01/18/21	01/19/21	TO-15
o-Xylene	SS22	**77**	20	ug/m³	8	01/18/21	01/19/21	TO-15
m,p-Xylenes	SS22	**140**	40	ug/m³	8	01/18/21	01/19/21	TO-15
Isobutane	SS22	**41**	20	ug/m³	8	01/18/21	01/19/21	TO-15

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/10/21	01/10/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/14/21	01/14/21	01/14/21	01/14/21	
AA ID No:	1A11011-01	1A11011-02	1A11011-03	1A11011-04	
Client ID No:	SS1	SS2	SS3	SS4	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	4	1	1	1	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	**210**	<10	**29**	**18**	10
Allyl chloride	<10	<2.5	<2.5	<2.5	2.5
Benzene	**25**	<2.5	<2.5	<2.5	2.5
Benzyl chloride	<10	<2.5	<2.5	<2.5	2.5
Bromodichloromethane	<12	<3.0	<3.0	<3.0	3.0
Bromoform	<20	<5.0	<5.0	<5.0	5.0
Bromomethane	<10	<2.5	<2.5	<2.5	2.5
1,3-Butadiene	<10	<2.5	<2.5	<2.5	2.5
2-Butanone (MEK)	<40	<10	<10	<10	10
Carbon Disulfide	<10	<2.5	<2.5	<2.5	2.5
Carbon Tetrachloride	<14	<3.5	<3.5	<3.5	3.5
Chlorobenzene	<10	<2.5	<2.5	<2.5	2.5
Chloroethane	<10	<2.5	<2.5	<2.5	2.5
Chloroform	**36**	**2.6**	<2.5	<2.5	2.5
Chloromethane	<10	<2.5	<2.5	<2.5	2.5
Cyclohexane	**12**	<2.5	<2.5	<2.5	2.5
Dibromochloromethane	<10	<2.5	<2.5	<2.5	2.5
1,2-Dibromoethane (EDB)	<16	<4.0	<4.0	<4.0	4.0
1,2-Dichlorobenzene	<12	<3.0	<3.0	<3.0	3.0
1,3-Dichlorobenzene	<12	<3.0	<3.0	<3.0	3.0
1,4-Dichlorobenzene	<12	<3.0	<3.0	<3.0	3.0
Dichlorodifluoromethane (R12)	<10	<2.5	<2.5	<2.5	2.5
1,1-Dichloroethane	**80**	<2.5	<2.5	<2.5	2.5
1,2-Dichloroethane (EDC)	<10	<2.5	<2.5	<2.5	2.5
cis-1,2-Dichloroethylene	**19**	<2.5	<2.5	<2.5	2.5
1,1-Dichloroethylene	**150000**	**5800**	**13000**	**3500**	2.5
trans-1,2-Dichloroethylene	<10	<2.5	<2.5	<2.5	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/10/21	01/10/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/14/21	01/14/21	01/14/21	01/14/21	
AA ID No:	1A11011-01	1A11011-02	1A11011-03	1A11011-04	
Client ID No:	SS1	SS2	SS3	SS4	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	4	1	1	1	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<10	<2.5	<2.5	<2.5	2.5
trans-1,3-Dichloropropylene	<10	<2.5	<2.5	<2.5	2.5
cis-1,3-Dichloropropylene	<10	<2.5	<2.5	<2.5	2.5
Dichlorotetrafluoroethane	<14	<3.5	<3.5	<3.5	3.5
1,4-Dioxane	<10	<2.5	<2.5	**5.7**	2.5
Ethyl Acetate	<10	<2.5	<2.5	<2.5	2.5
Ethylbenzene	<10	<2.5	<2.5	<2.5	2.5
4-Ethyltoluene	<10	<2.5	<2.5	<2.5	2.5
Heptane	<10	<2.5	<2.5	<2.5	2.5
Hexachlorobutadiene	<24	<6.0	<6.0	<6.0	6.0
n-Hexane	<10	<2.5	<2.5	<2.5	2.5
2-Hexanone (MBK)	<40	<10	<10	<10	10
Isopropanol (IPA)	**500**	<10	**10**	<10	10
Methyl-tert-Butyl Ether (MTBE)	<40	<10	<10	<10	10
Methylene Chloride	<10	<2.5	<2.5	<2.5	2.5
4-Methyl-2-pentanone (MIBK)	<40	<10	<10	<10	10
Naphthalene	<10	<2.5	<2.5	<2.5	2.5
Propylene	**26**	<2.5	<2.5	<2.5	2.5
Styrene	<10	<2.5	<2.5	<2.5	2.5
1,1,2,2-Tetrachloroethane	<14	<3.5	<3.5	<3.5	3.5
Tetrachloroethylene (PCE)	**36000**	**2300**	**2900**	**430**	3.5
Tetrahydrofuran (THF)	<10	<2.5	<2.5	<2.5	2.5
Toluene	<10	<2.5	<2.5	<2.5	2.5
1,2,4-Trichlorobenzene	<16	<4.0	<4.0	<4.0	4.0
1,1,2-Trichloroethane	<12	<3.0	<3.0	<3.0	3.0
1,1,1-Trichloroethane	**35**	<3.0	**4.3**	**7.7**	3.0
Trichloroethylene (TCE)	**660**	**65**	**65**	**23**	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/10/21	01/10/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/14/21	01/14/21	01/14/21	01/14/21	
AA ID No:	1A11011-01	1A11011-02	1A11011-03	1A11011-04	
Client ID No:	SS1	SS2	SS3	SS4	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	4	1	1	1	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**450**	**21**	**110**	**130**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**1300**	**62**	**270**	**560**	4.0
1,3,5-Trimethylbenzene	<10	<2.5	<2.5	<2.5	2.5
1,2,4-Trimethylbenzene	<10	**3.5**	**3.0**	**3.3**	2.5
2,2,4-Trimethylpentane	<10	<2.5	<2.5	<2.5	2.5
Vinyl acetate	<10	<2.5	<2.5	<2.5	2.5
Vinyl bromide	<10	<2.5	<2.5	<2.5	2.5
Vinyl chloride	<10	<2.5	<2.5	<2.5	2.5
o-Xylene	**11**	<2.5	**3.3**	**2.6**	2.5
m,p-Xylenes	<20	<5.0	**6.2**	<5.0	5.0
Isobutane	**23**	**3.0**	**23**	**48**	2.5
sec-Butylbenzene	<12	<3.0	<3.0	<3.0	3.0
Isopropylbenzene	<10	<2.5	<2.5	<2.5	2.5
n-Propylbenzene	<10	<2.5	<2.5	<2.5	2.5
4-Isopropyltoluene	<12	<3.0	<3.0	<3.0	3.0
1,2,3-Trichloropropane	<12	<3.0	<3.0	<3.0	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	125%	121%	118%	114%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/10/21	01/10/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/14/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-05	1A11011-06	1A11011-07	1A11011-08	
Client ID No:	SS5	SS6	SS7	SS8	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	2	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	**27**	**38**	**20**	**790 [1]**	10
Allyl chloride	<2.5	<2.5	<2.5	<5.0	2.5
Benzene	<2.5	<2.5	**2.5**	**19**	2.5
Benzyl chloride	<2.5	<2.5	<2.5	<5.0	2.5
Bromodichloromethane	<3.0	<3.0	<3.0	<6.0	3.0
Bromoform	<5.0	<5.0	<5.0	<10	5.0
Bromomethane	<2.5	<2.5	<2.5	<5.0	2.5
1,3-Butadiene	<2.5	<2.5	<2.5	<5.0	2.5
2-Butanone (MEK)	<10	<10	<10	<20	10
Carbon Disulfide	<2.5	<2.5	<2.5	<5.0	2.5
Carbon Tetrachloride	<3.5	<3.5	<3.5	<7.0	3.5
Chlorobenzene	<2.5	<2.5	<2.5	<5.0	2.5
Chloroethane	<2.5	<2.5	<2.5	<5.0	2.5
Chloroform	<2.5	<2.5	<2.5	**16**	2.5
Chloromethane	<2.5	<2.5	<2.5	<5.0	2.5
Cyclohexane	<2.5	<2.5	**2.5**	**11**	2.5
Dibromochloromethane	<2.5	<2.5	<2.5	<5.0	2.5
1,2-Dibromoethane (EDB)	<4.0	<4.0	<4.0	<8.0	4.0
1,2-Dichlorobenzene	<3.0	<3.0	<3.0	<6.0	3.0
1,3-Dichlorobenzene	<3.0	<3.0	<3.0	<6.0	3.0
1,4-Dichlorobenzene	<3.0	<3.0	<3.0	<6.0	3.0
Dichlorodifluoromethane (R12)	<2.5	<2.5	<2.5	<5.0	2.5
1,1-Dichloroethane	<2.5	<2.5	<2.5	**22**	2.5
1,2-Dichloroethane (EDC)	<2.5	<2.5	<2.5	<5.0	2.5
cis-1,2-Dichloroethylene	<2.5	<2.5	<2.5	**7.5**	2.5
1,1-Dichloroethylene	**82**	**2800**	**12000**	**72000**	2.5
trans-1,2-Dichloroethylene	<2.5	<2.5	<2.5	<5.0	2.5

Allen Aminian
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LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/10/21	01/10/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/14/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-05	1A11011-06	1A11011-07	1A11011-08	
Client ID No:	SS5	SS6	SS7	SS8	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	2	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<2.5	<2.5	<2.5	<5.0	2.5
trans-1,3-Dichloropropylene	<2.5	<2.5	<2.5	<5.0	2.5
cis-1,3-Dichloropropylene	<2.5	<2.5	<2.5	<5.0	2.5
Dichlorotetrafluoroethane	<3.5	<3.5	<3.5	<7.0	3.5
1,4-Dioxane	<2.5	<2.5	<2.5	<5.0	2.5
Ethyl Acetate	<2.5	<2.5	<2.5	<5.0	2.5
Ethylbenzene	<2.5	**16**	**45**	**220**	2.5
4-Ethyltoluene	**2.6**	<2.5	<2.5	**8.0**	2.5
Heptane	<2.5	<2.5	<2.5	<5.0	2.5
Hexachlorobutadiene	<6.0	<6.0	<6.0	<12	6.0
n-Hexane	<2.5	<2.5	<2.5	<5.0	2.5
2-Hexanone (MBK)	<10	<10	<10	<20	10
Isopropanol (IPA)	**15**	**82**	**54**	<20	10
Methyl-tert-Butyl Ether (MTBE)	<10	<10	<10	<20	10
Methylene Chloride	**8.6**	<2.5	<2.5	<5.0	2.5
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<20	10
Naphthalene	<2.5	<2.5	<2.5	<5.0	2.5
Propylene	<2.5	<2.5	<2.5	<5.0	2.5
Styrene	<2.5	<2.5	<2.5	<5.0	2.5
1,1,2,2-Tetrachloroethane	<3.5	<3.5	<3.5	<7.0	3.5
Tetrachloroethylene (PCE)	**44**	**550**	**3200**	**13000**	3.5
Tetrahydrofuran (THF)	<2.5	<2.5	<2.5	<5.0	2.5
Toluene	<2.5	**4.3**	**5.1**	**10**	2.5
1,2,4-Trichlorobenzene	<4.0	<4.0	<4.0	<8.0	4.0
1,1,2-Trichloroethane	<3.0	<3.0	<3.0	<6.0	3.0
1,1,1-Trichloroethane	**10**	**4.8**	**13**	**16**	3.0
Trichloroethylene (TCE)	**9.9**	**100**	**130**	**410 [1]**	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/10/21	01/10/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/14/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-05	1A11011-06	1A11011-07	1A11011-08	
Client ID No:	SS5	SS6	SS7	SS8	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	1	1	1	2	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**38**	**64**	**110**	**450**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**110**	**190**	**1300**	**890 [1]**	4.0
1,3,5-Trimethylbenzene	<2.5	<2.5	<2.5	<5.0	2.5
1,2,4-Trimethylbenzene	**4.2**	<2.5	**2.9**	<5.0	2.5
2,2,4-Trimethylpentane	<2.5	<2.5	<2.5	<5.0	2.5
Vinyl acetate	<2.5	<2.5	<2.5	**14**	2.5
Vinyl bromide	<2.5	<2.5	<2.5	<5.0	2.5
Vinyl chloride	<2.5	<2.5	<2.5	<5.0	2.5
o-Xylene	<2.5	**36**	**81**	**340 [1]**	2.5
m,p-Xylenes	<5.0	**56**	**150**	**570 [1]**	5.0
Isobutane	**6.5**	**6.7**	**8.1**	**26**	2.5
sec-Butylbenzene	<3.0	<3.0	<3.0	<6.0	3.0
Isopropylbenzene	<2.5	<2.5	<2.5	**14**	2.5
n-Propylbenzene	<2.5	<2.5	<2.5	**5.6**	2.5
4-Isopropyltoluene	<3.0	<3.0	<3.0	<6.0	3.0
1,2,3-Trichloropropane	<3.0	<3.0	<3.0	<6.0	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	108%	109%	113%	113%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/11/21	01/11/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-09	1A11011-10	1A11011-11	1A11011-12	
Client ID No:	SS9	SS10	SS20 DUP	SS25 DUP	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	2	4	2	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	<80	**33**	**120**	**93**	10
Allyl chloride	<20	<5.0	<10	<5.0	2.5
Benzene	**58**	**9.3**	**54**	**10**	2.5
Benzyl chloride	<20	<5.0	<10	<5.0	2.5
Bromodichloromethane	<24	**7.9**	<12	**16**	3.0
Bromoform	<40	<10	<20	<10	5.0
Bromomethane	<20	<5.0	<10	<5.0	2.5
1,3-Butadiene	<20	<5.0	<10	<5.0	2.5
2-Butanone (MEK)	<80	<20	<40	<20	10
Carbon Disulfide	<20	<5.0	<10	<5.0	2.5
Carbon Tetrachloride	<28	<7.0	<14	<7.0	3.5
Chlorobenzene	<20	<5.0	<10	<5.0	2.5
Chloroethane	<20	<5.0	<10	<5.0	2.5
Chloroform	**250**	**32**	**68**	**20**	2.5
Chloromethane	<20	<5.0	<10	<5.0	2.5
Cyclohexane	**20**	**5.2**	**35**	<5.0	2.5
Dibromochloromethane	<20	<5.0	<10	**6.5**	2.5
1,2-Dibromoethane (EDB)	<32	<8.0	<16	<8.0	4.0
1,2-Dichlorobenzene	<24	<6.0	<12	<6.0	3.0
1,3-Dichlorobenzene	<24	<6.0	<12	<6.0	3.0
1,4-Dichlorobenzene	<24	<6.0	<12	<6.0	3.0
Dichlorodifluoromethane (R12)	<20	<5.0	<10	<5.0	2.5
1,1-Dichloroethane	**480**	**130**	**52**	<5.0	2.5
1,2-Dichloroethane (EDC)	<20	<5.0	<10	<5.0	2.5
cis-1,2-Dichloroethylene	**140**	<5.0	**30**	**11**	2.5
1,1-Dichloroethylene	**190000**	**29000**	**60000**	**4400**	2.5
trans-1,2-Dichloroethylene	<20	<5.0	<10	<5.0	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/11/21	01/11/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-09	1A11011-10	1A11011-11	1A11011-12	
Client ID No:	SS9	SS10	SS20 DUP	SS25 DUP	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	2	4	2	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<5.0	<10	<5.0	2.5
trans-1,3-Dichloropropylene	<20	<5.0	<10	<5.0	2.5
cis-1,3-Dichloropropylene	<20	<5.0	<10	<5.0	2.5
Dichlorotetrafluoroethane	<28	<7.0	<14	<7.0	3.5
1,4-Dioxane	<20	**9.2**	<10	<5.0	2.5
Ethyl Acetate	<20	<5.0	<10	<5.0	2.5
Ethylbenzene	<20	**7.1**	<10	<5.0	2.5
4-Ethyltoluene	<20	<5.0	<10	<5.0	2.5
Heptane	<20	<5.0	<10	<5.0	2.5
Hexachlorobutadiene	<48	<12	<24	<12	6.0
n-Hexane	<20	<5.0	<10	<5.0	2.5
2-Hexanone (MBK)	<80	<20	<40	<20	10
Isopropanol (IPA)	**190**	**47**	<40	**68**	10
Methyl-tert-Butyl Ether (MTBE)	<80	<20	<40	<20	10
Methylene Chloride	<20	<5.0	<10	**25**	2.5
4-Methyl-2-pentanone (MIBK)	<80	<20	<40	<20	10
Naphthalene	<20	<5.0	<10	<5.0	2.5
Propylene	<20	**22**	<10	<5.0	2.5
Styrene	<20	<5.0	<10	<5.0	2.5
1,1,2,2-Tetrachloroethane	<28	<7.0	<14	<7.0	3.5
Tetrachloroethylene (PCE)	**150000**	**21000**	**44000**	**11000**	3.5
Tetrahydrofuran (THF)	<20	<5.0	<10	<5.0	2.5
Toluene	**47**	<5.0	<10	<5.0	2.5
1,2,4-Trichlorobenzene	<32	<8.0	<16	<8.0	4.0
1,1,2-Trichloroethane	<24	**96**	<12	<6.0	3.0
1,1,1-Trichloroethane	**1800 [1]**	**4700**	**64**	<6.0	3.0
Trichloroethylene (TCE)	**26000**	**580 [1]**	**14000**	**5700**	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	01/11/21	01/11/21	
Date Prepared:	01/14/21	01/14/21	01/14/21	01/14/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-09	1A11011-10	1A11011-11	1A11011-12	
Client ID No:	SS9	SS10	SS20 DUP	SS25 DUP	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	2	4	2	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**55**	**16**	**120**	**22**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**740**	**320**	**540**	**180**	4.0
1,3,5-Trimethylbenzene	<20	<5.0	<10	<5.0	2.5
1,2,4-Trimethylbenzene	<20	**8.9**	**11**	**8.7**	2.5
2,2,4-Trimethylpentane	<20	<5.0	**24**	<5.0	2.5
Vinyl acetate	<20	<5.0	<10	<5.0	2.5
Vinyl bromide	<20	<5.0	<10	<5.0	2.5
Vinyl chloride	<20	<5.0	<10	<5.0	2.5
o-Xylene	<20	**13**	<10	<5.0	2.5
m,p-Xylenes	<40	**27**	<20	<10	5.0
Isobutane	**37**	**14**	**20**	**15**	2.5
sec-Butylbenzene	<24	<6.0	<12	<6.0	3.0
Isopropylbenzene	<20	<5.0	<10	<5.0	2.5
n-Propylbenzene	<20	<5.0	<10	<5.0	2.5
4-Isopropyltoluene	<24	<6.0	<12	<6.0	3.0
1,2,3-Trichloropropane	<24	<6.0	<12	<6.0	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	128%	116%	125%	124%	70-130

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Client: Frey Environmental Inc
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AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/15/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-13	1A11011-14	1A11011-15	1A11011-16	
Client ID No:	SS17 DUP	SS11	SS12	SS13	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	**140**	<80	**99**	<80	10
Allyl chloride	<20	<20	<20	<20	2.5
Benzene	**37**	**46**	**67**	<20	2.5
Benzyl chloride	<20	<20	<20	<20	2.5
Bromodichloromethane	**24**	**51**	**50**	<24	3.0
Bromoform	<40	<40	<40	<40	5.0
Bromomethane	<20	<20	<20	<20	2.5
1,3-Butadiene	<20	<20	<20	<20	2.5
2-Butanone (MEK)	<80	<80	<80	<80	10
Carbon Disulfide	<20	<20	<20	<20	2.5
Carbon Tetrachloride	<28	**32**	<28	<28	3.5
Chlorobenzene	<20	<20	<20	<20	2.5
Chloroethane	<20	<20	<20	<20	2.5
Chloroform	**55**	**240**	**300**	<20	2.5
Chloromethane	<20	<20	<20	<20	2.5
Cyclohexane	**34**	<20	<20	<20	2.5
Dibromochloromethane	<20	<20	<20	<20	2.5
1,2-Dibromoethane (EDB)	<32	<32	<32	<32	4.0
1,2-Dichlorobenzene	<24	<24	<24	<24	3.0
1,3-Dichlorobenzene	<24	<24	<24	<24	3.0
1,4-Dichlorobenzene	<24	<24	<24	<24	3.0
Dichlorodifluoromethane (R12)	<20	<20	<20	<20	2.5
1,1-Dichloroethane	**6800**	**120**	**170**	<20	2.5
1,2-Dichloroethane (EDC)	<20	<20	<20	<20	2.5
cis-1,2-Dichloroethylene	**120**	**26**	<20	<20	2.5
1,1-Dichloroethylene	**170000 [1]**	**160000 [1]**	**70000**	**9700**	2.5
trans-1,2-Dichloroethylene	<20	**21**	<20	<20	2.5

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Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/15/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-13	1A11011-14	1A11011-15	1A11011-16	
Client ID No:	SS17 DUP	SS11	SS12	SS13	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<20	<20	<20	2.5
trans-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
cis-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
Dichlorotetrafluoroethane	<28	<28	<28	<28	3.5
1,4-Dioxane	<20	<20	<20	<20	2.5
Ethyl Acetate	<20	<20	<20	<20	2.5
Ethylbenzene	<20	<20	<20	<20	2.5
4-Ethyltoluene	<20	<20	<20	<20	2.5
Heptane	<20	<20	<20	<20	2.5
Hexachlorobutadiene	<48	<48	<48	<48	6.0
n-Hexane	<20	<20	<20	<20	2.5
2-Hexanone (MBK)	<80	<80	<80	<80	10
Isopropanol (IPA)	<80	<80	**83**	<80	10
Methyl-tert-Butyl Ether (MTBE)	<80	<80	<80	<80	10
Methylene Chloride	<20	<20	**210**	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	<80	<80	<80	10
Naphthalene	<20	<20	<20	<20	2.5
Propylene	<20	**44**	**50**	<20	2.5
Styrene	<20	<20	<20	<20	2.5
1,1,2,2-Tetrachloroethane	<28	<28	<28	<28	3.5
Tetrachloroethylene (PCE)	**76000**	**210000**	**110000**	**2700**	3.5
Tetrahydrofuran (THF)	<20	<20	<20	<20	2.5
Toluene	<20	<20	<20	<20	2.5
1,2,4-Trichlorobenzene	<32	<32	<32	<32	4.0
1,1,2-Trichloroethane	<24	<24	<24	<24	3.0
1,1,1-Trichloroethane	**310**	**1400 [1]**	**6700**	**85**	3.0
Trichloroethylene (TCE)	**1400 [1]**	**38000**	**32000**	**1900**	3.0

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AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/15/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-13	1A11011-14	1A11011-15	1A11011-16	
Client ID No:	SS17 DUP	SS11	SS12	SS13	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**1400**	**91**	**52**	<24	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**2300**	**1000**	**910**	**140**	4.0
1,3,5-Trimethylbenzene	<20	<20	<20	<20	2.5
1,2,4-Trimethylbenzene	<20	<20	<20	<20	2.5
2,2,4-Trimethylpentane	<20	<20	<20	<20	2.5
Vinyl acetate	<20	<20	<20	<20	2.5
Vinyl bromide	<20	<20	<20	<20	2.5
Vinyl chloride	<20	<20	<20	<20	2.5
o-Xylene	<20	<20	**24**	<20	2.5
m,p-Xylenes	<40	<40	**63**	<40	5.0
Isobutane	**20**	**32**	**56**	<20	2.5
sec-Butylbenzene	<24	<24	<24	<24	3.0
Isopropylbenzene	<20	<20	<20	<20	2.5
n-Propylbenzene	<20	<20	<20	<20	2.5
4-Isopropyltoluene	<24	<24	<24	<24	3.0
1,2,3-Trichloropropane	<24	<24	<24	<24	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	128%	124%	131% [7]	114%	70-130

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AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/2021	01/11/2021	01/11/2021	01/11/2021	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/15/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-17	1A11011-18	1A11011-19	1A11011-20	
Client ID No:	SS14	SS15	SS16	SS17	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	**220**	<80	**120**	**190**	10
Allyl chloride	<20	<20	<20	<20	2.5
Benzene	<20	**29**	**95**	**26**	2.5
Benzyl chloride	<20	<20	<20	<20	2.5
Bromodichloromethane	<24	<24	**51**	<24	3.0
Bromoform	<40	<40	<40	<40	5.0
Bromomethane	<20	<20	<20	<20	2.5
1,3-Butadiene	<20	<20	<20	<20	2.5
2-Butanone (MEK)	<80	<80	<80	<80	10
Carbon Disulfide	<20	<20	<20	<20	2.5
Carbon Tetrachloride	<28	<28	**38**	<28	3.5
Chlorobenzene	<20	<20	<20	<20	2.5
Chloroethane	<20	<20	<20	<20	2.5
Chloroform	<20	**63**	**220**	**36**	2.5
Chloromethane	<20	<20	<20	<20	2.5
Cyclohexane	<20	<20	**40**	<20	2.5
Dibromochloromethane	<20	<20	<20	<20	2.5
1,2-Dibromoethane (EDB)	<32	<32	<32	<32	4.0
1,2-Dichlorobenzene	<24	<24	<24	<24	3.0
1,3-Dichlorobenzene	<24	<24	<24	<24	3.0
1,4-Dichlorobenzene	<24	<24	<24	<24	3.0
Dichlorodifluoromethane (R12)	<20	<20	<20	<20	2.5
1,1-Dichloroethane	<20	**68**	**370**	**1600 [1]**	2.5
1,2-Dichloroethane (EDC)	<20	<20	<20	<20	2.5
cis-1,2-Dichloroethylene	<20	<20	**75**	**82**	2.5
1,1-Dichloroethylene	**25000**	**140000**	**680000 [1]**	**85000**	2.5
trans-1,2-Dichloroethylene	<20	<20	<20	<20	2.5

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AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/2021	01/11/2021	01/11/2021	01/11/2021	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/15/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-17	1A11011-18	1A11011-19	1A11011-20	
Client ID No:	SS14	SS15	SS16	SS17	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<20	<20	<20	2.5
trans-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
cis-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
Dichlorotetrafluoroethane	<28	<28	<28	<28	3.5
1,4-Dioxane	<20	<20	<20	<20	2.5
Ethyl Acetate	<20	<20	<20	<20	2.5
Ethylbenzene	<20	<20	<20	<20	2.5
4-Ethyltoluene	<20	<20	<20	<20	2.5
Heptane	<20	<20	<20	<20	2.5
Hexachlorobutadiene	<48	<48	<48	<48	6.0
n-Hexane	<20	<20	<20	<20	2.5
2-Hexanone (MBK)	<80	<80	<80	<80	10
Isopropanol (IPA)	<80	<80	**320**	**310**	10
Methyl-tert-Butyl Ether (MTBE)	<80	<80	<80	<80	10
Methylene Chloride	**110**	<20	<20	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	<80	<80	<80	10
Naphthalene	<20	<20	<20	<20	2.5
Propylene	<20	<20	<20	<20	2.5
Styrene	<20	<20	<20	<20	2.5
1,1,2,2-Tetrachloroethane	<28	<28	<28	<28	3.5
Tetrachloroethylene (PCE)	**27000**	**77000**	**260000**	**44000**	3.5
Tetrahydrofuran (THF)	<20	<20	<20	<20	2.5
Toluene	<20	<20	<20	<20	2.5
1,2,4-Trichlorobenzene	<32	<32	<32	<32	4.0
1,1,2-Trichloroethane	<24	<24	<24	<24	3.0
1,1,1-Trichloroethane	**220**	**82**	**200**	**170**	3.0
Trichloroethylene (TCE)	**370**	**14000**	**25000**	**970**	3.0

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AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/2021	01/11/2021	01/11/2021	01/11/2021	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/15/21	
Date Analyzed:	01/15/21	01/15/21	01/15/21	01/15/21	
AA ID No:	1A11011-17	1A11011-18	1A11011-19	1A11011-20	
Client ID No:	SS14	SS15	SS16	SS17	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	<24	**88**	**1000**	**630**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**240**	**490**	**2800 [1]**	**1100**	4.0
1,3,5-Trimethylbenzene	<20	<20	<20	<20	2.5
1,2,4-Trimethylbenzene	<20	<20	<20	<20	2.5
2,2,4-Trimethylpentane	<20	<20	<20	<20	2.5
Vinyl acetate	<20	<20	<20	<20	2.5
Vinyl bromide	<20	<20	<20	<20	2.5
Vinyl chloride	<20	<20	<20	<20	2.5
o-Xylene	<20	<20	<20	<20	2.5
m,p-Xylenes	<40	<40	<40	<40	5.0
Isobutane	<20	<20	**38**	<20	2.5
sec-Butylbenzene	<24	<24	<24	<24	3.0
Isopropylbenzene	<20	<20	<20	<20	2.5
n-Propylbenzene	<20	<20	<20	<20	2.5
4-Isopropyltoluene	<24	<24	<24	<24	3.0
1,2,3-Trichloropropane	<24	<24	<24	<24	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	119%	126%	131% [7]	122%	70-130

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Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/18/21	
Date Analyzed:	01/15/21	01/15/21	01/16/21	01/18/21	
AA ID No:	1A11011-21	1A11011-22	1A11011-23	1A11011-24	
Client ID No:	SS18	SS20	SS21	SS23	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	<80	**240**	**160**	<80	10
Allyl chloride	<20	<20	<20	<20	2.5
Benzene	**61**	**51**	**91**	**22**	2.5
Benzyl chloride	<20	<20	<20	<20	2.5
Bromodichloromethane	<24	**41**	<24	<24	3.0
Bromoform	<40	<40	<40	<40	5.0
Bromomethane	<20	<20	<20	<20	2.5
1,3-Butadiene	<20	<20	<20	<20	2.5
2-Butanone (MEK)	<80	<80	<80	<80	10
Carbon Disulfide	<20	<20	<20	<20	2.5
Carbon Tetrachloride	<28	<28	<28	<28	3.5
Chlorobenzene	<20	<20	<20	<20	2.5
Chloroethane	<20	<20	<20	<20	2.5
Chloroform	**34**	**61**	**150**	<20	2.5
Chloromethane	<20	<20	<20	<20	2.5
Cyclohexane	**27**	**31**	<20	<20	2.5
Dibromochloromethane	<20	<20	<20	<20	2.5
1,2-Dibromoethane (EDB)	<32	<32	<32	<32	4.0
1,2-Dichlorobenzene	<24	<24	<24	<24	3.0
1,3-Dichlorobenzene	<24	<24	<24	<24	3.0
1,4-Dichlorobenzene	<24	<24	<24	<24	3.0
Dichlorodifluoromethane (R12)	<20	<20	<20	<20	2.5
1,1-Dichloroethane	**350**	**46**	<20	<20	2.5
1,2-Dichloroethane (EDC)	<20	<20	<20	<20	2.5
cis-1,2-Dichloroethylene	**23**	**27**	**130**	<20	2.5
1,1-Dichloroethylene	**350000**	**66000**	**30000**	**37000**	2.5
trans-1,2-Dichloroethylene	<20	<20	<20	<20	2.5

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AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/18/21	
Date Analyzed:	01/15/21	01/15/21	01/16/21	01/18/21	
AA ID No:	1A11011-21	1A11011-22	1A11011-23	1A11011-24	
Client ID No:	SS18	SS20	SS21	SS23	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<20	<20	<20	2.5
trans-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
cis-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
Dichlorotetrafluoroethane	<28	<28	<28	<28	3.5
1,4-Dioxane	<20	<20	<20	<20	2.5
Ethyl Acetate	<20	<20	<20	<20	2.5
Ethylbenzene	<20	<20	<20	**30**	2.5
4-Ethyltoluene	<20	<20	<20	<20	2.5
Heptane	<20	<20	<20	<20	2.5
Hexachlorobutadiene	<48	<48	<48	<48	6.0
n-Hexane	<20	<20	<20	<20	2.5
2-Hexanone (MBK)	<80	<80	<80	<80	10
Isopropanol (IPA)	<80	<80	**210**	**310**	10
Methyl-tert-Butyl Ether (MTBE)	<80	<80	<80	<80	10
Methylene Chloride	<20	<20	**240**	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	<80	<80	<80	10
Naphthalene	<20	<20	<20	<20	2.5
Propylene	<20	<20	<20	<20	2.5
Styrene	<20	<20	<20	<20	2.5
1,1,2,2-Tetrachloroethane	<28	<28	<28	<28	3.5
Tetrachloroethylene (PCE)	**34000**	**52000**	**38000**	**2900**	3.5
Tetrahydrofuran (THF)	<20	<20	<20	<20	2.5
Toluene	<20	<20	<20	<20	2.5
1,2,4-Trichlorobenzene	<32	<32	<32	<32	4.0
1,1,2-Trichloroethane	<24	<24	<24	<24	3.0
1,1,1-Trichloroethane	**69**	**34**	**24**	**38**	3.0
Trichloroethylene (TCE)	**1100 [1]**	**15000**	**29000**	**1100 [1]**	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/15/21	01/15/21	01/15/21	01/18/21	
Date Analyzed:	01/15/21	01/15/21	01/16/21	01/18/21	
AA ID No:	1A11011-21	1A11011-22	1A11011-23	1A11011-24	
Client ID No:	SS18	SS20	SS21	SS23	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	**1200 [1]**	**130**	**230**	**750**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**2500 [1]**	**470**	**700**	**1800 [1]**	4.0
1,3,5-Trimethylbenzene	<20	<20	<20	<20	2.5
1,2,4-Trimethylbenzene	<20	<20	<20	<20	2.5
2,2,4-Trimethylpentane	<20	**24**	<20	<20	2.5
Vinyl acetate	<20	**140**	<20	<20	2.5
Vinyl bromide	<20	<20	<20	<20	2.5
Vinyl chloride	<20	<20	<20	<20	2.5
o-Xylene	<20	<20	<20	**57**	2.5
m,p-Xylenes	<40	<40	<40	**110**	5.0
Isobutane	**37**	<20	<20	**42**	2.5
sec-Butylbenzene	<24	<24	<24	<24	3.0
Isopropylbenzene	<20	<20	<20	<20	2.5
n-Propylbenzene	<20	<20	<20	<20	2.5
4-Isopropyltoluene	<24	<24	<24	<24	3.0
1,2,3-Trichloropropane	<24	<24	<24	<24	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	120%	128%	126%	123%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/18/21	01/18/21	01/18/21	01/18/21	
Date Analyzed:	01/18/21	01/18/21	01/18/21	01/18/21	
AA ID No:	1A11011-25	1A11011-26	1A11011-27	1A11011-28	
Client ID No:	SS24	SS25	SS26	SS27	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15)					
Acetone	<80	**180**	<80	<80	10
Allyl chloride	<20	<20	<20	<20	2.5
Benzene	<20	<20	<20	<20	2.5
Benzyl chloride	<20	<20	<20	<20	2.5
Bromodichloromethane	<24	<24	<24	<24	3.0
Bromoform	<40	<40	<40	<40	5.0
Bromomethane	<20	<20	<20	<20	2.5
1,3-Butadiene	<20	<20	<20	<20	2.5
2-Butanone (MEK)	<80	<80	<80	<80	10
Carbon Disulfide	<20	<20	<20	<20	2.5
Carbon Tetrachloride	<28	<28	<28	<28	3.5
Chlorobenzene	<20	<20	<20	<20	2.5
Chloroethane	<20	<20	<20	<20	2.5
Chloroform	<20	<20	<20	<20	2.5
Chloromethane	<20	<20	<20	<20	2.5
Cyclohexane	<20	<20	<20	<20	2.5
Dibromochloromethane	<20	<20	<20	<20	2.5
1,2-Dibromoethane (EDB)	<32	<32	<32	<32	4.0
1,2-Dichlorobenzene	<24	<24	<24	<24	3.0
1,3-Dichlorobenzene	<24	<24	<24	<24	3.0
1,4-Dichlorobenzene	<24	<24	<24	<24	3.0
Dichlorodifluoromethane (R12)	<20	<20	<20	<20	2.5
1,1-Dichloroethane	<20	<20	<20	<20	2.5
1,2-Dichloroethane (EDC)	<20	<20	<20	<20	2.5
cis-1,2-Dichloroethylene	<20	<20	<20	<20	2.5
1,1-Dichloroethylene	**520**	**1400**	**5200**	**480**	2.5
trans-1,2-Dichloroethylene	<20	<20	<20	<20	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/18/21	01/18/21	01/18/21	01/18/21	
Date Analyzed:	01/18/21	01/18/21	01/18/21	01/18/21	
AA ID No:	1A11011-25	1A11011-26	1A11011-27	1A11011-28	
Client ID No:	SS24	SS25	SS26	SS27	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
1,2-Dichloropropane	<20	<20	<20	<20	2.5
trans-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
cis-1,3-Dichloropropylene	<20	<20	<20	<20	2.5
Dichlorotetrafluoroethane	<28	<28	<28	<28	3.5
1,4-Dioxane	<20	<20	<20	<20	2.5
Ethyl Acetate	<20	<20	<20	<20	2.5
Ethylbenzene	<20	<20	<20	**65**	2.5
4-Ethyltoluene	<20	<20	<20	<20	2.5
Heptane	<20	<20	<20	<20	2.5
Hexachlorobutadiene	<48	<48	<48	<48	6.0
n-Hexane	<20	<20	<20	<20	2.5
2-Hexanone (MBK)	<80	<80	<80	<80	10
Isopropanol (IPA)	<80	<80	<80	**260**	10
Methyl-tert-Butyl Ether (MTBE)	<80	<80	<80	<80	10
Methylene Chloride	<20	<20	**49**	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	<80	<80	<80	10
Naphthalene	<20	<20	<20	<20	2.5
Propylene	<20	<20	<20	<20	2.5
Styrene	<20	<20	<20	<20	2.5
1,1,2,2-Tetrachloroethane	<28	<28	<28	<28	3.5
Tetrachloroethylene (PCE)	**1200**	**3800 [1]**	**9400**	**210**	3.5
Tetrahydrofuran (THF)	<20	<20	<20	<20	2.5
Toluene	<20	<20	<20	<20	2.5
1,2,4-Trichlorobenzene	<32	<32	<32	<32	4.0
1,1,2-Trichloroethane	<24	<24	<24	<24	3.0
1,1,1-Trichloroethane	<24	<24	<24	<24	3.0
Trichloroethylene (TCE)	**490**	**2100**	**4800**	**42**	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/11/21	01/11/21	01/11/21	01/11/21	
Date Prepared:	01/18/21	01/18/21	01/18/21	01/18/21	
Date Analyzed:	01/18/21	01/18/21	01/18/21	01/18/21	
AA ID No:	1A11011-25	1A11011-26	1A11011-27	1A11011-28	
Client ID No:	SS24	SS25	SS26	SS27	
Matrix:	Vapor	Vapor	Vapor	Vapor	
Dilution Factor:	8	8	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)					
Trichlorofluoromethane (R11)	<24	<24	**92**	**170**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<32	**97**	**360**	**530**	4.0
1,3,5-Trimethylbenzene	<20	<20	<20	<20	2.5
1,2,4-Trimethylbenzene	<20	<20	<20	<20	2.5
2,2,4-Trimethylpentane	<20	<20	<20	<20	2.5
Vinyl acetate	<20	<20	<20	<20	2.5
Vinyl bromide	<20	<20	<20	<20	2.5
Vinyl chloride	<20	<20	<20	<20	2.5
o-Xylene	<20	<20	<20	**90**	2.5
m,p-Xylenes	<40	<40	<40	**240**	5.0
Isobutane	<20	<20	**31**	<20	2.5
sec-Butylbenzene	<24	<24	<24	<24	3.0
Isopropylbenzene	<20	<20	<20	<20	2.5
n-Propylbenzene	<20	<20	<20	<20	2.5
4-Isopropyltoluene	<24	<24	<24	<24	3.0
1,2,3-Trichloropropane	<24	<24	<24	<24	3.0
Surrogates					**%REC Limits**
4-Bromofluorobenzene	120%	124%	126%	117%	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	
Date Prepared:	01/18/21	01/18/21	
Date Analyzed:	01/18/21	01/19/21	
AA ID No:	1A11011-29	1A11011-30	
Client ID No:	SS19	SS22	
Matrix:	Vapor	Vapor	
Dilution Factor:	8	8	MRL
TO-15 (ug/m3) SG (TO-15)			
Acetone	**320**	**89**	10
Allyl chloride	<20	<20	2.5
Benzene	**67**	**87**	2.5
Benzyl chloride	<20	<20	2.5
Bromodichloromethane	<24	<24	3.0
Bromoform	<40	<40	5.0
Bromomethane	<20	<20	2.5
1,3-Butadiene	<20	<20	2.5
2-Butanone (MEK)	<80	<80	10
Carbon Disulfide	<20	<20	2.5
Carbon Tetrachloride	<28	<28	3.5
Chlorobenzene	<20	<20	2.5
Chloroethane	<20	<20	2.5
Chloroform	**91**	**89**	2.5
Chloromethane	<20	<20	2.5
Cyclohexane	**22**	<20	2.5
Dibromochloromethane	<20	<20	2.5
1,2-Dibromoethane (EDB)	<32	<32	4.0
1,2-Dichlorobenzene	<24	<24	3.0
1,3-Dichlorobenzene	<24	<24	3.0
1,4-Dichlorobenzene	<24	<24	3.0
Dichlorodifluoromethane (R12)	<20	<20	2.5
1,1-Dichloroethane	**370**	<20	2.5
1,2-Dichloroethane (EDC)	<20	<20	2.5
cis-1,2-Dichloroethylene	**38**	**48**	2.5
1,1-Dichloroethylene	**310000**	**37000**	2.5
trans-1,2-Dichloroethylene	<20	<20	2.5

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	
Date Prepared:	01/18/21	01/18/21	
Date Analyzed:	01/18/21	01/19/21	
AA ID No:	1A11011-29	1A11011-30	
Client ID No:	SS19	SS22	
Matrix:	Vapor	Vapor	
Dilution Factor:	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)			
1,2-Dichloropropane	<20	<20	2.5
trans-1,3-Dichloropropylene	<20	<20	2.5
cis-1,3-Dichloropropylene	<20	<20	2.5
Dichlorotetrafluoroethane	<28	<28	3.5
1,4-Dioxane	<20	<20	2.5
Ethyl Acetate	<20	<20	2.5
Ethylbenzene	<20	**32**	2.5
4-Ethyltoluene	<20	<20	2.5
Heptane	<20	<20	2.5
Hexachlorobutadiene	<48	<48	6.0
n-Hexane	<20	<20	2.5
2-Hexanone (MBK)	<80	<80	10
Isopropanol (IPA)	<80	**280**	10
Methyl-tert-Butyl Ether (MTBE)	<80	<80	10
Methylene Chloride	<20	<20	2.5
4-Methyl-2-pentanone (MIBK)	<80	<80	10
Naphthalene	<20	<20	2.5
Propylene	<20	<20	2.5
Styrene	<20	<20	2.5
1,1,2,2-Tetrachloroethane	<28	<28	3.5
Tetrachloroethylene (PCE)	**100000**	**23000**	3.5
Tetrahydrofuran (THF)	<20	<20	2.5
Toluene	<20	<20	2.5
1,2,4-Trichlorobenzene	<32	<32	4.0
1,1,2-Trichloroethane	<24	<24	3.0
1,1,1-Trichloroethane	**79**	<24	3.0
Trichloroethylene (TCE)	**18000**	**19000**	3.0

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown
Method: VOCs by GCMS EPA TO-15 (ug/m3)

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21
Units: ug/m³

Date Sampled:	01/10/21	01/10/21	
Date Prepared:	01/18/21	01/18/21	
Date Analyzed:	01/18/21	01/19/21	
AA ID No:	1A11011-29	1A11011-30	
Client ID No:	SS19	SS22	
Matrix:	Vapor	Vapor	
Dilution Factor:	8	8	MRL
TO-15 (ug/m3) SG (TO-15) (continued)			
Trichlorofluoromethane (R11)	**640**	**170**	3.0
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**1600 [1]**	**580**	4.0
1,3,5-Trimethylbenzene	<20	<20	2.5
1,2,4-Trimethylbenzene	<20	<20	2.5
2,2,4-Trimethylpentane	<20	<20	2.5
Vinyl acetate	<20	<20	2.5
Vinyl bromide	<20	<20	2.5
Vinyl chloride	<20	<20	2.5
o-Xylene	**35**	**77**	2.5
m,p-Xylenes	**46**	**140**	5.0
Isobutane	**30**	**41**	2.5
sec-Butylbenzene	<24	<24	3.0
Isopropylbenzene	<20	<20	2.5
n-Propylbenzene	<20	<20	2.5
4-Isopropyltoluene	<24	<24	3.0
1,2,3-Trichloropropane	<24	<24	3.0
Surrogates			**%REC Limits**
4-Bromofluorobenzene	135% [7]	132% [7]	70-130

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1919 - *** DEFAULT PREP ****										
Blank (B1A1919-BLK1)				Prepared & Analyzed: 01/14/21						
Acetone	<10	10	ug/m³							
Allyl chloride	<2.5	2.5	ug/m³							
Benzene	<2.5	2.5	ug/m³							
Benzyl chloride	<2.5	2.5	ug/m³							
Bromodichloromethane	<3.0	3.0	ug/m³							
Bromoform	<5.0	5.0	ug/m³							
Bromomethane	<2.5	2.5	ug/m³							
1,3-Butadiene	<2.5	2.5	ug/m³							
2-Butanone (MEK)	<10	10	ug/m³							
Carbon Disulfide	<2.5	2.5	ug/m³							
Carbon Tetrachloride	<3.5	3.5	ug/m³							
Chlorobenzene	<2.5	2.5	ug/m³							
Chloroethane	<2.5	2.5	ug/m³							
Chloroform	<2.5	2.5	ug/m³							
Chloromethane	<2.5	2.5	ug/m³							
Cyclohexane	<2.5	2.5	ug/m³							
Dibromochloromethane	<2.5	2.5	ug/m³							
1,2-Dibromoethane (EDB)	<4.0	4.0	ug/m³							
1,2-Dichlorobenzene	<3.0	3.0	ug/m³							
1,3-Dichlorobenzene	<3.0	3.0	ug/m³							
1,4-Dichlorobenzene	<3.0	3.0	ug/m³							
Dichlorodifluoromethane (R12)	<2.5	2.5	ug/m³							
1,1-Dichloroethane	<2.5	2.5	ug/m³							
1,2-Dichloroethane (EDC)	<2.5	2.5	ug/m³							
cis-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,1-Dichloroethylene	<2.5	2.5	ug/m³							
trans-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,2-Dichloropropane	<2.5	2.5	ug/m³							
trans-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
cis-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
Dichlorotetrafluoroethane	<3.5	3.5	ug/m³							
1,4-Dioxane	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1919 - *** DEFAULT PREP ****										
Blank (B1A1919-BLK1) Continued				Prepared & Analyzed: 01/14/21						
Ethyl Acetate	<2.5	2.5	ug/m³							
Ethylbenzene	<2.5	2.5	ug/m³							
4-Ethyltoluene	<2.5	2.5	ug/m³							
Heptane	<2.5	2.5	ug/m³							
Hexachlorobutadiene	<6.0	6.0	ug/m³							
n-Hexane	<2.5	2.5	ug/m³							
2-Hexanone (MBK)	<10	10	ug/m³							
Isopropanol (IPA)	<10	10	ug/m³							
Methyl-tert-Butyl Ether (MTBE)	<10	10	ug/m³							
Methylene Chloride	<2.5	2.5	ug/m³							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/m³							
Naphthalene	<2.5	2.5	ug/m³							
Propylene	<2.5	2.5	ug/m³							
Styrene	<2.5	2.5	ug/m³							
1,1,2,2-Tetrachloroethane	<3.5	3.5	ug/m³							
Tetrachloroethylene (PCE)	<3.5	3.5	ug/m³							
Tetrahydrofuran (THF)	<2.5	2.5	ug/m³							
Toluene	<2.5	2.5	ug/m³							
1,2,4-Trichlorobenzene	<4.0	4.0	ug/m³							
1,1,2-Trichloroethane	<3.0	3.0	ug/m³							
1,1,1-Trichloroethane	<3.0	3.0	ug/m³							
Trichloroethylene (TCE)	<3.0	3.0	ug/m³							
Trichlorofluoromethane (R11)	<3.0	3.0	ug/m³							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<4.0	4.0	ug/m³							
1,3,5-Trimethylbenzene	<2.5	2.5	ug/m³							
1,2,4-Trimethylbenzene	<2.5	2.5	ug/m³							
2,2,4-Trimethylpentane	<2.5	2.5	ug/m³							
Vinyl acetate	<2.5	2.5	ug/m³							
Vinyl bromide	<2.5	2.5	ug/m³							
Vinyl chloride	<2.5	2.5	ug/m³							
o-Xylene	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1919 - *** DEFAULT PREP ****										
Blank (B1A1919-BLK1) Continued				Prepared & Analyzed: 01/14/21						
m,p-Xylenes	<5.0	5.0	ug/m³							
Isobutane	<2.5	2.5	ug/m³							
sec-Butylbenzene	<3.0	3.0	ug/m³							
Isopropylbenzene	<2.5	2.5	ug/m³							
n-Propylbenzene	<2.5	2.5	ug/m³							
4-Isopropyltoluene	<3.0	3.0	ug/m³							
1,2,3-Trichloropropane	<3.0	3.0	ug/m³							
Surrogate: 4-Bromofluorobenzene	*40.7*		*ug/m³*	*35.8*		*114*	*70-130*			
LCS (B1A1919-BS1)				Prepared & Analyzed: 01/14/21						
Acetone	**6.60**	10	ug/m³	5.94		111	70-130			
Allyl chloride	**9.67**	2.5	ug/m³	7.83		124	70-130			
Benzene	**9.87**	2.5	ug/m³	7.99		124	70-130			
Benzyl chloride	**15.3**	2.5	ug/m³	11.1		137	70-130			QL-04
Bromodichloromethane	**19.4**	3.0	ug/m³	16.8		116	70-130			
Bromoform	**27.5**	5.0	ug/m³	25.8		106	70-130			
Bromomethane	**11.4**	2.5	ug/m³	9.71		117	70-130			
1,3-Butadiene	**7.01**	2.5	ug/m³	5.53		127	70-130			
2-Butanone (MEK)	**9.44**	10	ug/m³	7.37		128	70-130			
Carbon Disulfide	**9.25**	2.5	ug/m³	7.79		119	70-130			
Carbon Tetrachloride	**17.6**	3.5	ug/m³	15.7		112	70-130			
Chlorobenzene	**13.3**	2.5	ug/m³	11.5		116	70-130			
Chloroethane	**8.84**	2.5	ug/m³	6.60		134	70-130			QL-02
Chloroform	**14.1**	2.5	ug/m³	12.2		116	70-130			
Chloromethane	**6.71**	2.5	ug/m³	5.16		130	70-130			
Cyclohexane	**10.8**	2.5	ug/m³	8.61		126	70-130			
Dibromochloromethane	**22.9**	2.5	ug/m³	21.3		108	70-130			
1,2-Dibromoethane (EDB)	**21.5**	4.0	ug/m³	19.2		112	70-130			
1,2-Dichlorobenzene	**20.3**	3.0	ug/m³	15.0		135	70-130			QL-04
1,3-Dichlorobenzene	**17.8**	3.0	ug/m³	15.0		118	70-130			
1,4-Dichlorobenzene	**18.5**	3.0	ug/m³	15.0		123	70-130			
Dichlorodifluoromethane (R12)	**18.1**	2.5	ug/m³	12.4		146	70-130			QL-06

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1919 - *** DEFAULT PREP ****										
LCS (B1A1919-BS1) Continued				Prepared & Analyzed: 01/14/21						
1,1-Dichloroethane	**12.7**	2.5	ug/m³	10.1		126	70-130			
1,2-Dichloroethane (EDC)	**12.6**	2.5	ug/m³	10.1		124	70-130			
cis-1,2-Dichloroethylene	**12.9**	2.5	ug/m³	9.91		130	70-130			
1,1-Dichloroethylene	**12.6**	2.5	ug/m³	9.91		128	70-130			
trans-1,2-Dichloroethylene	**12.7**	2.5	ug/m³	9.91		128	70-130			
1,2-Dichloropropane	**14.2**	2.5	ug/m³	11.6		123	70-130			
trans-1,3-Dichloropropylene	**13.8**	2.5	ug/m³	11.3		122	70-130			
cis-1,3-Dichloropropylene	**13.6**	2.5	ug/m³	11.3		120	70-130			
Dichlorotetrafluoroethane	**24.1**	3.5	ug/m³	17.5		138	70-130			QL-02
1,4-Dioxane	**9.41**	2.5	ug/m³	9.01		104	70-130			
Ethyl Acetate	**11.1**	2.5	ug/m³	9.01		124	70-130			
Ethylbenzene	**13.9**	2.5	ug/m³	10.9		128	70-130			
4-Ethyltoluene	**14.9**	2.5	ug/m³	12.3		122	70-130			
Heptane	**13.3**	2.5	ug/m³	10.2		130	70-130			
Hexachlorobutadiene	**62.2**	6.0	ug/m³	26.7		233	70-130			QL-04
n-Hexane	**11.3**	2.5	ug/m³	8.81		129	70-130			
2-Hexanone (MBK)	**12.0**	10	ug/m³	10.2		117	70-130			
Isopropanol (IPA)	**7.18**	10	ug/m³	5.41		133	70-130			QL-02
Methyl-tert-Butyl Ether (MTBE)	**22.5**	10	ug/m³	18.0		125	70-130			
Methylene Chloride	**9.83**	2.5	ug/m³	8.68		113	70-130			
4-Methyl-2-pentanone (MIBK)	**12.5**	10	ug/m³	10.2		122	70-130			
Naphthalene	**8.60**	2.5	ug/m³	13.0		66.1	70-130			QL-07
Propylene	**6.23**	2.5	ug/m³	4.30		145	70-130			QL-02
Styrene	**12.7**	2.5	ug/m³	10.6		120	70-130			
1,1,2,2-Tetrachloroethane	**17.5**	3.5	ug/m³	17.2		102	70-130			
Tetrachloroethylene (PCE)	**20.3**	3.5	ug/m³	17.0		120	70-130			
Tetrahydrofuran (THF)	**9.79**	2.5	ug/m³	7.37		133	70-130			QL-02
Toluene	**11.0**	2.5	ug/m³	9.42		116	70-130			
1,2,4-Trichlorobenzene	**38.3**	4.0	ug/m³	18.6		206	70-130			QL-04
1,1,2-Trichloroethane	**15.0**	3.0	ug/m³	13.6		110	70-130			
1,1,1-Trichloroethane	**16.6**	3.0	ug/m³	13.6		122	70-130			
Trichloroethylene (TCE)	**16.9**	3.0	ug/m³	13.4		126	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1919 - *** DEFAULT PREP ****										
LCS (B1A1919-BS1) Continued				Prepared & Analyzed: 01/14/21						
Trichlorofluoromethane (R11)	**15.9**	3.0	ug/m³	14.0		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**19.4**	4.0	ug/m³	19.2		101	70-130			
1,3,5-Trimethylbenzene	**16.0**	2.5	ug/m³	12.3		130	70-130			
1,2,4-Trimethylbenzene	**18.2**	2.5	ug/m³	12.3		148	70-130			QL-04
2,2,4-Trimethylpentane	**12.9**	2.5	ug/m³	11.7		111	70-130			
Vinyl acetate	**9.33**	2.5	ug/m³	7.39		126	70-130			
Vinyl bromide	**13.0**	2.5	ug/m³	10.9		119	70-130			
Vinyl chloride	**8.61**	2.5	ug/m³	6.39		135	70-130			QL-02
o-Xylene	**14.2**	2.5	ug/m³	10.9		131	70-130			QL-02
m,p-Xylenes	**28.7**	5.0	ug/m³	21.7		132	70-130			QL-02
Isobutane	**7.27**	2.5	ug/m³	5.94		122	70-130			
4-Isopropyltoluene	**13.1**	3.0	ug/m³	13.7		95.2	70-130			
1,2,3-Trichloropropane	**15.5**	3.0	ug/m³	15.1		103	70-130			
Surrogate: 4-Bromofluorobenzene	*39.6*		*ug/m³*	*35.8*		*111*	*70-130*			
LCS Dup (B1A1919-BSD1)				Prepared: 01/14/21 Analyzed: 01/15/21						
Acetone	**5.68**	10	ug/m³	5.94		95.6	70-130	15.1	30	
Allyl chloride	**7.29**	2.5	ug/m³	7.83		93.2	70-130	28.0	30	
Benzene	**9.10**	2.5	ug/m³	7.99		114	70-130	8.08	30	
Benzyl chloride	**14.5**	2.5	ug/m³	11.1		131	70-130	4.86	30	QL-04
Bromodichloromethane	**18.7**	3.0	ug/m³	16.8		112	70-130	3.52	30	
Bromoform	**28.6**	5.0	ug/m³	25.8		111	70-130	4.05	30	
Bromomethane	**10.0**	2.5	ug/m³	9.71		103	70-130	12.7	30	
1,3-Butadiene	**6.19**	2.5	ug/m³	5.53		112	70-130	12.4	30	
2-Butanone (MEK)	**8.41**	10	ug/m³	7.37		114	70-130	11.6	30	
Carbon Disulfide	**8.50**	2.5	ug/m³	7.79		109	70-130	8.42	30	
Carbon Tetrachloride	**17.2**	3.5	ug/m³	15.7		109	70-130	2.53	30	
Chlorobenzene	**13.0**	2.5	ug/m³	11.5		113	70-130	2.10	30	
Chloroethane	**7.55**	2.5	ug/m³	6.60		114	70-130	15.8	30	
Chloroform	**13.3**	2.5	ug/m³	12.2		109	70-130	5.69	30	
Chloromethane	**6.28**	2.5	ug/m³	5.16		122	70-130	6.68	30	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1919 - *** DEFAULT PREP ****										
LCS Dup (B1A1919-BSD1) Continued				Prepared: 01/14/21 Analyzed: 01/15/21						
Cyclohexane	**9.50**	2.5	ug/m³	8.61		110	70-130	13.2	30	
Dibromochloromethane	**22.7**	2.5	ug/m³	21.3		106	70-130	1.12	30	
1,2-Dibromoethane (EDB)	**21.7**	4.0	ug/m³	19.2		113	70-130	0.712	30	
1,2-Dichlorobenzene	**21.2**	3.0	ug/m³	15.0		141	70-130	4.34	30	QL-04
1,3-Dichlorobenzene	**17.9**	3.0	ug/m³	15.0		119	70-130	0.673	30	
1,4-Dichlorobenzene	**19.4**	3.0	ug/m³	15.0		129	70-130	4.75	30	
Dichlorodifluoromethane (R12)	**16.4**	2.5	ug/m³	12.4		133	70-130	9.74	30	QL-06
1,1-Dichloroethane	**11.4**	2.5	ug/m³	10.1		113	70-130	11.1	30	
1,2-Dichloroethane (EDC)	**11.7**	2.5	ug/m³	10.1		116	70-130	7.33	30	
cis-1,2-Dichloroethylene	**11.7**	2.5	ug/m³	9.91		118	70-130	10.0	30	
1,1-Dichloroethylene	**11.7**	2.5	ug/m³	9.91		118	70-130	7.48	30	
trans-1,2-Dichloroethylene	**11.5**	2.5	ug/m³	9.91		116	70-130	10.2	30	
1,2-Dichloropropane	**13.4**	2.5	ug/m³	11.6		116	70-130	5.70	30	
trans-1,3-Dichloropropylene	**13.1**	2.5	ug/m³	11.3		115	70-130	5.41	30	
cis-1,3-Dichloropropylene	**13.0**	2.5	ug/m³	11.3		114	70-130	4.78	30	
Dichlorotetrafluoroethane	**20.8**	3.5	ug/m³	17.5		119	70-130	15.0	30	
1,4-Dioxane	**9.41**	2.5	ug/m³	9.01		104	70-130	0.00	30	
Ethyl Acetate	**9.84**	2.5	ug/m³	9.01		109	70-130	12.4	30	
Ethylbenzene	**13.1**	2.5	ug/m³	10.9		120	70-130	5.81	30	
4-Ethyltoluene	**14.4**	2.5	ug/m³	12.3		117	70-130	3.69	30	
Heptane	**12.0**	2.5	ug/m³	10.2		118	70-130	9.71	30	
Hexachlorobutadiene	**65.7**	6.0	ug/m³	26.7		246	70-130	5.50	30	QL-04
n-Hexane	**10.0**	2.5	ug/m³	8.81		114	70-130	12.5	30	
2-Hexanone (MBK)	**11.3**	10	ug/m³	10.2		110	70-130	5.63	30	
Isopropanol (IPA)	**6.05**	10	ug/m³	5.41		112	70-130	17.1	30	
Methyl-tert-Butyl Ether (MTBE)	**20.2**	10	ug/m³	18.0		112	70-130	10.7	30	
Methylene Chloride	**8.16**	2.5	ug/m³	8.68		94.0	70-130	18.5	30	
4-Methyl-2-pentanone (MIBK)	**11.6**	10	ug/m³	10.2		113	70-130	8.16	30	
Naphthalene	**7.44**	2.5	ug/m³	13.0		57.3	70-130	14.4	30	QL-07
Propylene	**5.46**	2.5	ug/m³	4.30		127	70-130	13.3	30	
Styrene	**12.6**	2.5	ug/m³	10.6		118	70-130	1.35	30	
1,1,2,2-Tetrachloroethane	**16.6**	3.5	ug/m³	17.2		96.8	70-130	5.23	30	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1919 - *** DEFAULT PREP ****										
LCS Dup (B1A1919-BSD1) Continued				Prepared: 01/14/21 Analyzed: 01/15/21						
Tetrachloroethylene (PCE)	**19.5**	3.5	ug/m³	17.0		115	70-130	4.10	30	
Tetrahydrofuran (THF)	**8.49**	2.5	ug/m³	7.37		115	70-130	14.2	30	
Toluene	**10.7**	2.5	ug/m³	9.42		113	70-130	2.79	30	
1,2,4-Trichlorobenzene	**38.2**	4.0	ug/m³	18.6		206	70-130	0.194	30	QL-04
1,1,2-Trichloroethane	**15.2**	3.0	ug/m³	13.6		111	70-130	1.09	30	
1,1,1-Trichloroethane	**15.4**	3.0	ug/m³	13.6		113	70-130	7.48	30	
Trichloroethylene (TCE)	**15.2**	3.0	ug/m³	13.4		113	70-130	10.7	30	
Trichlorofluoromethane (R11)	**14.7**	3.0	ug/m³	14.0		104	70-130	8.09	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**19.8**	4.0	ug/m³	19.2		103	70-130	1.96	30	
1,3,5-Trimethylbenzene	**15.8**	2.5	ug/m³	12.3		128	70-130	1.24	30	
1,2,4-Trimethylbenzene	**17.8**	2.5	ug/m³	12.3		145	70-130	2.46	30	QL-04
2,2,4-Trimethylpentane	**12.2**	2.5	ug/m³	11.7		105	70-130	5.57	30	
Vinyl acetate	**8.27**	2.5	ug/m³	7.39		112	70-130	12.0	30	
Vinyl bromide	**11.8**	2.5	ug/m³	10.9		108	70-130	9.86	30	
Vinyl chloride	**7.44**	2.5	ug/m³	6.39		116	70-130	14.6	30	
o-Xylene	**13.6**	2.5	ug/m³	10.9		125	70-130	4.68	30	
m,p-Xylenes	**23.1**	5.0	ug/m³	21.7		106	70-130	21.5	30	
Isobutane	**6.11**	2.5	ug/m³	5.94		103	70-130	17.4	30	
4-Isopropyltoluene	**12.7**	3.0	ug/m³	13.7		92.8	70-130	2.55	30	
1,2,3-Trichloropropane	**14.3**	3.0	ug/m³	15.1		94.8	70-130	8.10	30	
Surrogate: 4-Bromofluorobenzene	*37.4*		*ug/m³*	*35.8*		*105*	*70-130*			
*Batch B1A1920 - *** DEFAULT PREP ****										
Blank (B1A1920-BLK1)				Prepared & Analyzed: 01/15/21						
Acetone	<10	10	ug/m³							
Allyl chloride	<2.5	2.5	ug/m³							
Benzene	<2.5	2.5	ug/m³							
Benzyl chloride	<2.5	2.5	ug/m³							
Bromodichloromethane	<3.0	3.0	ug/m³							
Bromoform	<5.0	5.0	ug/m³							
Bromomethane	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1920 - *** DEFAULT PREP ****										
Blank (B1A1920-BLK1) Continued				Prepared & Analyzed: 01/15/21						
1,3-Butadiene	<2.5	2.5	ug/m³							
2-Butanone (MEK)	<10	10	ug/m³							
Carbon Disulfide	<2.5	2.5	ug/m³							
Carbon Tetrachloride	<3.5	3.5	ug/m³							
Chlorobenzene	<2.5	2.5	ug/m³							
Chloroethane	<2.5	2.5	ug/m³							
Chloroform	<2.5	2.5	ug/m³							
Chloromethane	<2.5	2.5	ug/m³							
Cyclohexane	<2.5	2.5	ug/m³							
Dibromochloromethane	<2.5	2.5	ug/m³							
1,2-Dibromoethane (EDB)	<4.0	4.0	ug/m³							
1,2-Dichlorobenzene	<3.0	3.0	ug/m³							
1,3-Dichlorobenzene	<3.0	3.0	ug/m³							
1,4-Dichlorobenzene	<3.0	3.0	ug/m³							
Dichlorodifluoromethane (R12)	<2.5	2.5	ug/m³							
1,1-Dichloroethane	<2.5	2.5	ug/m³							
1,2-Dichloroethane (EDC)	<2.5	2.5	ug/m³							
cis-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,1-Dichloroethylene	<2.5	2.5	ug/m³							
trans-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,2-Dichloropropane	<2.5	2.5	ug/m³							
trans-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
cis-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
Dichlorotetrafluoroethane	<3.5	3.5	ug/m³							
1,4-Dioxane	<2.5	2.5	ug/m³							
Ethyl Acetate	<2.5	2.5	ug/m³							
Ethylbenzene	<2.5	2.5	ug/m³							
4-Ethyltoluene	<2.5	2.5	ug/m³							
Heptane	<2.5	2.5	ug/m³							
Hexachlorobutadiene	<6.0	6.0	ug/m³							
n-Hexane	<2.5	2.5	ug/m³							
2-Hexanone (MBK)	<10	10	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1920 - *** DEFAULT PREP ****										
Blank (B1A1920-BLK1) Continued				Prepared & Analyzed: 01/15/21						
Isopropanol (IPA)	<10	10	ug/m³							
Methyl-tert-Butyl Ether (MTBE)	<10	10	ug/m³							
Methylene Chloride	<2.5	2.5	ug/m³							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/m³							
Naphthalene	<2.5	2.5	ug/m³							
Propylene	<2.5	2.5	ug/m³							
Styrene	<2.5	2.5	ug/m³							
1,1,2,2-Tetrachloroethane	<3.5	3.5	ug/m³							
Tetrachloroethylene (PCE)	<3.5	3.5	ug/m³							
Tetrahydrofuran (THF)	<2.5	2.5	ug/m³							
Toluene	<2.5	2.5	ug/m³							
1,2,4-Trichlorobenzene	<4.0	4.0	ug/m³							
1,1,2-Trichloroethane	<3.0	3.0	ug/m³							
1,1,1-Trichloroethane	<3.0	3.0	ug/m³							
Trichloroethylene (TCE)	<3.0	3.0	ug/m³							
Trichlorofluoromethane (R11)	<3.0	3.0	ug/m³							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<4.0	4.0	ug/m³							
1,3,5-Trimethylbenzene	<2.5	2.5	ug/m³							
1,2,4-Trimethylbenzene	<2.5	2.5	ug/m³							
2,2,4-Trimethylpentane	<2.5	2.5	ug/m³							
Vinyl acetate	<2.5	2.5	ug/m³							
Vinyl bromide	<2.5	2.5	ug/m³							
Vinyl chloride	<2.5	2.5	ug/m³							
o-Xylene	<2.5	2.5	ug/m³							
m,p-Xylenes	<5.0	5.0	ug/m³							
Isobutane	<2.5	2.5	ug/m³							
sec-Butylbenzene	<3.0	3.0	ug/m³							
Isopropylbenzene	<2.5	2.5	ug/m³							
n-Propylbenzene	<2.5	2.5	ug/m³							
4-Isopropyltoluene	<3.0	3.0	ug/m³							
1,2,3-Trichloropropane	<3.0	3.0	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1920 - *** DEFAULT PREP ****										
Blank (B1A1920-BLK1) Continued				Prepared & Analyzed: 01/15/21						
Surrogate: 4-Bromofluorobenzene	*39.5*		*ug/m³*	*35.8*		*110*	*70-130*			
LCS (B1A1920-BS1)				Prepared: 01/15/21 Analyzed: 01/16/21						
Acetone	**6.27**	10	ug/m³	5.94		106	70-130			
Allyl chloride	**9.64**	2.5	ug/m³	7.83		123	70-130			
Benzene	**9.87**	2.5	ug/m³	7.99		124	70-130			
Benzyl chloride	**15.7**	2.5	ug/m³	11.1		141	70-130			QL-04
Bromodichloromethane	**20.6**	3.0	ug/m³	16.8		123	70-130			
Bromoform	**30.6**	5.0	ug/m³	25.8		118	70-130			
Bromomethane	**11.1**	2.5	ug/m³	9.71		115	70-130			
1,3-Butadiene	**6.77**	2.5	ug/m³	5.53		122	70-130			
2-Butanone (MEK)	**9.38**	10	ug/m³	7.37		127	70-130			
Carbon Disulfide	**9.28**	2.5	ug/m³	7.79		119	70-130			
Carbon Tetrachloride	**19.0**	3.5	ug/m³	15.7		121	70-130			
Chlorobenzene	**13.8**	2.5	ug/m³	11.5		120	70-130			
Chloroethane	**8.29**	2.5	ug/m³	6.60		126	70-130			
Chloroform	**14.8**	2.5	ug/m³	12.2		121	70-130			
Chloromethane	**7.04**	2.5	ug/m³	5.16		136	70-130			QL-06
Cyclohexane	**10.4**	2.5	ug/m³	8.61		121	70-130			
Dibromochloromethane	**25.9**	2.5	ug/m³	21.3		122	70-130			
1,2-Dibromoethane (EDB)	**23.9**	4.0	ug/m³	19.2		124	70-130			
1,2-Dichlorobenzene	**22.5**	3.0	ug/m³	15.0		150	70-130			QL-04
1,3-Dichlorobenzene	**19.9**	3.0	ug/m³	15.0		132	70-130			QL-04
1,4-Dichlorobenzene	**18.2**	3.0	ug/m³	15.0		121	70-130			
Dichlorodifluoromethane (R12)	**18.4**	2.5	ug/m³	12.4		149	70-130			QL-06
1,1-Dichloroethane	**12.7**	2.5	ug/m³	10.1		125	70-130			
1,2-Dichloroethane (EDC)	**12.9**	2.5	ug/m³	10.1		128	70-130			
cis-1,2-Dichloroethylene	**12.8**	2.5	ug/m³	9.91		130	70-130			
1,1-Dichloroethylene	**19.3**	2.5	ug/m³	9.91		195	70-130			QL-06
trans-1,2-Dichloroethylene	**12.6**	2.5	ug/m³	9.91		127	70-130			
1,2-Dichloropropane	**14.6**	2.5	ug/m³	11.6		126	70-130			
trans-1,3-Dichloropropylene	**14.6**	2.5	ug/m³	11.3		129	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1920 - *** DEFAULT PREP ****										
LCS (B1A1920-BS1) Continued				Prepared: 01/15/21 Analyzed: 01/16/21						
cis-1,3-Dichloropropylene	**14.7**	2.5	ug/m³	11.3		130	70-130			
Dichlorotetrafluoroethane	**22.7**	3.5	ug/m³	17.5		130	70-130			
1,4-Dioxane	**10.2**	2.5	ug/m³	9.01		113	70-130			
Ethyl Acetate	**10.7**	2.5	ug/m³	9.01		119	70-130			
Ethylbenzene	**13.9**	2.5	ug/m³	10.9		128	70-130			
4-Ethyltoluene	**15.9**	2.5	ug/m³	12.3		130	70-130			
Heptane	**13.1**	2.5	ug/m³	10.2		128	70-130			
Hexachlorobutadiene	**68.9**	6.0	ug/m³	26.7		258	70-130			QL-04
n-Hexane	**11.0**	2.5	ug/m³	8.81		124	70-130			
2-Hexanone (MBK)	**12.8**	10	ug/m³	10.2		125	70-130			
Isopropanol (IPA)	**6.64**	10	ug/m³	5.41		123	70-130			
Methyl-tert-Butyl Ether (MTBE)	**22.2**	10	ug/m³	18.0		123	70-130			
Methylene Chloride	**8.75**	2.5	ug/m³	8.68		101	70-130			
4-Methyl-2-pentanone (MIBK)	**12.8**	10	ug/m³	10.2		125	70-130			
Naphthalene	**8.65**	2.5	ug/m³	13.0		66.5	70-130			QL-02
Propylene	**6.01**	2.5	ug/m³	4.30		140	70-130			QL-06
Styrene	**13.3**	2.5	ug/m³	10.6		125	70-130			
1,1,2,2-Tetrachloroethane	**17.4**	3.5	ug/m³	17.2		102	70-130			
Tetrachloroethylene (PCE)	**24.8**	3.5	ug/m³	17.0		146	70-130			QL-06
Tetrahydrofuran (THF)	**9.50**	2.5	ug/m³	7.37		129	70-130			
Toluene	**11.6**	2.5	ug/m³	9.42		124	70-130			
1,2,4-Trichlorobenzene	**40.7**	4.0	ug/m³	18.6		219	70-130			QL-04
1,1,2-Trichloroethane	**16.6**	3.0	ug/m³	13.6		122	70-130			
1,1,1-Trichloroethane	**17.4**	3.0	ug/m³	13.6		128	70-130			
Trichloroethylene (TCE)	**18.6**	3.0	ug/m³	13.4		138	70-130			QL-02
Trichlorofluoromethane (R11)	**16.1**	3.0	ug/m³	14.0		115	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**21.2**	4.0	ug/m³	19.2		111	70-130			
1,3,5-Trimethylbenzene	**18.1**	2.5	ug/m³	12.3		147	70-130			QL-04
1,2,4-Trimethylbenzene	**19.0**	2.5	ug/m³	12.3		154	70-130			QL-04
2,2,4-Trimethylpentane	**13.9**	2.5	ug/m³	11.7		119	70-130			
Vinyl acetate	**8.98**	2.5	ug/m³	7.39		121	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1920 - *** DEFAULT PREP ****										
LCS (B1A1920-BS1) Continued				Prepared: 01/15/21 Analyzed: 01/16/21						
Vinyl bromide	**12.9**	2.5	ug/m³	10.9		118	70-130			
Vinyl chloride	**8.13**	2.5	ug/m³	6.39		127	70-130			
o-Xylene	**13.9**	2.5	ug/m³	10.9		128	70-130			
m,p-Xylenes	**24.4**	5.0	ug/m³	21.7		113	70-130			
Isobutane	**6.54**	2.5	ug/m³	5.94		110	70-130			
4-Isopropyltoluene	**13.7**	3.0	ug/m³	13.7		100	70-130			
1,2,3-Trichloropropane	**15.7**	3.0	ug/m³	15.1		104	70-130			
Surrogate: 4-Bromofluorobenzene	*37.9*		*ug/m³*	*35.8*		*106*	*70-130*			
LCS Dup (B1A1920-BSD1)				Prepared: 01/15/21 Analyzed: 01/16/21						
Acetone	**6.58**	10	ug/m³	5.94		111	70-130	4.81	30	
Allyl chloride	**10.6**	2.5	ug/m³	7.83		135	70-130	9.29	30	QL-03
Benzene	**10.2**	2.5	ug/m³	7.99		128	70-130	3.18	30	
Benzyl chloride	**15.9**	2.5	ug/m³	11.1		143	70-130	1.64	30	QL-04
Bromodichloromethane	**20.2**	3.0	ug/m³	16.8		121	70-130	1.97	30	
Bromoform	**30.1**	5.0	ug/m³	25.8		116	70-130	1.70	30	
Bromomethane	**11.3**	2.5	ug/m³	9.71		116	70-130	1.38	30	
1,3-Butadiene	**6.79**	2.5	ug/m³	5.53		123	70-130	0.326	30	
2-Butanone (MEK)	**9.41**	10	ug/m³	7.37		128	70-130	0.314	30	
Carbon Disulfide	**9.50**	2.5	ug/m³	7.79		122	70-130	2.32	30	
Carbon Tetrachloride	**18.9**	3.5	ug/m³	15.7		120	70-130	0.332	30	
Chlorobenzene	**13.6**	2.5	ug/m³	11.5		118	70-130	1.34	30	
Chloroethane	**8.47**	2.5	ug/m³	6.60		128	70-130	2.20	30	
Chloroform	**14.9**	2.5	ug/m³	12.2		122	70-130	0.658	30	
Chloromethane	**7.41**	2.5	ug/m³	5.16		144	70-130	5.14	30	QL-06
Cyclohexane	**10.6**	2.5	ug/m³	8.61		123	70-130	1.31	30	
Dibromochloromethane	**25.4**	2.5	ug/m³	21.3		119	70-130	1.99	30	
1,2-Dibromoethane (EDB)	**23.8**	4.0	ug/m³	19.2		124	70-130	0.322	30	
1,2-Dichlorobenzene	**22.8**	3.0	ug/m³	15.0		152	70-130	1.33	30	QL-04
1,3-Dichlorobenzene	**19.7**	3.0	ug/m³	15.0		131	70-130	1.22	30	QL-04
1,4-Dichlorobenzene	**20.4**	3.0	ug/m³	15.0		136	70-130	11.5	30	QL-03
Dichlorodifluoromethane (R12)	**18.9**	2.5	ug/m³	12.4		153	70-130	2.65	30	QL-06

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1920 - *** DEFAULT PREP ****										
LCS Dup (B1A1920-BSD1) Continued				Prepared: 01/15/21 Analyzed: 01/16/21						
1,1-Dichloroethane	**12.6**	2.5	ug/m³	10.1		125	70-130	0.320	30	
1,2-Dichloroethane (EDC)	**13.0**	2.5	ug/m³	10.1		128	70-130	0.625	30	
cis-1,2-Dichloroethylene	**13.1**	2.5	ug/m³	9.91		132	70-130	2.14	30	QL-03
1,1-Dichloroethylene	**18.7**	2.5	ug/m³	9.91		189	70-130	3.33	30	QL-06
trans-1,2-Dichloroethylene	**12.4**	2.5	ug/m³	9.91		126	70-130	0.951	30	
1,2-Dichloropropane	**14.1**	2.5	ug/m³	11.6		122	70-130	2.90	30	
trans-1,3-Dichloropropylene	**14.3**	2.5	ug/m³	11.3		126	70-130	2.20	30	
cis-1,3-Dichloropropylene	**14.1**	2.5	ug/m³	11.3		124	70-130	4.09	30	
Dichlorotetrafluoroethane	**22.8**	3.5	ug/m³	17.5		130	70-130	0.307	30	
1,4-Dioxane	**10.6**	2.5	ug/m³	9.01		118	70-130	4.51	30	
Ethyl Acetate	**10.8**	2.5	ug/m³	9.01		120	70-130	1.34	30	
Ethylbenzene	**13.7**	2.5	ug/m³	10.9		126	70-130	1.57	30	
4-Ethyltoluene	**15.4**	2.5	ug/m³	12.3		126	70-130	3.13	30	
Heptane	**13.0**	2.5	ug/m³	10.2		126	70-130	1.26	30	
Hexachlorobutadiene	**71.3**	6.0	ug/m³	26.7		268	70-130	3.50	30	QL-04
n-Hexane	**11.0**	2.5	ug/m³	8.81		125	70-130	0.321	30	
2-Hexanone (MBK)	**12.9**	10	ug/m³	10.2		126	70-130	1.27	30	
Isopropanol (IPA)	**6.93**	10	ug/m³	5.41		128	70-130	4.35	30	
Methyl-tert-Butyl Ether (MTBE)	**22.3**	10	ug/m³	18.0		124	70-130	0.486	30	
Methylene Chloride	**9.07**	2.5	ug/m³	8.68		104	70-130	3.51	30	
4-Methyl-2-pentanone (MIBK)	**12.7**	10	ug/m³	10.2		124	70-130	0.643	30	
Naphthalene	**9.44**	2.5	ug/m³	13.0		72.6	70-130	8.70	30	
Propylene	**6.09**	2.5	ug/m³	4.30		142	70-130	1.42	30	QL-06
Styrene	**13.2**	2.5	ug/m³	10.6		124	70-130	0.963	30	
1,1,2,2-Tetrachloroethane	**17.5**	3.5	ug/m³	17.2		102	70-130	0.393	30	
Tetrachloroethylene (PCE)	**22.3**	3.5	ug/m³	17.0		131	70-130	10.7	30	QL-06
Tetrahydrofuran (THF)	**9.44**	2.5	ug/m³	7.37		128	70-130	0.623	30	
Toluene	**11.4**	2.5	ug/m³	9.42		121	70-130	1.96	30	
1,2,4-Trichlorobenzene	**43.8**	4.0	ug/m³	18.6		236	70-130	7.38	30	QL-04
1,1,2-Trichloroethane	**16.5**	3.0	ug/m³	13.6		121	70-130	0.329	30	
1,1,1-Trichloroethane	**17.5**	3.0	ug/m³	13.6		128	70-130	0.313	30	
Trichloroethylene (TCE)	**16.8**	3.0	ug/m³	13.4		125	70-130	10.3	30	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1920 - *** DEFAULT PREP ****										
LCS Dup (B1A1920-BSD1) Continued				Prepared: 01/15/21 Analyzed: 01/16/21						
Trichlorofluoromethane (R11)	**16.6**	3.0	ug/m³	14.0		118	70-130	2.75	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**21.4**	4.0	ug/m³	19.2		112	70-130	0.719	30	
1,3,5-Trimethylbenzene	**21.7**	2.5	ug/m³	12.3		176	70-130	18.0	30	QL-04
1,2,4-Trimethylbenzene	**18.8**	2.5	ug/m³	12.3		153	70-130	1.04	30	QL-04
2,2,4-Trimethylpentane	**13.3**	2.5	ug/m³	11.7		114	70-130	4.46	30	
Vinyl acetate	**9.12**	2.5	ug/m³	7.39		123	70-130	1.56	30	
Vinyl bromide	**13.3**	2.5	ug/m³	10.9		122	70-130	2.67	30	
Vinyl chloride	**8.36**	2.5	ug/m³	6.39		131	70-130	2.79	30	QL-03
o-Xylene	**14.4**	2.5	ug/m³	10.9		132	70-130	3.38	30	QL-03
m,p-Xylenes	**28.8**	5.0	ug/m³	21.7		133	70-130	16.5	30	QL-03
Isobutane	**6.58**	2.5	ug/m³	5.94		111	70-130	0.725	30	
4-Isopropyltoluene	**13.9**	3.0	ug/m³	13.7		101	70-130	1.19	30	
1,2,3-Trichloropropane	**15.2**	3.0	ug/m³	15.1		101	70-130	3.13	30	
Surrogate: 4-Bromofluorobenzene	*37.9*		*ug/m³*	*35.8*		*106*	*70-130*			
*Batch B1A1921 - *** DEFAULT PREP ****										
Blank (B1A1921-BLK1)				Prepared & Analyzed: 01/18/21						
Acetone	<10	10	ug/m³							
Allyl chloride	<2.5	2.5	ug/m³							
Benzene	<2.5	2.5	ug/m³							
Benzyl chloride	<2.5	2.5	ug/m³							
Bromodichloromethane	<3.0	3.0	ug/m³							
Bromoform	<5.0	5.0	ug/m³							
Bromomethane	<2.5	2.5	ug/m³							
1,3-Butadiene	<2.5	2.5	ug/m³							
2-Butanone (MEK)	<10	10	ug/m³							
Carbon Disulfide	<2.5	2.5	ug/m³							
Carbon Tetrachloride	<3.5	3.5	ug/m³							
Chlorobenzene	<2.5	2.5	ug/m³							
Chloroethane	<2.5	2.5	ug/m³							
Chloroform	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1921 - *** DEFAULT PREP ****										
Blank (B1A1921-BLK1) Continued				Prepared & Analyzed: 01/18/21						
Chloromethane	<2.5	2.5	ug/m³							
Cyclohexane	<2.5	2.5	ug/m³							
Dibromochloromethane	<2.5	2.5	ug/m³							
1,2-Dibromoethane (EDB)	<4.0	4.0	ug/m³							
1,2-Dichlorobenzene	<3.0	3.0	ug/m³							
1,3-Dichlorobenzene	<3.0	3.0	ug/m³							
1,4-Dichlorobenzene	<3.0	3.0	ug/m³							
Dichlorodifluoromethane (R12)	<2.5	2.5	ug/m³							
1,1-Dichloroethane	<2.5	2.5	ug/m³							
1,2-Dichloroethane (EDC)	<2.5	2.5	ug/m³							
cis-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,1-Dichloroethylene	<2.5	2.5	ug/m³							
trans-1,2-Dichloroethylene	<2.5	2.5	ug/m³							
1,2-Dichloropropane	<2.5	2.5	ug/m³							
trans-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
cis-1,3-Dichloropropylene	<2.5	2.5	ug/m³							
Dichlorotetrafluoroethane	<3.5	3.5	ug/m³							
1,4-Dioxane	<2.5	2.5	ug/m³							
Ethyl Acetate	<2.5	2.5	ug/m³							
Ethylbenzene	<2.5	2.5	ug/m³							
4-Ethyltoluene	<2.5	2.5	ug/m³							
Heptane	<2.5	2.5	ug/m³							
Hexachlorobutadiene	<6.0	6.0	ug/m³							
n-Hexane	<2.5	2.5	ug/m³							
2-Hexanone (MBK)	<10	10	ug/m³							
Isopropanol (IPA)	<10	10	ug/m³							
Methyl-tert-Butyl Ether (MTBE)	<10	10	ug/m³							
Methylene Chloride	<2.5	2.5	ug/m³							
4-Methyl-2-pentanone (MIBK)	<10	10	ug/m³							
Naphthalene	<2.5	2.5	ug/m³							
Propylene	<2.5	2.5	ug/m³							
Styrene	<2.5	2.5	ug/m³							

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1921 - *** DEFAULT PREP ****										
Blank (B1A1921-BLK1) Continued				Prepared & Analyzed: 01/18/21						
1,1,2,2-Tetrachloroethane	<3.5	3.5	ug/m³							
Tetrachloroethylene (PCE)	<3.5	3.5	ug/m³							
Tetrahydrofuran (THF)	<2.5	2.5	ug/m³							
Toluene	<2.5	2.5	ug/m³							
1,2,4-Trichlorobenzene	<4.0	4.0	ug/m³							
1,1,2-Trichloroethane	<3.0	3.0	ug/m³							
1,1,1-Trichloroethane	<3.0	3.0	ug/m³							
Trichloroethylene (TCE)	<3.0	3.0	ug/m³							
Trichlorofluoromethane (R11)	<3.0	3.0	ug/m³							
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	<4.0	4.0	ug/m³							
1,3,5-Trimethylbenzene	<2.5	2.5	ug/m³							
1,2,4-Trimethylbenzene	<2.5	2.5	ug/m³							
2,2,4-Trimethylpentane	<2.5	2.5	ug/m³							
Vinyl acetate	<2.5	2.5	ug/m³							
Vinyl bromide	<2.5	2.5	ug/m³							
Vinyl chloride	<2.5	2.5	ug/m³							
o-Xylene	<2.5	2.5	ug/m³							
m,p-Xylenes	<5.0	5.0	ug/m³							
Isobutane	<2.5	2.5	ug/m³							
sec-Butylbenzene	<3.0	3.0	ug/m³							
Isopropylbenzene	<2.5	2.5	ug/m³							
n-Propylbenzene	<2.5	2.5	ug/m³							
4-Isopropyltoluene	<3.0	3.0	ug/m³							
1,2,3-Trichloropropane	<3.0	3.0	ug/m³							
Surrogate: 4-Bromofluorobenzene	*42.4*		*ug/m³*	*35.8*		*118*	*70-130*			
LCS (B1A1921-BS1)				Prepared: 01/18/21		Analyzed: 01/19/21				
Acetone	**6.06**	10	ug/m³	5.94		102	70-130			
Allyl chloride	**8.58**	2.5	ug/m³	7.83		110	70-130			
Benzene	**8.82**	2.5	ug/m³	7.99		110	70-130			
Benzyl chloride	**14.2**	2.5	ug/m³	11.1		128	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1921 - *** DEFAULT PREP ****										
LCS (B1A1921-BS1) Continued				Prepared: 01/18/21 Analyzed: 01/19/21						
Bromodichloromethane	**18.8**	3.0	ug/m³	16.8		112	70-130			
Bromoform	**27.4**	5.0	ug/m³	25.8		106	70-130			
Bromomethane	**10.3**	2.5	ug/m³	9.71		106	70-130			
1,3-Butadiene	**6.19**	2.5	ug/m³	5.53		112	70-130			
2-Butanone (MEK)	**8.23**	10	ug/m³	7.37		112	70-130			
Carbon Disulfide	**8.28**	2.5	ug/m³	7.79		106	70-130			
Carbon Tetrachloride	**16.9**	3.5	ug/m³	15.7		108	70-130			
Chlorobenzene	**11.9**	2.5	ug/m³	11.5		103	70-130			
Chloroethane	**7.78**	2.5	ug/m³	6.60		118	70-130			
Chloroform	**13.1**	2.5	ug/m³	12.2		108	70-130			
Chloromethane	**6.61**	2.5	ug/m³	5.16		128	70-130			
Cyclohexane	**9.09**	2.5	ug/m³	8.61		106	70-130			
Dibromochloromethane	**22.7**	2.5	ug/m³	21.3		107	70-130			
1,2-Dibromoethane (EDB)	**20.8**	4.0	ug/m³	19.2		108	70-130			
1,2-Dichlorobenzene	**20.0**	3.0	ug/m³	15.0		133	70-130			QL-04
1,3-Dichlorobenzene	**17.7**	3.0	ug/m³	15.0		118	70-130			
1,4-Dichlorobenzene	**18.5**	3.0	ug/m³	15.0		123	70-130			
Dichlorodifluoromethane (R12)	**16.6**	2.5	ug/m³	12.4		134	70-130			QL-04, QL-06
1,1-Dichloroethane	**11.1**	2.5	ug/m³	10.1		110	70-130			
1,2-Dichloroethane (EDC)	**11.7**	2.5	ug/m³	10.1		116	70-130			
cis-1,2-Dichloroethylene	**11.1**	2.5	ug/m³	9.91		112	70-130			
1,1-Dichloroethylene	**12.1**	2.5	ug/m³	9.91		122	70-130			
trans-1,2-Dichloroethylene	**11.0**	2.5	ug/m³	9.91		111	70-130			
1,2-Dichloropropane	**12.6**	2.5	ug/m³	11.6		109	70-130			
trans-1,3-Dichloropropylene	**12.8**	2.5	ug/m³	11.3		112	70-130			
cis-1,3-Dichloropropylene	**12.7**	2.5	ug/m³	11.3		112	70-130			
Dichlorotetrafluoroethane	**20.8**	3.5	ug/m³	17.5		119	70-130			
1,4-Dioxane	**9.84**	2.5	ug/m³	9.01		109	70-130			
Ethyl Acetate	**9.23**	2.5	ug/m³	9.01		102	70-130			
Ethylbenzene	**12.2**	2.5	ug/m³	10.9		112	70-130			
4-Ethyltoluene	**14.1**	2.5	ug/m³	12.3		114	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1921 - *** DEFAULT PREP ****										
LCS (B1A1921-BS1) Continued				Prepared: 01/18/21 Analyzed: 01/19/21						
Heptane	**11.3**	2.5	ug/m³	10.2		110	70-130			
Hexachlorobutadiene	**63.4**	6.0	ug/m³	26.7		238	70-130			QL-04
n-Hexane	**9.52**	2.5	ug/m³	8.81		108	70-130			
2-Hexanone (MBK)	**11.5**	10	ug/m³	10.2		112	70-130			
Isopropanol (IPA)	**6.37**	10	ug/m³	5.41		118	70-130			
Methyl-tert-Butyl Ether (MTBE)	**19.3**	10	ug/m³	18.0		107	70-130			
Methylene Chloride	**8.72**	2.5	ug/m³	8.68		100	70-130			
4-Methyl-2-pentanone (MIBK)	**11.1**	10	ug/m³	10.2		108	70-130			
Naphthalene	**9.54**	2.5	ug/m³	13.0		73.4	70-130			
Propylene	**5.20**	2.5	ug/m³	4.30		121	70-130			
Styrene	**11.9**	2.5	ug/m³	10.6		112	70-130			
1,1,2,2-Tetrachloroethane	**15.3**	3.5	ug/m³	17.2		89.2	70-130			
Tetrachloroethylene (PCE)	**18.6**	3.5	ug/m³	17.0		110	70-130			
Tetrahydrofuran (THF)	**8.35**	2.5	ug/m³	7.37		113	70-130			
Toluene	**10.2**	2.5	ug/m³	9.42		108	70-130			
1,2,4-Trichlorobenzene	**39.9**	4.0	ug/m³	18.6		215	70-130			QL-04
1,1,2-Trichloroethane	**14.5**	3.0	ug/m³	13.6		106	70-130			
1,1,1-Trichloroethane	**15.4**	3.0	ug/m³	13.6		113	70-130			
Trichloroethylene (TCE)	**14.8**	3.0	ug/m³	13.4		110	70-130			
Trichlorofluoromethane (R11)	**15.6**	3.0	ug/m³	14.0		111	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**19.4**	4.0	ug/m³	19.2		101	70-130			
1,3,5-Trimethylbenzene	**16.8**	2.5	ug/m³	12.3		136	70-130			QL-04
1,2,4-Trimethylbenzene	**16.6**	2.5	ug/m³	12.3		135	70-130			QL-04
2,2,4-Trimethylpentane	**12.3**	2.5	ug/m³	11.7		105	70-130			
Vinyl acetate	**7.85**	2.5	ug/m³	7.39		106	70-130			
Vinyl bromide	**12.2**	2.5	ug/m³	10.9		112	70-130			
Vinyl chloride	**7.52**	2.5	ug/m³	6.39		118	70-130			
o-Xylene	**12.6**	2.5	ug/m³	10.9		116	70-130			
m,p-Xylenes	**24.7**	5.0	ug/m³	21.7		114	70-130			
Isobutane	**6.11**	2.5	ug/m³	5.94		103	70-130			
4-Isopropyltoluene	**12.0**	3.0	ug/m³	13.7		87.6	70-130			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1921 - *** DEFAULT PREP ****										
LCS (B1A1921-BS1) Continued				Prepared: 01/18/21 Analyzed: 01/19/21						
1,2,3-Trichloropropane	**13.9**	3.0	ug/m³	15.1		92.0	70-130			
Surrogate: 4-Bromofluorobenzene	*40.2*		*ug/m³*	*35.8*		*112*	*70-130*			
LCS Dup (B1A1921-BSD1)				Prepared: 01/18/21 Analyzed: 01/19/21						
Acetone	**6.22**	10	ug/m³	5.94		105	70-130	2.71	30	
Allyl chloride	**9.98**	2.5	ug/m³	7.83		128	70-130	15.2	30	
Benzene	**8.91**	2.5	ug/m³	7.99		112	70-130	1.08	30	
Benzyl chloride	**14.8**	2.5	ug/m³	11.1		133	70-130	3.57	30	QL-03
Bromodichloromethane	**18.8**	3.0	ug/m³	16.8		112	70-130	0.00	30	
Bromoform	**27.9**	5.0	ug/m³	25.8		108	70-130	1.87	30	
Bromomethane	**10.6**	2.5	ug/m³	9.71		109	70-130	2.23	30	
1,3-Butadiene	**6.26**	2.5	ug/m³	5.53		113	70-130	1.07	30	
2-Butanone (MEK)	**8.41**	10	ug/m³	7.37		114	70-130	2.13	30	
Carbon Disulfide	**8.56**	2.5	ug/m³	7.79		110	70-130	3.33	30	
Carbon Tetrachloride	**17.6**	3.5	ug/m³	15.7		112	70-130	3.65	30	
Chlorobenzene	**12.2**	2.5	ug/m³	11.5		106	70-130	3.05	30	
Chloroethane	**7.94**	2.5	ug/m³	6.60		120	70-130	2.01	30	
Chloroform	**13.3**	2.5	ug/m³	12.2		109	70-130	1.11	30	
Chloromethane	**6.69**	2.5	ug/m³	5.16		130	70-130	1.24	30	
Cyclohexane	**9.12**	2.5	ug/m³	8.61		106	70-130	0.378	30	
Dibromochloromethane	**23.5**	2.5	ug/m³	21.3		110	70-130	3.31	30	
1,2-Dibromoethane (EDB)	**21.7**	4.0	ug/m³	19.2		113	70-130	3.98	30	
1,2-Dichlorobenzene	**21.0**	3.0	ug/m³	15.0		140	70-130	4.98	30	QL-04
1,3-Dichlorobenzene	**18.5**	3.0	ug/m³	15.0		123	70-130	3.99	30	
1,4-Dichlorobenzene	**19.1**	3.0	ug/m³	15.0		127	70-130	3.19	30	
Dichlorodifluoromethane (R12)	**16.8**	2.5	ug/m³	12.4		136	70-130	1.18	30	QL-04, QL-06
1,1-Dichloroethane	**11.3**	2.5	ug/m³	10.1		112	70-130	1.81	30	
1,2-Dichloroethane (EDC)	**11.8**	2.5	ug/m³	10.1		117	70-130	0.687	30	
cis-1,2-Dichloroethylene	**11.5**	2.5	ug/m³	9.91		116	70-130	3.87	30	
1,1-Dichloroethylene	**12.1**	2.5	ug/m³	9.91		122	70-130	0.00	30	
trans-1,2-Dichloroethylene	**11.1**	2.5	ug/m³	9.91		112	70-130	1.07	30	

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control

*Batch B1A1921 - *** DEFAULT PREP ****

LCS Dup (B1A1921-BSD1) Continued Prepared: 01/18/21 Analyzed: 01/19/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloropropane	**12.9**	2.5	ug/m³	11.6		112	70-130	2.90	30	
trans-1,3-Dichloropropylene	**13.3**	2.5	ug/m³	11.3		118	70-130	4.52	30	
cis-1,3-Dichloropropylene	**13.0**	2.5	ug/m³	11.3		115	70-130	2.83	30	
Dichlorotetrafluoroethane	**20.9**	3.5	ug/m³	17.5		120	70-130	0.671	30	
1,4-Dioxane	**10.1**	2.5	ug/m³	9.01		112	70-130	2.89	30	
Ethyl Acetate	**9.44**	2.5	ug/m³	9.01		105	70-130	2.32	30	
Ethylbenzene	**12.6**	2.5	ug/m³	10.9		116	70-130	3.15	30	
4-Ethyltoluene	**14.4**	2.5	ug/m³	12.3		117	70-130	2.08	30	
Heptane	**11.7**	2.5	ug/m³	10.2		114	70-130	3.56	30	
Hexachlorobutadiene	**65.5**	6.0	ug/m³	26.7		246	70-130	3.31	30	QL-04
n-Hexane	**9.62**	2.5	ug/m³	8.81		109	70-130	1.10	30	
2-Hexanone (MBK)	**12.0**	10	ug/m³	10.2		118	70-130	4.52	30	
Isopropanol (IPA)	**6.29**	10	ug/m³	5.41		116	70-130	1.17	30	
Methyl-tert-Butyl Ether (MTBE)	**19.7**	10	ug/m³	18.0		109	70-130	2.04	30	
Methylene Chloride	**8.72**	2.5	ug/m³	8.68		100	70-130	0.00	30	
4-Methyl-2-pentanone (MIBK)	**11.6**	10	ug/m³	10.2		113	70-130	4.70	30	
Naphthalene	**10.4**	2.5	ug/m³	13.0		80.2	70-130	8.92	30	
Propylene	**5.23**	2.5	ug/m³	4.30		122	70-130	0.660	30	
Styrene	**12.3**	2.5	ug/m³	10.6		115	70-130	3.17	30	
1,1,2,2-Tetrachloroethane	**15.9**	3.5	ug/m³	17.2		92.4	70-130	3.52	30	
Tetrachloroethylene (PCE)	**18.5**	3.5	ug/m³	17.0		109	70-130	0.366	30	
Tetrahydrofuran (THF)	**8.29**	2.5	ug/m³	7.37		112	70-130	0.709	30	
Toluene	**10.5**	2.5	ug/m³	9.42		112	70-130	3.28	30	
1,2,4-Trichlorobenzene	**41.1**	4.0	ug/m³	18.6		222	70-130	3.12	30	QL-04
1,1,2-Trichloroethane	**15.1**	3.0	ug/m³	13.6		110	70-130	3.69	30	
1,1,1-Trichloroethane	**15.6**	3.0	ug/m³	13.6		114	70-130	1.06	30	
Trichloroethylene (TCE)	**14.8**	3.0	ug/m³	13.4		110	70-130	0.00	30	
Trichlorofluoromethane (R11)	**15.7**	3.0	ug/m³	14.0		112	70-130	0.717	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (R113)	**19.6**	4.0	ug/m³	19.2		102	70-130	1.18	30	
1,3,5-Trimethylbenzene	**17.5**	2.5	ug/m³	12.3		142	70-130	4.02	30	QL-04
1,2,4-Trimethylbenzene	**17.3**	2.5	ug/m³	12.3		140	70-130	4.07	30	QL-04

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client: Frey Environmental Inc
Project No: 822-05
Project Name: Middletown

AA Project No: A535364
Date Received: 01/11/21
Date Reported: 01/28/21

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
VOCs by GCMS EPA TO-15 (ug/m3) - Quality Control										
*Batch B1A1921 - *** DEFAULT PREP ****										
LCS Dup (B1A1921-BSD1) Continued				Prepared: 01/18/21 Analyzed: 01/19/21						
2,2,4-Trimethylpentane	**12.8**	2.5	ug/m³	11.7		109	70-130	3.73	30	
Vinyl acetate	**8.03**	2.5	ug/m³	7.39		109	70-130	2.22	30	
Vinyl bromide	**12.8**	2.5	ug/m³	10.9		117	70-130	4.54	30	
Vinyl chloride	**7.44**	2.5	ug/m³	6.39		116	70-130	1.03	30	
o-Xylene	**12.9**	2.5	ug/m³	10.9		119	70-130	2.72	30	
m,p-Xylenes	**25.3**	5.0	ug/m³	21.7		117	70-130	2.43	30	
Isobutane	**6.06**	2.5	ug/m³	5.94		102	70-130	0.781	30	
4-Isopropyltoluene	**12.5**	3.0	ug/m³	13.7		91.2	70-130	4.03	30	
1,2,3-Trichloropropane	**14.4**	3.0	ug/m³	15.1		95.2	70-130	3.42	30	
Surrogate: 4-Bromofluorobenzene	*40.3*		*ug/m³*	*35.8*		*113*	*70-130*			

Allen Aminian
QA/QC Manager

LABORATORY ANALYSIS RESULTS

Client:	Frey Environmental Inc	**AA Project No:**	A535364
Project No:	822-05	**Date Received:**	01/11/21
Project Name:	Middletown	**Date Reported:**	01/28/21

Special Notes

[1] =	**E**	:	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
[2] =	**QL-02**	:	The recovery for this analyte is outside of the acceptance control limits for the LCS. The data was validated based on the acceptable recovery for this analyte in the LCSD.
[3] =	**QL-03**	:	The recovery for this analyte is outside of the acceptance control limits for the LCSD. The data was validated based on the acceptable recovery for this analyte in the LCS.
[4] =	**QL-04**	:	The recovery for this analyte in the LCS and LCSD is marginally above the upper control limit. Since the analyte was not detected in any of the associated samples, the analytical results for this analyte are valid.
[5] =	**QL-06**	:	The recovery for this analyte in the LCS and LCSD is marginally above the upper control limit, therefore the reported concentration for this analyte may be biased high.
[6] =	**QL-07**	:	The recovery for this analyte in the LCS and LCSD is marginally below the lower control limit, therefore the reported concentration for this analyte may be biased low.
[7] =	**S-04**	:	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

Allen Aminian
QA/QC Manager

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

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A.A. COC No.: 21900
70057736
Page 1 of 2

Client:	Frey Environmental	Project Name / No.:	Middletown 822-05	Sampler's Name:	Chris Melendez
Project Manager:	John Payne	Site Address:		Sampler's Signature:	
Phone:		City:		P.O. No.:	
Fax:		State & Zip:		Quote No.:	

TAT Turnaround Codes **

(1) = Same Day Rush
(2) = 24 Hour Rush
(3) = 48 Hour Rush
(4) = 72 Hour Rush
(5) = 5 Day Rush
X = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260 TDS										Special Instructions
SS1	1A11011 -01	1-10-21	9:40	✓	1	X										
SS2	-02	↓	10:00	↓	↓	↓										
SS3	-03		10:20													
SS4	-04		10:51													
SS5	-05		11:23													
SS6	-06		11:42													
SS7	-07		12:00													
SS8	-08		12:17													
SS9	-09		16:36													
SS10	-10	↓	16:53	↓	↓	↓										
SS20 DUP	-11	1-11-21	13:05													
SS25 DUP	-12	↓	13:25													
SS17 DUP	-13	↓	13:39	↓	↓	↓										
SS19	-29		17:10		X	X										
~~SS21~~ SS22	-30 ~~-30~~	↓	~~8:38~~ 9:25		X	X										
~~SS26~~	~~-31~~		~~10:30~~													

For Laboratory Use	Relinquished by	Date	Time	Received by
RECEIVED Date 1/13/21 Time 11:53 TAT 5 Days Sign:		1-11-21	1300	
	Relinquished by	Date	Time	Received by
		1-11-21	1572	
A.A. Project No.: ~~1A11011~~ A5 35364/1A11011	Relinquished by	Date	Time	Received by

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311
Tel: 818-998-5547 FAX: 818-998-7258

A.A. COC No.: 21901
70057816

Client:	Fry Environmental	Project Name / No.:	Middletown 822-05	Sampler's Name:	Chris Melendez
Project Manager:	John Payne	Site Address:		Sampler's Signature:	
Phone:		City:		P.O. No.:	
Fax:		State & Zip:		Quote No.:	

TAT Turnaround Codes **

(1) = Same Day Rush
(2) = 24 Hour Rush
(3) = 48 Hour Rush
(4) = 72 Hour Rush
(5) = 5 Day Rush
(X) = 10 Working Days (Standard TAT)

ANALYSIS REQUESTED (Test Name)

Please enter the TAT Turnaround Codes ** below

Client I.D.	A.A. I.D.	Date	Time	Sample Matrix	No. of Cont	8260 TDS									Special Instructions
[redacted] 5511	1A11011 -19	1-11-21	11:20	V	[redacted]	X									
5512	-15		11:39												
5513	-16		12:08												
5514	-17		12:21												
5515	-18		10:54												
5516	-19		6:42												
5517	-20		6:58												
5518	-21		7:55												
5520	-22		9:27												
5521	-23		8:38												
5523	-24		7:36												
5524	-25		9:00												[illegible]
5525	-26		9:12												
5526	-27		10:30												
5527	-28		7:15												

For Laboratory Use

Date 1/13/21 Time 11:53
TAT 5 Days Sign

A.A. Project No.: A5353641/1A11011

Relinquished by	Date	Time	Received by
	1-11-21	13:00	
Relinquished by	Date	Time	Received by
	1-11-21	1512	
Relinquished by	Date	Time	Received by

Note: By relinquishing samples to American Analytics, client agrees to pay for the services requested on this chain of custody form and any additional client-requested analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 45 days following the submittal of the sample(s) to American Analytics.

AMBIENT AIR SAMPLE LABORATORY REPORT

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-48680-1
Client Project/Site: Middletown / 822-05

For:
Frey Environmental
2817-A La Fayette Ave
Newport Beach, California 92663

Attn: John Payne

Authorized for release by:
1/31/2021 9:36:27 AM

Stephen Nowak, Project Manager I
(714)895-5494
Stephen.Nowak@eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 570-48680-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-48680-1

Comments
No additional comments.

Receipt
The samples were received on 1/18/2021 7:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 22.0º C.

Air Toxics
Method TO-15 SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-124595 recovered outside control limits for the following analytes: Hexachloro-1,3-butadiene. Associated samples were non-detects for the affected analytes.

IA11 (570-48680-11), IA12 (570-48680-12), IA13 (570-48680-13), IA14 (570-48680-14), IA15 (570-48680-15), IA16 (570-48680-16), IA17 (570-48680-17), IA18 (570-48680-18), IA19 (570-48680-19), IA20 (570-48680-20), IA21 (570-48680-21), IA22 (570-48680-22), IA23 (570-48680-23), IA24 (570-48680-24), IA25 (570-48680-25), IA26 (570-48680-26), IA27 (570-48680-27), (LCS 570-124595/5), (LCSD 570-124595/6) and (MB 570-124595/10)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA1 — Lab Sample ID: 570-48680-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.59		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.6		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.64		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.19		0.12		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.1		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.51		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.20		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.80		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.3		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.54		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.61		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.71		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	1.7		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.55		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.5		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.4		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA2 — Lab Sample ID: 570-48680-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.73		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	7.0		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.60		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,2-Dichloroethane	0.10		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.18		0.12		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.0		0.080		ug/m3	1		TO-15 SIM	Total/NA
Bromodichloromethane	0.54		0.17		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.51		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroethane	0.088		0.066		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.53		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	2.0		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dibromochloromethane	0.74		0.21		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.3		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.56		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.67		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.84		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	1.9		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.3		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.6		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.3		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA3 — Lab Sample ID: 570-48680-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.68		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	3.8		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.80		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.25		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.25		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.4		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.51		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.25		0.12		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA3 (Continued) — Lab Sample ID: 570-48680-3

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.81		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.4		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.86		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.68		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.85		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.1		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.95		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.2		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.4		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA4 — Lab Sample ID: 570-48680-4

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.64		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	3.0		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.83		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.25		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.27		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.1		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.50		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.28		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.82		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.3		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.67		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.66		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.88		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.1		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.86		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.3		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA5 — Lab Sample ID: 570-48680-5

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.65		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	3.5		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.93		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,2-Dichloroethane	0.10		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.28		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.32		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.2		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.50		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.38		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.73		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.3		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.76		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.74		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.98		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.5		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.1		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.7		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.3		0.14		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA6 — Lab Sample ID: 570-48680-6

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.78		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	4.3		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.1		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,2-Dichloroethane	0.11		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.34		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.36		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.3		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.53		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.37		0.12		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.4		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.97		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.76		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.3		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	3.3		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.1		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	5.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.4		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA7 — Lab Sample ID: 570-48680-7

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	1.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	9.5		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.2		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,2-Dichloroethane	0.19		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.37		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.39		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.3		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.53		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.37		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.76		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.5		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	1.1		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.65		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.5		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	3.7		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.7		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	5.6		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.19		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.5		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA8 — Lab Sample ID: 570-48680-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.82		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	8.7		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.95		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,2-Dichloroethane	0.11		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.27		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.30		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.1		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.52		0.31		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA8 (Continued) — Lab Sample ID: 570-48680-8

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.31		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.94		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.4		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.86		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.60		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.1		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.9		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.7		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.5		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.4		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA9 — Lab Sample ID: 570-48680-9

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.27		0.14		ug/m3	1		TO-15 SIM	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.57		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	2.4		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.91		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.26		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.32		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.97		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.51		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.17		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.93		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.4		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.66		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.61		0.17		ug/m3	1		TO-15 SIM	Total/NA
Methyl-t-Butyl Ether (MTBE)	0.45		0.090		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.86		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.3		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.8		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.24		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.3		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA10 — Lab Sample ID: 570-48680-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.69		0.14		ug/m3	1		TO-15 SIM	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.59		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	3.1		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.3		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.40		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.43		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.0		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.51		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.17		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.89		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.4		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.88		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.60		0.17		ug/m3	1		TO-15 SIM	Total/NA
Methyl-t-Butyl Ether (MTBE)	0.73		0.090		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA10 (Continued) — Lab Sample ID: 570-48680-10

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
o-Xylene	1.1		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	3.1		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	2.8		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.0		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.32		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.3		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA11 — Lab Sample ID: 570-48680-11

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.49		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.9		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.83		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.28		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.29		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.0		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.43		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.15		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.80		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.62		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.64		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.85		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.1		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.9		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.1		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.54		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA12 — Lab Sample ID: 570-48680-12

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	2.1		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.1		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.35		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.37		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.1		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.14		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.87		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.74		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.59		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.0		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.7		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	2.0		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.6		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.65		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA13 — Lab Sample ID: 570-48680-13

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.49		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.4		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.3		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.45		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.47		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.3		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.43		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.14		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.86		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.91		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.58		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.3		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	3.2		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.92		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	5.6		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.20		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA14 — Lab Sample ID: 570-48680-14

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.49		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.4		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.4		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.48		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.49		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.4		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.42		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.14		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.93		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	1.0		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.53		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.5		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	3.6		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.0		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	6.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.21		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA15 — Lab Sample ID: 570-48680-15

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.55		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	3.6		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.97		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.31		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.30		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.96		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.15		0.12		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA15 (Continued) — Lab Sample ID: 570-48680-15

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.80		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.64		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.55		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.94		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.2		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.1		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.6		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.20		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA16 — Lab Sample ID: 570-48680-16

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	1.1		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethane	0.30		0.10		ug/m3	1		TO-15 SIM	Total/NA
1,1-Difluoroethane	0.69		0.68		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	3.6		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	1.2		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	1.1		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.7		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.45		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.19		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.81		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	2.3		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.60		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	3.3		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	9.7		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	13		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	13		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	1.1		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.3		0.14		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene - DL	26		0.25		ug/m3	2.5		TO-15 SIM	Total/NA

Client Sample ID: IA17 — Lab Sample ID: 570-48680-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.51		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	3.8		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.85		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.24		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.28		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.83		0.080		ug/m3	1		TO-15 SIM	Total/NA
cis-1,2-Dichloroethene	0.10		0.099		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.15		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.82		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.51		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.83		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.73		0.11		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA17 (Continued) — Lab Sample ID: 570-48680-17

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
m,p-Xylene	1.8		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	1.8		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.1		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.34		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA18 — Lab Sample ID: 570-48680-18

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	3.6		1.4		ug/m3	7.33		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.8		0.73		ug/m3	7.33		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	2.5		1.8		ug/m3	7.33		TO-15 SIM	Total/NA
Benzene	2.8		0.59		ug/m3	7.33		TO-15 SIM	Total/NA
Carbon tetrachloride	3.2		2.3		ug/m3	7.33		TO-15 SIM	Total/NA
Chloroform	1.6		0.89		ug/m3	7.33		TO-15 SIM	Total/NA
Chloromethane	6.2		0.38		ug/m3	7.33		TO-15 SIM	Total/NA
Dichlorodifluoromethane	15		0.91		ug/m3	7.33		TO-15 SIM	Total/NA
Ethylbenzene	1.6		0.80		ug/m3	7.33		TO-15 SIM	Total/NA
Methylene Chloride	21		1.3		ug/m3	7.33		TO-15 SIM	Total/NA
o-Xylene	2.3		0.80		ug/m3	7.33		TO-15 SIM	Total/NA
m,p-Xylene	5.7		1.6		ug/m3	7.33		TO-15 SIM	Total/NA
Tetrachloroethene	1.3		1.2		ug/m3	7.33		TO-15 SIM	Total/NA
Toluene	7.0		1.4		ug/m3	7.33		TO-15 SIM	Total/NA
Trichlorofluoromethane	8.2		1.0		ug/m3	7.33		TO-15 SIM	Total/NA

Client Sample ID: IA19 — Lab Sample ID: 570-48680-19

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.53		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	2.0		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.3		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.43		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.36		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.91		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.16		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.93		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.76		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.57		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.2		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.9		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.75		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.8		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.18		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA20 — Lab Sample ID: 570-48680-20

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.51		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	2.0		0.099		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA20 (Continued) — Lab Sample ID: 570-48680-20

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.4		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.43		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.39		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.1		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.16		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.81		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.82		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.67		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.2		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.8		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.79		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.8		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.23		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA21 — Lab Sample ID: 570-48680-21

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.52		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.7		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.2		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.34		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.34		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.96		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.45		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.17		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.87		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.69		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.56		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.0		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.4		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.64		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.7		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.20		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA22 — Lab Sample ID: 570-48680-22

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.51		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.3		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.6		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.50		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.45		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.97		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.43		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.17		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.84		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA22 (Continued) — Lab Sample ID: 570-48680-22

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.88		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.70		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.4		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	3.2		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.70		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.1		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.23		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA23 — Lab Sample ID: 570-48680-23

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.3		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.4		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.40		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.43		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.94		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.16		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.83		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.78		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.64		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.2		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.8		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.64		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.8		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.20		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA24 — Lab Sample ID: 570-48680-24

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.53		0.32		ug/m3	1.67		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.62		0.17		ug/m3	1.67		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.1		0.41		ug/m3	1.67		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.31		0.21		ug/m3	1.67		TO-15 SIM	Total/NA
Benzene	0.88		0.13		ug/m3	1.67		TO-15 SIM	Total/NA
Chloromethane	0.87		0.086		ug/m3	1.67		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.2		0.21		ug/m3	1.67		TO-15 SIM	Total/NA
Ethylbenzene	0.67		0.18		ug/m3	1.67		TO-15 SIM	Total/NA
Methylene Chloride	0.61		0.29		ug/m3	1.67		TO-15 SIM	Total/NA
o-Xylene	0.96		0.18		ug/m3	1.67		TO-15 SIM	Total/NA
m,p-Xylene	2.3		0.36		ug/m3	1.67		TO-15 SIM	Total/NA
Tetrachloroethene	0.58		0.28		ug/m3	1.67		TO-15 SIM	Total/NA
Toluene	3.5		0.31		ug/m3	1.67		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.2		0.23		ug/m3	1.67		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA25 — Lab Sample ID: 570-48680-25

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.48		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.60		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.1		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.32		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.32		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.84		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.42		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.16		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.84		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.65		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.53		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.96		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.3		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.42		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.2		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA26 — Lab Sample ID: 570-48680-26

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.84		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.0		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.32		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.31		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.91		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.16		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.86		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.66		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.61		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.97		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	2.3		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.44		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	3.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: IA27 — Lab Sample ID: 570-48680-27

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.52		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	1.4		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	1.4		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.44		0.12		ug/m3	1		TO-15 SIM	Total/NA
4-Ethyltoluene	0.41		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	1.1		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.17		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.79		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA27 (Continued) — Lab Sample ID: 570-48680-27

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.86		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.60		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	1.3		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	3.1		0.22		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.71		0.17		ug/m3	1		TO-15 SIM	Total/NA
Toluene	4.3		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	0.26		0.13		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: OA1 — Lab Sample ID: 570-48680-28

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.48		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.16		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.30		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.75		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.43		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.15		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.75		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.30		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.52		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.40		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	0.89		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	2.0		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: OA2 — Lab Sample ID: 570-48680-29

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.18		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.38		0.25		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.74		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.45		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.15		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.85		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.33		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.55		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.42		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	0.98		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	2.2		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: OA3 — Lab Sample ID: 570-48680-30

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.46		0.19		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.67		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.40		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.12		0.12		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: OA3 (Continued) — Lab Sample ID: 570-48680-30

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.80		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.0		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.25		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.50		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.33		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	0.70		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	1.7		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: OA4 — Lab Sample ID: 570-48680-31

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		0.19		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.18		0.099		ug/m3	1		TO-15 SIM	Total/NA
1,2,4-Trimethylbenzene	0.45		0.25		ug/m3	1		TO-15 SIM	Total/NA
1,3,5-Trimethylbenzene	0.13		0.12		ug/m3	1		TO-15 SIM	Total/NA
Benzene	0.82		0.080		ug/m3	1		TO-15 SIM	Total/NA
Carbon tetrachloride	0.44		0.31		ug/m3	1		TO-15 SIM	Total/NA
Chloroform	0.14		0.12		ug/m3	1		TO-15 SIM	Total/NA
Chloromethane	0.83		0.052		ug/m3	1		TO-15 SIM	Total/NA
Dichlorodifluoromethane	2.1		0.12		ug/m3	1		TO-15 SIM	Total/NA
Ethylbenzene	0.41		0.11		ug/m3	1		TO-15 SIM	Total/NA
Methylene Chloride	0.55		0.17		ug/m3	1		TO-15 SIM	Total/NA
o-Xylene	0.55		0.11		ug/m3	1		TO-15 SIM	Total/NA
m,p-Xylene	1.3		0.22		ug/m3	1		TO-15 SIM	Total/NA
Toluene	2.5		0.19		ug/m3	1		TO-15 SIM	Total/NA
Trichlorofluoromethane	1.2		0.14		ug/m3	1		TO-15 SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Client Sample ID: IA1
Date Collected: 01/17/21 13:54
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-1
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/19/21 22:38	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/19/21 22:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.59**		0.19		ug/m3			01/19/21 22:38	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/19/21 22:38	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/19/21 22:38	1
1,1-Dichloroethene	**1.6**		0.099		ug/m3			01/19/21 22:38	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/19/21 22:38	1
1,2,4-Trimethylbenzene	**0.64**		0.25		ug/m3			01/19/21 22:38	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/19/21 22:38	1
1,3,5-Trimethylbenzene	**0.19**		0.12		ug/m3			01/19/21 22:38	1
4-Ethyltoluene	ND		0.25		ug/m3			01/19/21 22:38	1
Benzene	**1.1**		0.080		ug/m3			01/19/21 22:38	1
Bromodichloromethane	ND		0.17		ug/m3			01/19/21 22:38	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/19/21 22:38	1
Carbon tetrachloride	**0.51**		0.31		ug/m3			01/19/21 22:38	1
Chlorobenzene	ND		0.23		ug/m3			01/19/21 22:38	1
Chloroethane	ND		0.066		ug/m3			01/19/21 22:38	1
Chloroform	**0.20**		0.12		ug/m3			01/19/21 22:38	1
Chloromethane	**0.80**		0.052		ug/m3			01/19/21 22:38	1
Dibromochloromethane	ND		0.21		ug/m3			01/19/21 22:38	1
Dichlorodifluoromethane	**2.3**		0.12		ug/m3			01/19/21 22:38	1
Ethylbenzene	**0.54**		0.11		ug/m3			01/19/21 22:38	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/19/21 22:38	1
Methylene Chloride	**0.61**		0.17		ug/m3			01/19/21 22:38	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/19/21 22:38	1
o-Xylene	**0.71**		0.11		ug/m3			01/19/21 22:38	1
m,p-Xylene	**1.7**		0.22		ug/m3			01/19/21 22:38	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/19/21 22:38	1
Tetrachloroethene	**0.55**		0.17		ug/m3			01/19/21 22:38	1
Toluene	**3.5**		0.19		ug/m3			01/19/21 22:38	1
Trichloroethene	ND		0.13		ug/m3			01/19/21 22:38	1
Trichlorofluoromethane	**1.4**		0.14		ug/m3			01/19/21 22:38	1
Vinyl chloride	ND		0.13		ug/m3			01/19/21 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*37 - 163*		*01/19/21 22:38*	*1*
4-Bromofluorobenzene (Surr)	*84*		*45 - 153*		*01/19/21 22:38*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/19/21 22:38*	*1*

Client Sample ID: IA2
Date Collected: 01/17/21 13:56
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-2
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/19/21 23:30	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/19/21 23:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.73**		0.19		ug/m3			01/19/21 23:30	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA2 — **Lab Sample ID: 570-48680-2**
Date Collected: 01/17/21 13:56 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/19/21 23:30	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/19/21 23:30	1
1,1-Dichloroethene	**7.0**		0.099		ug/m3			01/19/21 23:30	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/19/21 23:30	1
1,2,4-Trimethylbenzene	**0.60**		0.25		ug/m3			01/19/21 23:30	1
1,2-Dichloroethane	**0.10**		0.10		ug/m3			01/19/21 23:30	1
1,3,5-Trimethylbenzene	**0.18**		0.12		ug/m3			01/19/21 23:30	1
4-Ethyltoluene	ND		0.25		ug/m3			01/19/21 23:30	1
Benzene	**1.0**		0.080		ug/m3			01/19/21 23:30	1
Bromodichloromethane	**0.54**		0.17		ug/m3			01/19/21 23:30	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/19/21 23:30	1
Carbon tetrachloride	**0.51**		0.31		ug/m3			01/19/21 23:30	1
Chlorobenzene	ND		0.23		ug/m3			01/19/21 23:30	1
Chloroethane	**0.088**		0.066		ug/m3			01/19/21 23:30	1
Chloroform	**0.53**		0.12		ug/m3			01/19/21 23:30	1
Chloromethane	**2.0**		0.052		ug/m3			01/19/21 23:30	1
Dibromochloromethane	**0.74**		0.21		ug/m3			01/19/21 23:30	1
Dichlorodifluoromethane	**2.3**		0.12		ug/m3			01/19/21 23:30	1
Ethylbenzene	**0.56**		0.11		ug/m3			01/19/21 23:30	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/19/21 23:30	1
Methylene Chloride	**0.67**		0.17		ug/m3			01/19/21 23:30	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/19/21 23:30	1
o-Xylene	**0.84**		0.11		ug/m3			01/19/21 23:30	1
m,p-Xylene	**1.9**		0.22		ug/m3			01/19/21 23:30	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/19/21 23:30	1
Tetrachloroethene	**1.3**		0.17		ug/m3			01/19/21 23:30	1
Toluene	**3.6**		0.19		ug/m3			01/19/21 23:30	1
Trichloroethene	ND		0.13		ug/m3			01/19/21 23:30	1
Trichlorofluoromethane	**1.3**		0.14		ug/m3			01/19/21 23:30	1
Vinyl chloride	ND		0.13		ug/m3			01/19/21 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*81*		*37 - 163*		*01/19/21 23:30*	*1*
4-Bromofluorobenzene (Surr)	*86*		*45 - 153*		*01/19/21 23:30*	*1*
Toluene-d8 (Surr)	*94*		*73 - 121*		*01/19/21 23:30*	*1*

Client Sample ID: IA3 — **Lab Sample ID: 570-48680-3**
Date Collected: 01/17/21 13:58 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/20/21 00:22	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/20/21 00:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.68**		0.19		ug/m3			01/20/21 00:22	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/20/21 00:22	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/20/21 00:22	1
1,1-Dichloroethene	**3.8**		0.099		ug/m3			01/20/21 00:22	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA3
Date Collected: 01/17/21 13:58
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-3
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Difluoroethane	ND		0.68		ug/m3			01/20/21 00:22	1
1,2,4-Trimethylbenzene	**0.80**		0.25		ug/m3			01/20/21 00:22	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/20/21 00:22	1
1,3,5-Trimethylbenzene	**0.25**		0.12		ug/m3			01/20/21 00:22	1
4-Ethyltoluene	**0.25**		0.25		ug/m3			01/20/21 00:22	1
Benzene	**1.4**		0.080		ug/m3			01/20/21 00:22	1
Bromodichloromethane	ND		0.17		ug/m3			01/20/21 00:22	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 00:22	1
Carbon tetrachloride	**0.51**		0.31		ug/m3			01/20/21 00:22	1
Chlorobenzene	ND		0.23		ug/m3			01/20/21 00:22	1
Chloroethane	ND		0.066		ug/m3			01/20/21 00:22	1
Chloroform	**0.25**		0.12		ug/m3			01/20/21 00:22	1
Chloromethane	**0.81**		0.052		ug/m3			01/20/21 00:22	1
Dibromochloromethane	ND		0.21		ug/m3			01/20/21 00:22	1
Dichlorodifluoromethane	**2.4**		0.12		ug/m3			01/20/21 00:22	1
Ethylbenzene	**0.86**		0.11		ug/m3			01/20/21 00:22	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/20/21 00:22	1
Methylene Chloride	**0.68**		0.17		ug/m3			01/20/21 00:22	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/20/21 00:22	1
o-Xylene	**0.85**		0.11		ug/m3			01/20/21 00:22	1
m,p-Xylene	**2.1**		0.22		ug/m3			01/20/21 00:22	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 00:22	1
Tetrachloroethene	**0.95**		0.17		ug/m3			01/20/21 00:22	1
Toluene	**4.2**		0.19		ug/m3			01/20/21 00:22	1
Trichloroethene	ND		0.13		ug/m3			01/20/21 00:22	1
Trichlorofluoromethane	**1.4**		0.14		ug/m3			01/20/21 00:22	1
Vinyl chloride	ND		0.13		ug/m3			01/20/21 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*37 - 163*		*01/20/21 00:22*	*1*
4-Bromofluorobenzene (Surr)	*85*		*45 - 153*		*01/20/21 00:22*	*1*
Toluene-d8 (Surr)	*94*		*73 - 121*		*01/20/21 00:22*	*1*

Client Sample ID: IA4
Date Collected: 01/17/21 13:59
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-4
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/20/21 01:14	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/20/21 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.64**		0.19		ug/m3			01/20/21 01:14	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/20/21 01:14	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/20/21 01:14	1
1,1-Dichloroethene	**3.0**		0.099		ug/m3			01/20/21 01:14	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/20/21 01:14	1
1,2,4-Trimethylbenzene	**0.83**		0.25		ug/m3			01/20/21 01:14	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/20/21 01:14	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA4 — **Lab Sample ID: 570-48680-4**
Date Collected: 01/17/21 13:59 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**0.25**		0.12		ug/m3			01/20/21 01:14	1
4-Ethyltoluene	**0.27**		0.25		ug/m3			01/20/21 01:14	1
Benzene	**1.1**		0.080		ug/m3			01/20/21 01:14	1
Bromodichloromethane	ND		0.17		ug/m3			01/20/21 01:14	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 01:14	1
Carbon tetrachloride	**0.50**		0.31		ug/m3			01/20/21 01:14	1
Chlorobenzene	ND		0.23		ug/m3			01/20/21 01:14	1
Chloroethane	ND		0.066		ug/m3			01/20/21 01:14	1
Chloroform	**0.28**		0.12		ug/m3			01/20/21 01:14	1
Chloromethane	**0.82**		0.052		ug/m3			01/20/21 01:14	1
Dibromochloromethane	ND		0.21		ug/m3			01/20/21 01:14	1
Dichlorodifluoromethane	**2.3**		0.12		ug/m3			01/20/21 01:14	1
Ethylbenzene	**0.67**		0.11		ug/m3			01/20/21 01:14	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/20/21 01:14	1
Methylene Chloride	**0.66**		0.17		ug/m3			01/20/21 01:14	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/20/21 01:14	1
o-Xylene	**0.88**		0.11		ug/m3			01/20/21 01:14	1
m,p-Xylene	**2.1**		0.22		ug/m3			01/20/21 01:14	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 01:14	1
Tetrachloroethene	**0.86**		0.17		ug/m3			01/20/21 01:14	1
Toluene	**4.3**		0.19		ug/m3			01/20/21 01:14	1
Trichloroethene	ND		0.13		ug/m3			01/20/21 01:14	1
Trichlorofluoromethane	**1.3**		0.14		ug/m3			01/20/21 01:14	1
Vinyl chloride	ND		0.13		ug/m3			01/20/21 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*37 - 163*		*01/20/21 01:14*	*1*
4-Bromofluorobenzene (Surr)	*87*		*45 - 153*		*01/20/21 01:14*	*1*
Toluene-d8 (Surr)	*105*		*73 - 121*		*01/20/21 01:14*	*1*

Client Sample ID: IA5 — **Lab Sample ID: 570-48680-5**
Date Collected: 01/17/21 14:00 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/20/21 02:05	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/20/21 02:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.65**		0.19		ug/m3			01/20/21 02:05	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/20/21 02:05	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/20/21 02:05	1
1,1-Dichloroethene	**3.5**		0.099		ug/m3			01/20/21 02:05	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/20/21 02:05	1
1,2,4-Trimethylbenzene	**0.93**		0.25		ug/m3			01/20/21 02:05	1
1,2-Dichloroethane	**0.10**		0.10		ug/m3			01/20/21 02:05	1
1,3,5-Trimethylbenzene	**0.28**		0.12		ug/m3			01/20/21 02:05	1
4-Ethyltoluene	**0.32**		0.25		ug/m3			01/20/21 02:05	1
Benzene	**1.2**		0.080		ug/m3			01/20/21 02:05	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA5 — **Lab Sample ID: 570-48680-5**
Date Collected: 01/17/21 14:00 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.17		ug/m3			01/20/21 02:05	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 02:05	1
Carbon tetrachloride	**0.50**		0.31		ug/m3			01/20/21 02:05	1
Chlorobenzene	ND		0.23		ug/m3			01/20/21 02:05	1
Chloroethane	ND		0.066		ug/m3			01/20/21 02:05	1
Chloroform	**0.38**		0.12		ug/m3			01/20/21 02:05	1
Chloromethane	**0.73**		0.052		ug/m3			01/20/21 02:05	1
Dibromochloromethane	ND		0.21		ug/m3			01/20/21 02:05	1
Dichlorodifluoromethane	**2.3**		0.12		ug/m3			01/20/21 02:05	1
Ethylbenzene	**0.76**		0.11		ug/m3			01/20/21 02:05	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/20/21 02:05	1
Methylene Chloride	**0.74**		0.17		ug/m3			01/20/21 02:05	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/20/21 02:05	1
o-Xylene	**0.98**		0.11		ug/m3			01/20/21 02:05	1
m,p-Xylene	**2.5**		0.22		ug/m3			01/20/21 02:05	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 02:05	1
Tetrachloroethene	**1.1**		0.17		ug/m3			01/20/21 02:05	1
Toluene	**4.7**		0.19		ug/m3			01/20/21 02:05	1
Trichloroethene	ND		0.13		ug/m3			01/20/21 02:05	1
Trichlorofluoromethane	**1.3**		0.14		ug/m3			01/20/21 02:05	1
Vinyl chloride	ND		0.13		ug/m3			01/20/21 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*37 - 163*		*01/20/21 02:05*	*1*
4-Bromofluorobenzene (Surr)	*88*		*45 - 153*		*01/20/21 02:05*	*1*
Toluene-d8 (Surr)	*103*		*73 - 121*		*01/20/21 02:05*	*1*

Client Sample ID: IA6 — **Lab Sample ID: 570-48680-6**
Date Collected: 01/17/21 14:02 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/20/21 03:02	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/20/21 03:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.78**		0.19		ug/m3			01/20/21 03:02	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/20/21 03:02	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/20/21 03:02	1
1,1-Dichloroethene	**4.3**		0.099		ug/m3			01/20/21 03:02	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/20/21 03:02	1
1,2,4-Trimethylbenzene	**1.1**		0.25		ug/m3			01/20/21 03:02	1
1,2-Dichloroethane	**0.11**		0.10		ug/m3			01/20/21 03:02	1
1,3,5-Trimethylbenzene	**0.34**		0.12		ug/m3			01/20/21 03:02	1
4-Ethyltoluene	**0.36**		0.25		ug/m3			01/20/21 03:02	1
Benzene	**1.3**		0.080		ug/m3			01/20/21 03:02	1
Bromodichloromethane	ND		0.17		ug/m3			01/20/21 03:02	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 03:02	1
Carbon tetrachloride	**0.53**		0.31		ug/m3			01/20/21 03:02	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA6 — **Lab Sample ID: 570-48680-6**
Date Collected: 01/17/21 14:02 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.23		ug/m3			01/20/21 03:02	1
Chloroethane	ND		0.066		ug/m3			01/20/21 03:02	1
Chloroform	**0.37**		0.12		ug/m3			01/20/21 03:02	1
Chloromethane	ND		0.052		ug/m3			01/20/21 03:02	1
Dibromochloromethane	ND		0.21		ug/m3			01/20/21 03:02	1
Dichlorodifluoromethane	**2.4**		0.12		ug/m3			01/20/21 03:02	1
Ethylbenzene	**0.97**		0.11		ug/m3			01/20/21 03:02	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/20/21 03:02	1
Methylene Chloride	**0.76**		0.17		ug/m3			01/20/21 03:02	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/20/21 03:02	1
o-Xylene	**1.3**		0.11		ug/m3			01/20/21 03:02	1
m,p-Xylene	**3.3**		0.22		ug/m3			01/20/21 03:02	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 03:02	1
Tetrachloroethene	**1.1**		0.17		ug/m3			01/20/21 03:02	1
Toluene	**5.3**		0.19		ug/m3			01/20/21 03:02	1
Trichloroethene	ND		0.13		ug/m3			01/20/21 03:02	1
Trichlorofluoromethane	**1.4**		0.14		ug/m3			01/20/21 03:02	1
Vinyl chloride	ND		0.13		ug/m3			01/20/21 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*37 - 163*		*01/20/21 03:02*	*1*
4-Bromofluorobenzene (Surr)	*88*		*45 - 153*		*01/20/21 03:02*	*1*
Toluene-d8 (Surr)	*98*		*73 - 121*		*01/20/21 03:02*	*1*

Client Sample ID: IA7 — **Lab Sample ID: 570-48680-7**
Date Collected: 01/17/21 14:08 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/20/21 03:54	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/20/21 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.3**		0.19		ug/m3			01/20/21 03:54	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/20/21 03:54	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/20/21 03:54	1
1,1-Dichloroethene	**9.5**		0.099		ug/m3			01/20/21 03:54	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/20/21 03:54	1
1,2,4-Trimethylbenzene	**1.2**		0.25		ug/m3			01/20/21 03:54	1
1,2-Dichloroethane	**0.19**		0.10		ug/m3			01/20/21 03:54	1
1,3,5-Trimethylbenzene	**0.37**		0.12		ug/m3			01/20/21 03:54	1
4-Ethyltoluene	**0.39**		0.25		ug/m3			01/20/21 03:54	1
Benzene	**1.3**		0.080		ug/m3			01/20/21 03:54	1
Bromodichloromethane	ND		0.17		ug/m3			01/20/21 03:54	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 03:54	1
Carbon tetrachloride	**0.53**		0.31		ug/m3			01/20/21 03:54	1
Chlorobenzene	ND		0.23		ug/m3			01/20/21 03:54	1
Chloroethane	ND		0.066		ug/m3			01/20/21 03:54	1
Chloroform	**0.37**		0.12		ug/m3			01/20/21 03:54	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA7 — **Lab Sample ID: 570-48680-7**
Date Collected: 01/17/21 14:08 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	**0.76**		0.052		ug/m3			01/20/21 03:54	1
Dibromochloromethane	ND		0.21		ug/m3			01/20/21 03:54	1
Dichlorodifluoromethane	**2.5**		0.12		ug/m3			01/20/21 03:54	1
Ethylbenzene	**1.1**		0.11		ug/m3			01/20/21 03:54	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/20/21 03:54	1
Methylene Chloride	**0.65**		0.17		ug/m3			01/20/21 03:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/20/21 03:54	1
o-Xylene	**1.5**		0.11		ug/m3			01/20/21 03:54	1
m,p-Xylene	**3.7**		0.22		ug/m3			01/20/21 03:54	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 03:54	1
Tetrachloroethene	**1.7**		0.17		ug/m3			01/20/21 03:54	1
Toluene	**5.6**		0.19		ug/m3			01/20/21 03:54	1
Trichloroethene	**0.19**		0.13		ug/m3			01/20/21 03:54	1
Trichlorofluoromethane	**1.5**		0.14		ug/m3			01/20/21 03:54	1
Vinyl chloride	ND		0.13		ug/m3			01/20/21 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*37 - 163*		*01/20/21 03:54*	*1*
4-Bromofluorobenzene (Surr)	*91*		*45 - 153*		*01/20/21 03:54*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*		*01/20/21 03:54*	*1*

Client Sample ID: IA8 — **Lab Sample ID: 570-48680-8**
Date Collected: 01/17/21 14:10 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/20/21 04:45	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/20/21 04:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.82**		0.19		ug/m3			01/20/21 04:45	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/20/21 04:45	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/20/21 04:45	1
1,1-Dichloroethene	**8.7**		0.099		ug/m3			01/20/21 04:45	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/20/21 04:45	1
1,2,4-Trimethylbenzene	**0.95**		0.25		ug/m3			01/20/21 04:45	1
1,2-Dichloroethane	**0.11**		0.10		ug/m3			01/20/21 04:45	1
1,3,5-Trimethylbenzene	**0.27**		0.12		ug/m3			01/20/21 04:45	1
4-Ethyltoluene	**0.30**		0.25		ug/m3			01/20/21 04:45	1
Benzene	**1.1**		0.080		ug/m3			01/20/21 04:45	1
Bromodichloromethane	ND		0.17		ug/m3			01/20/21 04:45	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 04:45	1
Carbon tetrachloride	**0.52**		0.31		ug/m3			01/20/21 04:45	1
Chlorobenzene	ND		0.23		ug/m3			01/20/21 04:45	1
Chloroethane	ND		0.066		ug/m3			01/20/21 04:45	1
Chloroform	**0.31**		0.12		ug/m3			01/20/21 04:45	1
Chloromethane	**0.94**		0.052		ug/m3			01/20/21 04:45	1
Dibromochloromethane	ND		0.21		ug/m3			01/20/21 04:45	1
Dichlorodifluoromethane	**2.4**		0.12		ug/m3			01/20/21 04:45	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA8 — **Lab Sample ID: 570-48680-8**
Date Collected: 01/17/21 14:10 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**0.86**		0.11		ug/m3			01/20/21 04:45	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/20/21 04:45	1
Methylene Chloride	**0.60**		0.17		ug/m3			01/20/21 04:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/20/21 04:45	1
o-Xylene	**1.1**		0.11		ug/m3			01/20/21 04:45	1
m,p-Xylene	**2.9**		0.22		ug/m3			01/20/21 04:45	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 04:45	1
Tetrachloroethene	**1.7**		0.17		ug/m3			01/20/21 04:45	1
Toluene	**4.5**		0.19		ug/m3			01/20/21 04:45	1
Trichloroethene	ND		0.13		ug/m3			01/20/21 04:45	1
Trichlorofluoromethane	**1.4**		0.14		ug/m3			01/20/21 04:45	1
Vinyl chloride	ND		0.13		ug/m3			01/20/21 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*37 - 163*		*01/20/21 04:45*	*1*
4-Bromofluorobenzene (Surr)	*88*		*45 - 153*		*01/20/21 04:45*	*1*
Toluene-d8 (Surr)	*95*		*73 - 121*		*01/20/21 04:45*	*1*

Client Sample ID: IA9 — **Lab Sample ID: 570-48680-9**
Date Collected: 01/17/21 14:56 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.27**		0.14		ug/m3			01/20/21 05:36	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/20/21 05:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.57**		0.19		ug/m3			01/20/21 05:36	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/20/21 05:36	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/20/21 05:36	1
1,1-Dichloroethene	**2.4**		0.099		ug/m3			01/20/21 05:36	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/20/21 05:36	1
1,2,4-Trimethylbenzene	**0.91**		0.25		ug/m3			01/20/21 05:36	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/20/21 05:36	1
1,3,5-Trimethylbenzene	**0.26**		0.12		ug/m3			01/20/21 05:36	1
4-Ethyltoluene	**0.32**		0.25		ug/m3			01/20/21 05:36	1
Benzene	**0.97**		0.080		ug/m3			01/20/21 05:36	1
Bromodichloromethane	ND		0.17		ug/m3			01/20/21 05:36	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 05:36	1
Carbon tetrachloride	**0.51**		0.31		ug/m3			01/20/21 05:36	1
Chlorobenzene	ND		0.23		ug/m3			01/20/21 05:36	1
Chloroethane	ND		0.066		ug/m3			01/20/21 05:36	1
Chloroform	**0.17**		0.12		ug/m3			01/20/21 05:36	1
Chloromethane	**0.93**		0.052		ug/m3			01/20/21 05:36	1
Dibromochloromethane	ND		0.21		ug/m3			01/20/21 05:36	1
Dichlorodifluoromethane	**2.4**		0.12		ug/m3			01/20/21 05:36	1
Ethylbenzene	**0.66**		0.11		ug/m3			01/20/21 05:36	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/20/21 05:36	1
Methylene Chloride	**0.61**		0.17		ug/m3			01/20/21 05:36	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA9 — **Lab Sample ID: 570-48680-9**
Date Collected: 01/17/21 14:56 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	**0.45**		0.090		ug/m3			01/20/21 05:36	1
o-Xylene	**0.86**		0.11		ug/m3			01/20/21 05:36	1
m,p-Xylene	**2.3**		0.22		ug/m3			01/20/21 05:36	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 05:36	1
Tetrachloroethene	**1.8**		0.17		ug/m3			01/20/21 05:36	1
Toluene	**3.3**		0.19		ug/m3			01/20/21 05:36	1
Trichloroethene	**0.24**		0.13		ug/m3			01/20/21 05:36	1
Trichlorofluoromethane	**1.3**		0.14		ug/m3			01/20/21 05:36	1
Vinyl chloride	ND		0.13		ug/m3			01/20/21 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*37 - 163*		*01/20/21 05:36*	*1*
4-Bromofluorobenzene (Surr)	*90*		*45 - 153*		*01/20/21 05:36*	*1*
Toluene-d8 (Surr)	*103*		*73 - 121*		*01/20/21 05:36*	*1*

Client Sample ID: IA10 — **Lab Sample ID: 570-48680-10**
Date Collected: 01/17/21 14:58 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.69**		0.14		ug/m3			01/20/21 06:27	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/20/21 06:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.59**		0.19		ug/m3			01/20/21 06:27	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/20/21 06:27	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/20/21 06:27	1
1,1-Dichloroethene	**3.1**		0.099		ug/m3			01/20/21 06:27	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/20/21 06:27	1
1,2,4-Trimethylbenzene	**1.3**		0.25		ug/m3			01/20/21 06:27	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/20/21 06:27	1
1,3,5-Trimethylbenzene	**0.40**		0.12		ug/m3			01/20/21 06:27	1
4-Ethyltoluene	**0.43**		0.25		ug/m3			01/20/21 06:27	1
Benzene	**1.0**		0.080		ug/m3			01/20/21 06:27	1
Bromodichloromethane	ND		0.17		ug/m3			01/20/21 06:27	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 06:27	1
Carbon tetrachloride	**0.51**		0.31		ug/m3			01/20/21 06:27	1
Chlorobenzene	ND		0.23		ug/m3			01/20/21 06:27	1
Chloroethane	ND		0.066		ug/m3			01/20/21 06:27	1
Chloroform	**0.17**		0.12		ug/m3			01/20/21 06:27	1
Chloromethane	**0.89**		0.052		ug/m3			01/20/21 06:27	1
Dibromochloromethane	ND		0.21		ug/m3			01/20/21 06:27	1
Dichlorodifluoromethane	**2.4**		0.12		ug/m3			01/20/21 06:27	1
Ethylbenzene	**0.88**		0.11		ug/m3			01/20/21 06:27	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/20/21 06:27	1
Methylene Chloride	**0.60**		0.17		ug/m3			01/20/21 06:27	1
Methyl-t-Butyl Ether (MTBE)	**0.73**		0.090		ug/m3			01/20/21 06:27	1
o-Xylene	**1.1**		0.11		ug/m3			01/20/21 06:27	1
m,p-Xylene	**3.1**		0.22		ug/m3			01/20/21 06:27	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA10 — **Lab Sample ID: 570-48680-10**
Date Collected: 01/17/21 14:58 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/20/21 06:27	1
Tetrachloroethene	**2.8**		0.17		ug/m3			01/20/21 06:27	1
Toluene	**4.0**		0.19		ug/m3			01/20/21 06:27	1
Trichloroethene	**0.32**		0.13		ug/m3			01/20/21 06:27	1
Trichlorofluoromethane	**1.3**		0.14		ug/m3			01/20/21 06:27	1
Vinyl chloride	ND		0.13		ug/m3			01/20/21 06:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*37 - 163*		*01/20/21 06:27*	*1*
4-Bromofluorobenzene (Surr)	*91*		*45 - 153*		*01/20/21 06:27*	*1*
Toluene-d8 (Surr)	*101*		*73 - 121*		*01/20/21 06:27*	*1*

Client Sample ID: IA11 — **Lab Sample ID: 570-48680-11**
Date Collected: 01/17/21 14:52 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/26/21 19:11	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/26/21 19:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.49**		0.19		ug/m3			01/26/21 19:11	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/26/21 19:11	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/26/21 19:11	1
1,1-Dichloroethene	**1.9**		0.099		ug/m3			01/26/21 19:11	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/26/21 19:11	1
1,2,4-Trimethylbenzene	**0.83**		0.25		ug/m3			01/26/21 19:11	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/26/21 19:11	1
1,3,5-Trimethylbenzene	**0.28**		0.12		ug/m3			01/26/21 19:11	1
4-Ethyltoluene	**0.29**		0.25		ug/m3			01/26/21 19:11	1
Benzene	**1.0**		0.080		ug/m3			01/26/21 19:11	1
Bromodichloromethane	ND		0.17		ug/m3			01/26/21 19:11	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/26/21 19:11	1
Carbon tetrachloride	**0.43**		0.31		ug/m3			01/26/21 19:11	1
Chlorobenzene	ND		0.23		ug/m3			01/26/21 19:11	1
Chloroethane	ND		0.066		ug/m3			01/26/21 19:11	1
Chloroform	**0.15**		0.12		ug/m3			01/26/21 19:11	1
Chloromethane	**0.80**		0.052		ug/m3			01/26/21 19:11	1
Dibromochloromethane	ND		0.21		ug/m3			01/26/21 19:11	1
Dichlorodifluoromethane	**2.0**		0.12		ug/m3			01/26/21 19:11	1
Ethylbenzene	**0.62**		0.11		ug/m3			01/26/21 19:11	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/26/21 19:11	1
Methylene Chloride	**0.64**		0.17		ug/m3			01/26/21 19:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/26/21 19:11	1
o-Xylene	**0.85**		0.11		ug/m3			01/26/21 19:11	1
m,p-Xylene	**2.1**		0.22		ug/m3			01/26/21 19:11	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/26/21 19:11	1
Tetrachloroethene	**1.9**		0.17		ug/m3			01/26/21 19:11	1
Toluene	**4.1**		0.19		ug/m3			01/26/21 19:11	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA11 — **Lab Sample ID: 570-48680-11**
Date Collected: 01/17/21 14:52 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**0.54**		0.13		ug/m3			01/26/21 19:11	1
Trichlorofluoromethane	**1.1**		0.14		ug/m3			01/26/21 19:11	1
Vinyl chloride	ND		0.13		ug/m3			01/26/21 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*37 - 163*		*01/26/21 19:11*	*1*
4-Bromofluorobenzene (Surr)	*94*		*45 - 153*		*01/26/21 19:11*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*		*01/26/21 19:11*	*1*

Client Sample ID: IA12 — **Lab Sample ID: 570-48680-12**
Date Collected: 01/17/21 14:54 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/26/21 23:25	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/26/21 23:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19		ug/m3			01/26/21 23:25	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/26/21 23:25	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/26/21 23:25	1
1,1-Dichloroethene	**2.1**		0.099		ug/m3			01/26/21 23:25	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/26/21 23:25	1
1,2,4-Trimethylbenzene	**1.1**		0.25		ug/m3			01/26/21 23:25	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/26/21 23:25	1
1,3,5-Trimethylbenzene	**0.35**		0.12		ug/m3			01/26/21 23:25	1
4-Ethyltoluene	**0.37**		0.25		ug/m3			01/26/21 23:25	1
Benzene	**1.1**		0.080		ug/m3			01/26/21 23:25	1
Bromodichloromethane	ND		0.17		ug/m3			01/26/21 23:25	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/26/21 23:25	1
Carbon tetrachloride	**0.44**		0.31		ug/m3			01/26/21 23:25	1
Chlorobenzene	ND		0.23		ug/m3			01/26/21 23:25	1
Chloroethane	ND		0.066		ug/m3			01/26/21 23:25	1
Chloroform	**0.14**		0.12		ug/m3			01/26/21 23:25	1
Chloromethane	**0.87**		0.052		ug/m3			01/26/21 23:25	1
Dibromochloromethane	ND		0.21		ug/m3			01/26/21 23:25	1
Dichlorodifluoromethane	**2.1**		0.12		ug/m3			01/26/21 23:25	1
Ethylbenzene	**0.74**		0.11		ug/m3			01/26/21 23:25	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/26/21 23:25	1
Methylene Chloride	**0.59**		0.17		ug/m3			01/26/21 23:25	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/26/21 23:25	1
o-Xylene	**1.0**		0.11		ug/m3			01/26/21 23:25	1
m,p-Xylene	**2.7**		0.22		ug/m3			01/26/21 23:25	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/26/21 23:25	1
Tetrachloroethene	**2.0**		0.17		ug/m3			01/26/21 23:25	1
Toluene	**4.6**		0.19		ug/m3			01/26/21 23:25	1
Trichloroethene	**0.65**		0.13		ug/m3			01/26/21 23:25	1
Trichlorofluoromethane	**1.1**		0.14		ug/m3			01/26/21 23:25	1
Vinyl chloride	ND		0.13		ug/m3			01/26/21 23:25	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		37 - 163		01/26/21 23:25	1
4-Bromofluorobenzene (Surr)	97		45 - 153		01/26/21 23:25	1
Toluene-d8 (Surr)	95		73 - 121		01/26/21 23:25	1

Client Sample ID: IA13 — **Lab Sample ID: 570-48680-13**
Date Collected: 01/17/21 14:47 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/26/21 20:02	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/26/21 20:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.49**		0.19	ug/m3			01/26/21 20:02	1
1,1,2-Trichloroethane	ND		0.14	ug/m3			01/26/21 20:02	1
1,1-Dichloroethane	ND		0.10	ug/m3			01/26/21 20:02	1
1,1-Dichloroethene	**1.4**		0.099	ug/m3			01/26/21 20:02	1
1,1-Difluoroethane	ND		0.68	ug/m3			01/26/21 20:02	1
1,2,4-Trimethylbenzene	**1.3**		0.25	ug/m3			01/26/21 20:02	1
1,2-Dichloroethane	ND		0.10	ug/m3			01/26/21 20:02	1
1,3,5-Trimethylbenzene	**0.45**		0.12	ug/m3			01/26/21 20:02	1
4-Ethyltoluene	**0.47**		0.25	ug/m3			01/26/21 20:02	1
Benzene	**1.3**		0.080	ug/m3			01/26/21 20:02	1
Bromodichloromethane	ND		0.17	ug/m3			01/26/21 20:02	1
cis-1,2-Dichloroethene	ND		0.099	ug/m3			01/26/21 20:02	1
Carbon tetrachloride	**0.43**		0.31	ug/m3			01/26/21 20:02	1
Chlorobenzene	ND		0.23	ug/m3			01/26/21 20:02	1
Chloroethane	ND		0.066	ug/m3			01/26/21 20:02	1
Chloroform	**0.14**		0.12	ug/m3			01/26/21 20:02	1
Chloromethane	**0.86**		0.052	ug/m3			01/26/21 20:02	1
Dibromochloromethane	ND		0.21	ug/m3			01/26/21 20:02	1
Dichlorodifluoromethane	**2.0**		0.12	ug/m3			01/26/21 20:02	1
Ethylbenzene	**0.91**		0.11	ug/m3			01/26/21 20:02	1
Hexachloro-1,3-butadiene	ND	*1	1.1	ug/m3			01/26/21 20:02	1
Methylene Chloride	**0.58**		0.17	ug/m3			01/26/21 20:02	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090	ug/m3			01/26/21 20:02	1
o-Xylene	**1.3**		0.11	ug/m3			01/26/21 20:02	1
m,p-Xylene	**3.2**		0.22	ug/m3			01/26/21 20:02	1
trans-1,2-Dichloroethene	ND		0.099	ug/m3			01/26/21 20:02	1
Tetrachloroethene	**0.92**		0.17	ug/m3			01/26/21 20:02	1
Toluene	**5.6**		0.19	ug/m3			01/26/21 20:02	1
Trichloroethene	**0.20**		0.13	ug/m3			01/26/21 20:02	1
Trichlorofluoromethane	**1.1**		0.14	ug/m3			01/26/21 20:02	1
Vinyl chloride	ND		0.13	ug/m3			01/26/21 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		37 - 163		01/26/21 20:02	1
4-Bromofluorobenzene (Surr)	95		45 - 153		01/26/21 20:02	1
Toluene-d8 (Surr)	95		73 - 121		01/26/21 20:02	1

Client Sample Results

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Client Sample ID: IA14
Date Collected: 01/17/21 14:49
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-14
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/26/21 20:52	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/26/21 20:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.49**		0.19	ug/m3			01/26/21 20:52	1
1,1,2-Trichloroethane	ND		0.14	ug/m3			01/26/21 20:52	1
1,1-Dichloroethane	ND		0.10	ug/m3			01/26/21 20:52	1
1,1-Dichloroethene	**1.4**		0.099	ug/m3			01/26/21 20:52	1
1,1-Difluoroethane	ND		0.68	ug/m3			01/26/21 20:52	1
1,2,4-Trimethylbenzene	**1.4**		0.25	ug/m3			01/26/21 20:52	1
1,2-Dichloroethane	ND		0.10	ug/m3			01/26/21 20:52	1
1,3,5-Trimethylbenzene	**0.48**		0.12	ug/m3			01/26/21 20:52	1
4-Ethyltoluene	**0.49**		0.25	ug/m3			01/26/21 20:52	1
Benzene	**1.4**		0.080	ug/m3			01/26/21 20:52	1
Bromodichloromethane	ND		0.17	ug/m3			01/26/21 20:52	1
cis-1,2-Dichloroethene	ND		0.099	ug/m3			01/26/21 20:52	1
Carbon tetrachloride	**0.42**		0.31	ug/m3			01/26/21 20:52	1
Chlorobenzene	ND		0.23	ug/m3			01/26/21 20:52	1
Chloroethane	ND		0.066	ug/m3			01/26/21 20:52	1
Chloroform	**0.14**		0.12	ug/m3			01/26/21 20:52	1
Chloromethane	**0.93**		0.052	ug/m3			01/26/21 20:52	1
Dibromochloromethane	ND		0.21	ug/m3			01/26/21 20:52	1
Dichlorodifluoromethane	**2.0**		0.12	ug/m3			01/26/21 20:52	1
Ethylbenzene	**1.0**		0.11	ug/m3			01/26/21 20:52	1
Hexachloro-1,3-butadiene	ND	*1	1.1	ug/m3			01/26/21 20:52	1
Methylene Chloride	**0.53**		0.17	ug/m3			01/26/21 20:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090	ug/m3			01/26/21 20:52	1
o-Xylene	**1.5**		0.11	ug/m3			01/26/21 20:52	1
m,p-Xylene	**3.6**		0.22	ug/m3			01/26/21 20:52	1
trans-1,2-Dichloroethene	ND		0.099	ug/m3			01/26/21 20:52	1
Tetrachloroethene	**1.0**		0.17	ug/m3			01/26/21 20:52	1
Toluene	**6.3**		0.19	ug/m3			01/26/21 20:52	1
Trichloroethene	**0.21**		0.13	ug/m3			01/26/21 20:52	1
Trichlorofluoromethane	**1.1**		0.14	ug/m3			01/26/21 20:52	1
Vinyl chloride	ND		0.13	ug/m3			01/26/21 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*37 - 163*		*01/26/21 20:52*	*1*
4-Bromofluorobenzene (Surr)	*97*		*45 - 153*		*01/26/21 20:52*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/26/21 20:52*	*1*

Client Sample ID: IA15
Date Collected: 01/17/21 14:14
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-15
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/26/21 21:43	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/26/21 21:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.55**		0.19	ug/m3			01/26/21 21:43	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA15 — **Lab Sample ID: 570-48680-15**
Date Collected: 01/17/21 14:14 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/26/21 21:43	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/26/21 21:43	1
1,1-Dichloroethene	**3.6**		0.099		ug/m3			01/26/21 21:43	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/26/21 21:43	1
1,2,4-Trimethylbenzene	**0.97**		0.25		ug/m3			01/26/21 21:43	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/26/21 21:43	1
1,3,5-Trimethylbenzene	**0.31**		0.12		ug/m3			01/26/21 21:43	1
4-Ethyltoluene	**0.30**		0.25		ug/m3			01/26/21 21:43	1
Benzene	**0.96**		0.080		ug/m3			01/26/21 21:43	1
Bromodichloromethane	ND		0.17		ug/m3			01/26/21 21:43	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/26/21 21:43	1
Carbon tetrachloride	**0.44**		0.31		ug/m3			01/26/21 21:43	1
Chlorobenzene	ND		0.23		ug/m3			01/26/21 21:43	1
Chloroethane	ND		0.066		ug/m3			01/26/21 21:43	1
Chloroform	**0.15**		0.12		ug/m3			01/26/21 21:43	1
Chloromethane	**0.80**		0.052		ug/m3			01/26/21 21:43	1
Dibromochloromethane	ND		0.21		ug/m3			01/26/21 21:43	1
Dichlorodifluoromethane	**2.0**		0.12		ug/m3			01/26/21 21:43	1
Ethylbenzene	**0.64**		0.11		ug/m3			01/26/21 21:43	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/26/21 21:43	1
Methylene Chloride	**0.55**		0.17		ug/m3			01/26/21 21:43	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/26/21 21:43	1
o-Xylene	**0.94**		0.11		ug/m3			01/26/21 21:43	1
m,p-Xylene	**2.2**		0.22		ug/m3			01/26/21 21:43	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/26/21 21:43	1
Tetrachloroethene	**1.1**		0.17		ug/m3			01/26/21 21:43	1
Toluene	**3.6**		0.19		ug/m3			01/26/21 21:43	1
Trichloroethene	**0.20**		0.13		ug/m3			01/26/21 21:43	1
Trichlorofluoromethane	**1.1**		0.14		ug/m3			01/26/21 21:43	1
Vinyl chloride	ND		0.13		ug/m3			01/26/21 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*37 - 163*		*01/26/21 21:43*	*1*
4-Bromofluorobenzene (Surr)	*96*		*45 - 153*		*01/26/21 21:43*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/26/21 21:43*	*1*

Client Sample ID: IA16 — **Lab Sample ID: 570-48680-16**
Date Collected: 01/17/21 14:43 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/26/21 22:34	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/26/21 22:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.1**		0.19		ug/m3			01/26/21 22:34	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/26/21 22:34	1
1,1-Dichloroethane	**0.30**		0.10		ug/m3			01/26/21 22:34	1
1,1-Difluoroethane	**0.69**		0.68		ug/m3			01/26/21 22:34	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA16 — **Lab Sample ID: 570-48680-16**
Date Collected: 01/17/21 14:43 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**3.6**		0.25		ug/m3			01/26/21 22:34	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/26/21 22:34	1
1,3,5-Trimethylbenzene	**1.2**		0.12		ug/m3			01/26/21 22:34	1
4-Ethyltoluene	**1.1**		0.25		ug/m3			01/26/21 22:34	1
Benzene	**1.7**		0.080		ug/m3			01/26/21 22:34	1
Bromodichloromethane	ND		0.17		ug/m3			01/26/21 22:34	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/26/21 22:34	1
Carbon tetrachloride	**0.45**		0.31		ug/m3			01/26/21 22:34	1
Chlorobenzene	ND		0.23		ug/m3			01/26/21 22:34	1
Chloroethane	ND		0.066		ug/m3			01/26/21 22:34	1
Chloroform	**0.19**		0.12		ug/m3			01/26/21 22:34	1
Chloromethane	**0.81**		0.052		ug/m3			01/26/21 22:34	1
Dibromochloromethane	ND		0.21		ug/m3			01/26/21 22:34	1
Dichlorodifluoromethane	**2.0**		0.12		ug/m3			01/26/21 22:34	1
Ethylbenzene	**2.3**		0.11		ug/m3			01/26/21 22:34	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/26/21 22:34	1
Methylene Chloride	**0.60**		0.17		ug/m3			01/26/21 22:34	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/26/21 22:34	1
o-Xylene	**3.3**		0.11		ug/m3			01/26/21 22:34	1
m,p-Xylene	**9.7**		0.22		ug/m3			01/26/21 22:34	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/26/21 22:34	1
Tetrachloroethene	**13**		0.17		ug/m3			01/26/21 22:34	1
Toluene	**13**		0.19		ug/m3			01/26/21 22:34	1
Trichloroethene	**1.1**		0.13		ug/m3			01/26/21 22:34	1
Trichlorofluoromethane	**1.3**		0.14		ug/m3			01/26/21 22:34	1
Vinyl chloride	ND		0.13		ug/m3			01/26/21 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*37 - 163*		*01/26/21 22:34*	*1*
4-Bromofluorobenzene (Surr)	*100*		*45 - 153*		*01/26/21 22:34*	*1*
Toluene-d8 (Surr)	*97*		*73 - 121*		*01/26/21 22:34*	*1*

Client Sample ID: IA17 — **Lab Sample ID: 570-48680-17**
Date Collected: 01/17/21 14:40 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/27/21 00:16	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/27/21 00:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.51**		0.19		ug/m3			01/27/21 00:16	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 00:16	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 00:16	1
1,1-Dichloroethene	**3.8**		0.099		ug/m3			01/27/21 00:16	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 00:16	1
1,2,4-Trimethylbenzene	**0.85**		0.25		ug/m3			01/27/21 00:16	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 00:16	1
1,3,5-Trimethylbenzene	**0.24**		0.12		ug/m3			01/27/21 00:16	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA17 — **Lab Sample ID: 570-48680-17**
Date Collected: 01/17/21 14:40 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	**0.28**		0.25		ug/m3			01/27/21 00:16	1
Benzene	**0.83**		0.080		ug/m3			01/27/21 00:16	1
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 00:16	1
cis-1,2-Dichloroethene	**0.10**		0.099		ug/m3			01/27/21 00:16	1
Carbon tetrachloride	**0.44**		0.31		ug/m3			01/27/21 00:16	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 00:16	1
Chloroethane	ND		0.066		ug/m3			01/27/21 00:16	1
Chloroform	**0.15**		0.12		ug/m3			01/27/21 00:16	1
Chloromethane	**0.82**		0.052		ug/m3			01/27/21 00:16	1
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 00:16	1
Dichlorodifluoromethane	**2.0**		0.12		ug/m3			01/27/21 00:16	1
Ethylbenzene	**0.51**		0.11		ug/m3			01/27/21 00:16	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/27/21 00:16	1
Methylene Chloride	**0.83**		0.17		ug/m3			01/27/21 00:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 00:16	1
o-Xylene	**0.73**		0.11		ug/m3			01/27/21 00:16	1
m,p-Xylene	**1.8**		0.22		ug/m3			01/27/21 00:16	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 00:16	1
Tetrachloroethene	**1.8**		0.17		ug/m3			01/27/21 00:16	1
Toluene	**3.1**		0.19		ug/m3			01/27/21 00:16	1
Trichloroethene	**0.34**		0.13		ug/m3			01/27/21 00:16	1
Trichlorofluoromethane	**1.1**		0.14		ug/m3			01/27/21 00:16	1
Vinyl chloride	ND		0.13		ug/m3			01/27/21 00:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*37 - 163*		*01/27/21 00:16*	*1*
4-Bromofluorobenzene (Surr)	*96*		*45 - 153*		*01/27/21 00:16*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/27/21 00:16*	*1*

Client Sample ID: IA18 — **Lab Sample ID: 570-48680-18**
Date Collected: 01/17/21 15:19 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/m3			01/27/21 01:07	7.33
1,1,2,2-Tetrachloroethane	ND		1.3		ug/m3			01/27/21 01:07	7.33
1,1,2-Trichloro-1,2,2-trifluoroethane	**3.6**		1.4		ug/m3			01/27/21 01:07	7.33
1,1,2-Trichloroethane	ND		1.0		ug/m3			01/27/21 01:07	7.33
1,1-Dichloroethane	ND		0.74		ug/m3			01/27/21 01:07	7.33
1,1-Dichloroethene	**1.8**		0.73		ug/m3			01/27/21 01:07	7.33
1,1-Difluoroethane	ND		5.0		ug/m3			01/27/21 01:07	7.33
1,2,4-Trimethylbenzene	**2.5**		1.8		ug/m3			01/27/21 01:07	7.33
1,2-Dichloroethane	ND		0.74		ug/m3			01/27/21 01:07	7.33
1,3,5-Trimethylbenzene	ND		0.90		ug/m3			01/27/21 01:07	7.33
4-Ethyltoluene	ND		1.8		ug/m3			01/27/21 01:07	7.33
Benzene	**2.8**		0.59		ug/m3			01/27/21 01:07	7.33
Bromodichloromethane	ND		1.2		ug/m3			01/27/21 01:07	7.33

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA18 — **Lab Sample ID: 570-48680-18**
Date Collected: 01/17/21 15:19 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.73		ug/m3			01/27/21 01:07	7.33
Carbon tetrachloride	**3.2**		2.3		ug/m3			01/27/21 01:07	7.33
Chlorobenzene	ND		1.7		ug/m3			01/27/21 01:07	7.33
Chloroethane	ND		0.48		ug/m3			01/27/21 01:07	7.33
Chloroform	**1.6**		0.89		ug/m3			01/27/21 01:07	7.33
Chloromethane	**6.2**		0.38		ug/m3			01/27/21 01:07	7.33
Dibromochloromethane	ND		1.6		ug/m3			01/27/21 01:07	7.33
Dichlorodifluoromethane	**15**		0.91		ug/m3			01/27/21 01:07	7.33
Ethylbenzene	**1.6**		0.80		ug/m3			01/27/21 01:07	7.33
Hexachloro-1,3-butadiene	ND	*1	7.8		ug/m3			01/27/21 01:07	7.33
Methylene Chloride	**21**		1.3		ug/m3			01/27/21 01:07	7.33
Methyl-t-Butyl Ether (MTBE)	ND		0.66		ug/m3			01/27/21 01:07	7.33
o-Xylene	**2.3**		0.80		ug/m3			01/27/21 01:07	7.33
m,p-Xylene	**5.7**		1.6		ug/m3			01/27/21 01:07	7.33
trans-1,2-Dichloroethene	ND		0.73		ug/m3			01/27/21 01:07	7.33
Tetrachloroethene	**1.3**		1.2		ug/m3			01/27/21 01:07	7.33
Toluene	**7.0**		1.4		ug/m3			01/27/21 01:07	7.33
Trichloroethene	ND		0.98		ug/m3			01/27/21 01:07	7.33
Trichlorofluoromethane	**8.2**		1.0		ug/m3			01/27/21 01:07	7.33
Vinyl chloride	ND		0.94		ug/m3			01/27/21 01:07	7.33

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*37 - 163*		*01/27/21 01:07*	*7.33*
4-Bromofluorobenzene (Surr)	*98*		*45 - 153*		*01/27/21 01:07*	*7.33*
Toluene-d8 (Surr)	*95*		*73 - 121*		*01/27/21 01:07*	*7.33*

Client Sample ID: IA19 — **Lab Sample ID: 570-48680-19**
Date Collected: 01/17/21 14:24 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/27/21 01:58	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/27/21 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.53**		0.19		ug/m3			01/27/21 01:58	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 01:58	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 01:58	1
1,1-Dichloroethene	**2.0**		0.099		ug/m3			01/27/21 01:58	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 01:58	1
1,2,4-Trimethylbenzene	**1.3**		0.25		ug/m3			01/27/21 01:58	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 01:58	1
1,3,5-Trimethylbenzene	**0.43**		0.12		ug/m3			01/27/21 01:58	1
4-Ethyltoluene	**0.36**		0.25		ug/m3			01/27/21 01:58	1
Benzene	**0.91**		0.080		ug/m3			01/27/21 01:58	1
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 01:58	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 01:58	1
Carbon tetrachloride	**0.44**		0.31		ug/m3			01/27/21 01:58	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 01:58	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA19 — **Lab Sample ID: 570-48680-19**
Date Collected: 01/17/21 14:24 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		0.066		ug/m3			01/27/21 01:58	1
Chloroform	**0.16**		0.12		ug/m3			01/27/21 01:58	1
Chloromethane	**0.93**		0.052		ug/m3			01/27/21 01:58	1
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 01:58	1
Dichlorodifluoromethane	**2.1**		0.12		ug/m3			01/27/21 01:58	1
Ethylbenzene	**0.76**		0.11		ug/m3			01/27/21 01:58	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/27/21 01:58	1
Methylene Chloride	**0.57**		0.17		ug/m3			01/27/21 01:58	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 01:58	1
o-Xylene	**1.2**		0.11		ug/m3			01/27/21 01:58	1
m,p-Xylene	**2.9**		0.22		ug/m3			01/27/21 01:58	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 01:58	1
Tetrachloroethene	**0.75**		0.17		ug/m3			01/27/21 01:58	1
Toluene	**3.8**		0.19		ug/m3			01/27/21 01:58	1
Trichloroethene	**0.18**		0.13		ug/m3			01/27/21 01:58	1
Trichlorofluoromethane	**1.2**		0.14		ug/m3			01/27/21 01:58	1
Vinyl chloride	ND		0.13		ug/m3			01/27/21 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*37 - 163*		*01/27/21 01:58*	*1*
4-Bromofluorobenzene (Surr)	*96*		*45 - 153*		*01/27/21 01:58*	*1*
Toluene-d8 (Surr)	*94*		*73 - 121*		*01/27/21 01:58*	*1*

Client Sample ID: IA20 — **Lab Sample ID: 570-48680-20**
Date Collected: 01/17/21 14:16 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/27/21 02:49	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/27/21 02:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.51**		0.19		ug/m3			01/27/21 02:49	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 02:49	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 02:49	1
1,1-Dichloroethene	**2.0**		0.099		ug/m3			01/27/21 02:49	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 02:49	1
1,2,4-Trimethylbenzene	**1.4**		0.25		ug/m3			01/27/21 02:49	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 02:49	1
1,3,5-Trimethylbenzene	**0.43**		0.12		ug/m3			01/27/21 02:49	1
4-Ethyltoluene	**0.39**		0.25		ug/m3			01/27/21 02:49	1
Benzene	**1.1**		0.080		ug/m3			01/27/21 02:49	1
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 02:49	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 02:49	1
Carbon tetrachloride	**0.44**		0.31		ug/m3			01/27/21 02:49	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 02:49	1
Chloroethane	ND		0.066		ug/m3			01/27/21 02:49	1
Chloroform	**0.16**		0.12		ug/m3			01/27/21 02:49	1
Chloromethane	**0.81**		0.052		ug/m3			01/27/21 02:49	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA20 — **Lab Sample ID: 570-48680-20**
Date Collected: 01/17/21 14:16 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 02:49	1
Dichlorodifluoromethane	**2.1**		0.12		ug/m3			01/27/21 02:49	1
Ethylbenzene	**0.82**		0.11		ug/m3			01/27/21 02:49	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/27/21 02:49	1
Methylene Chloride	**0.67**		0.17		ug/m3			01/27/21 02:49	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 02:49	1
o-Xylene	**1.2**		0.11		ug/m3			01/27/21 02:49	1
m,p-Xylene	**2.8**		0.22		ug/m3			01/27/21 02:49	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 02:49	1
Tetrachloroethene	**0.79**		0.17		ug/m3			01/27/21 02:49	1
Toluene	**4.8**		0.19		ug/m3			01/27/21 02:49	1
Trichloroethene	**0.23**		0.13		ug/m3			01/27/21 02:49	1
Trichlorofluoromethane	**1.1**		0.14		ug/m3			01/27/21 02:49	1
Vinyl chloride	ND		0.13		ug/m3			01/27/21 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*37 - 163*		*01/27/21 02:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*45 - 153*		*01/27/21 02:49*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*		*01/27/21 02:49*	*1*

Client Sample ID: IA21 — **Lab Sample ID: 570-48680-21**
Date Collected: 01/17/21 14:18 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/27/21 03:39	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/27/21 03:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.52**		0.19		ug/m3			01/27/21 03:39	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 03:39	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 03:39	1
1,1-Dichloroethene	**1.7**		0.099		ug/m3			01/27/21 03:39	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 03:39	1
1,2,4-Trimethylbenzene	**1.2**		0.25		ug/m3			01/27/21 03:39	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 03:39	1
1,3,5-Trimethylbenzene	**0.34**		0.12		ug/m3			01/27/21 03:39	1
4-Ethyltoluene	**0.34**		0.25		ug/m3			01/27/21 03:39	1
Benzene	**0.96**		0.080		ug/m3			01/27/21 03:39	1
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 03:39	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 03:39	1
Carbon tetrachloride	**0.45**		0.31		ug/m3			01/27/21 03:39	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 03:39	1
Chloroethane	ND		0.066		ug/m3			01/27/21 03:39	1
Chloroform	**0.17**		0.12		ug/m3			01/27/21 03:39	1
Chloromethane	**0.87**		0.052		ug/m3			01/27/21 03:39	1
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 03:39	1
Dichlorodifluoromethane	**2.1**		0.12		ug/m3			01/27/21 03:39	1
Ethylbenzene	**0.69**		0.11		ug/m3			01/27/21 03:39	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA21 — **Lab Sample ID: 570-48680-21**
Date Collected: 01/17/21 14:18 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/27/21 03:39	1
Methylene Chloride	**0.56**		0.17		ug/m3			01/27/21 03:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 03:39	1
o-Xylene	**1.0**		0.11		ug/m3			01/27/21 03:39	1
m,p-Xylene	**2.4**		0.22		ug/m3			01/27/21 03:39	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 03:39	1
Tetrachloroethene	**0.64**		0.17		ug/m3			01/27/21 03:39	1
Toluene	**3.7**		0.19		ug/m3			01/27/21 03:39	1
Trichloroethene	**0.20**		0.13		ug/m3			01/27/21 03:39	1
Trichlorofluoromethane	**1.2**		0.14		ug/m3			01/27/21 03:39	1
Vinyl chloride	ND		0.13		ug/m3			01/27/21 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*37 - 163*		*01/27/21 03:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*45 - 153*		*01/27/21 03:39*	*1*
Toluene-d8 (Surr)	*103*		*73 - 121*		*01/27/21 03:39*	*1*

Client Sample ID: IA22 — **Lab Sample ID: 570-48680-22**
Date Collected: 01/17/21 15:13 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/27/21 04:30	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/27/21 04:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.51**		0.19		ug/m3			01/27/21 04:30	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 04:30	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 04:30	1
1,1-Dichloroethene	**1.3**		0.099		ug/m3			01/27/21 04:30	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 04:30	1
1,2,4-Trimethylbenzene	**1.6**		0.25		ug/m3			01/27/21 04:30	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 04:30	1
1,3,5-Trimethylbenzene	**0.50**		0.12		ug/m3			01/27/21 04:30	1
4-Ethyltoluene	**0.45**		0.25		ug/m3			01/27/21 04:30	1
Benzene	**0.97**		0.080		ug/m3			01/27/21 04:30	1
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 04:30	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 04:30	1
Carbon tetrachloride	**0.43**		0.31		ug/m3			01/27/21 04:30	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 04:30	1
Chloroethane	ND		0.066		ug/m3			01/27/21 04:30	1
Chloroform	**0.17**		0.12		ug/m3			01/27/21 04:30	1
Chloromethane	**0.84**		0.052		ug/m3			01/27/21 04:30	1
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 04:30	1
Dichlorodifluoromethane	**2.1**		0.12		ug/m3			01/27/21 04:30	1
Ethylbenzene	**0.88**		0.11		ug/m3			01/27/21 04:30	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/27/21 04:30	1
Methylene Chloride	**0.70**		0.17		ug/m3			01/27/21 04:30	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 04:30	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA22 — **Lab Sample ID: 570-48680-22**
Date Collected: 01/17/21 15:13 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**1.4**		0.11	ug/m3			01/27/21 04:30	1
m,p-Xylene	**3.2**		0.22	ug/m3			01/27/21 04:30	1
trans-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 04:30	1
Tetrachloroethene	**0.70**		0.17	ug/m3			01/27/21 04:30	1
Toluene	**4.1**		0.19	ug/m3			01/27/21 04:30	1
Trichloroethene	**0.23**		0.13	ug/m3			01/27/21 04:30	1
Trichlorofluoromethane	**1.2**		0.14	ug/m3			01/27/21 04:30	1
Vinyl chloride	ND		0.13	ug/m3			01/27/21 04:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*37 - 163*		*01/27/21 04:30*	*1*
4-Bromofluorobenzene (Surr)	*98*		*45 - 153*		*01/27/21 04:30*	*1*
Toluene-d8 (Surr)	*95*		*73 - 121*		*01/27/21 04:30*	*1*

Client Sample ID: IA23 — **Lab Sample ID: 570-48680-23**
Date Collected: 01/17/21 14:37 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/27/21 05:21	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/27/21 05:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19	ug/m3			01/27/21 05:21	1
1,1,2-Trichloroethane	ND		0.14	ug/m3			01/27/21 05:21	1
1,1-Dichloroethane	ND		0.10	ug/m3			01/27/21 05:21	1
1,1-Dichloroethene	**1.3**		0.099	ug/m3			01/27/21 05:21	1
1,1-Difluoroethane	ND		0.68	ug/m3			01/27/21 05:21	1
1,2,4-Trimethylbenzene	**1.4**		0.25	ug/m3			01/27/21 05:21	1
1,2-Dichloroethane	ND		0.10	ug/m3			01/27/21 05:21	1
1,3,5-Trimethylbenzene	**0.40**		0.12	ug/m3			01/27/21 05:21	1
4-Ethyltoluene	**0.43**		0.25	ug/m3			01/27/21 05:21	1
Benzene	**0.94**		0.080	ug/m3			01/27/21 05:21	1
Bromodichloromethane	ND		0.17	ug/m3			01/27/21 05:21	1
cis-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 05:21	1
Carbon tetrachloride	**0.44**		0.31	ug/m3			01/27/21 05:21	1
Chlorobenzene	ND		0.23	ug/m3			01/27/21 05:21	1
Chloroethane	ND		0.066	ug/m3			01/27/21 05:21	1
Chloroform	**0.16**		0.12	ug/m3			01/27/21 05:21	1
Chloromethane	**0.83**		0.052	ug/m3			01/27/21 05:21	1
Dibromochloromethane	ND		0.21	ug/m3			01/27/21 05:21	1
Dichlorodifluoromethane	**2.1**		0.12	ug/m3			01/27/21 05:21	1
Ethylbenzene	**0.78**		0.11	ug/m3			01/27/21 05:21	1
Hexachloro-1,3-butadiene	ND	*1	1.1	ug/m3			01/27/21 05:21	1
Methylene Chloride	**0.64**		0.17	ug/m3			01/27/21 05:21	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090	ug/m3			01/27/21 05:21	1
o-Xylene	**1.2**		0.11	ug/m3			01/27/21 05:21	1
m,p-Xylene	**2.8**		0.22	ug/m3			01/27/21 05:21	1
trans-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 05:21	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA23 — **Lab Sample ID: 570-48680-23**
Date Collected: 01/17/21 14:37 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**0.64**		0.17	ug/m3			01/27/21 05:21	1
Toluene	**3.8**		0.19	ug/m3			01/27/21 05:21	1
Trichloroethene	**0.20**		0.13	ug/m3			01/27/21 05:21	1
Trichlorofluoromethane	**1.1**		0.14	ug/m3			01/27/21 05:21	1
Vinyl chloride	ND		0.13	ug/m3			01/27/21 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*37 - 163*		*01/27/21 05:21*	*1*
4-Bromofluorobenzene (Surr)	*98*		*45 - 153*		*01/27/21 05:21*	*1*
Toluene-d8 (Surr)	*94*		*73 - 121*		*01/27/21 05:21*	*1*

Client Sample ID: IA24 — **Lab Sample ID: 570-48680-24**
Date Collected: 01/17/21 15:16 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.23	ug/m3			01/27/21 06:12	1.67
1,1,2,2-Tetrachloroethane	ND		0.29	ug/m3			01/27/21 06:12	1.67
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.53**		0.32	ug/m3			01/27/21 06:12	1.67
1,1,2-Trichloroethane	ND		0.23	ug/m3			01/27/21 06:12	1.67
1,1-Dichloroethane	ND		0.17	ug/m3			01/27/21 06:12	1.67
1,1-Dichloroethene	**0.62**		0.17	ug/m3			01/27/21 06:12	1.67
1,1-Difluoroethane	ND		1.1	ug/m3			01/27/21 06:12	1.67
1,2,4-Trimethylbenzene	**1.1**		0.41	ug/m3			01/27/21 06:12	1.67
1,2-Dichloroethane	ND		0.17	ug/m3			01/27/21 06:12	1.67
1,3,5-Trimethylbenzene	**0.31**		0.21	ug/m3			01/27/21 06:12	1.67
4-Ethyltoluene	ND		0.41	ug/m3			01/27/21 06:12	1.67
Benzene	**0.88**		0.13	ug/m3			01/27/21 06:12	1.67
Bromodichloromethane	ND		0.28	ug/m3			01/27/21 06:12	1.67
cis-1,2-Dichloroethene	ND		0.17	ug/m3			01/27/21 06:12	1.67
Carbon tetrachloride	ND		0.53	ug/m3			01/27/21 06:12	1.67
Chlorobenzene	ND		0.38	ug/m3			01/27/21 06:12	1.67
Chloroethane	ND		0.11	ug/m3			01/27/21 06:12	1.67
Chloroform	ND		0.20	ug/m3			01/27/21 06:12	1.67
Chloromethane	**0.87**		0.086	ug/m3			01/27/21 06:12	1.67
Dibromochloromethane	ND		0.36	ug/m3			01/27/21 06:12	1.67
Dichlorodifluoromethane	**2.2**		0.21	ug/m3			01/27/21 06:12	1.67
Ethylbenzene	**0.67**		0.18	ug/m3			01/27/21 06:12	1.67
Hexachloro-1,3-butadiene	ND	*1	1.8	ug/m3			01/27/21 06:12	1.67
Methylene Chloride	**0.61**		0.29	ug/m3			01/27/21 06:12	1.67
Methyl-t-Butyl Ether (MTBE)	ND		0.15	ug/m3			01/27/21 06:12	1.67
o-Xylene	**0.96**		0.18	ug/m3			01/27/21 06:12	1.67
m,p-Xylene	**2.3**		0.36	ug/m3			01/27/21 06:12	1.67
trans-1,2-Dichloroethene	ND		0.17	ug/m3			01/27/21 06:12	1.67
Tetrachloroethene	**0.58**		0.28	ug/m3			01/27/21 06:12	1.67
Toluene	**3.5**		0.31	ug/m3			01/27/21 06:12	1.67
Trichloroethene	ND		0.22	ug/m3			01/27/21 06:12	1.67

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: IA24 — **Lab Sample ID: 570-48680-24**
Date Collected: 01/17/21 15:16 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	**1.2**		0.23		ug/m3			01/27/21 06:12	1.67
Vinyl chloride	ND		0.21		ug/m3			01/27/21 06:12	1.67

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*37 - 163*		*01/27/21 06:12*	*1.67*
4-Bromofluorobenzene (Surr)	*98*		*45 - 153*		*01/27/21 06:12*	*1.67*
Toluene-d8 (Surr)	*95*		*73 - 121*		*01/27/21 06:12*	*1.67*

Client Sample ID: IA25 — **Lab Sample ID: 570-48680-25**
Date Collected: 01/17/21 14:30 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/27/21 07:03	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/27/21 07:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.48**		0.19		ug/m3			01/27/21 07:03	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 07:03	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 07:03	1
1,1-Dichloroethene	**0.60**		0.099		ug/m3			01/27/21 07:03	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 07:03	1
1,2,4-Trimethylbenzene	**1.1**		0.25		ug/m3			01/27/21 07:03	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 07:03	1
1,3,5-Trimethylbenzene	**0.32**		0.12		ug/m3			01/27/21 07:03	1
4-Ethyltoluene	**0.32**		0.25		ug/m3			01/27/21 07:03	1
Benzene	**0.84**		0.080		ug/m3			01/27/21 07:03	1
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 07:03	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 07:03	1
Carbon tetrachloride	**0.42**		0.31		ug/m3			01/27/21 07:03	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 07:03	1
Chloroethane	ND		0.066		ug/m3			01/27/21 07:03	1
Chloroform	**0.16**		0.12		ug/m3			01/27/21 07:03	1
Chloromethane	**0.84**		0.052		ug/m3			01/27/21 07:03	1
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 07:03	1
Dichlorodifluoromethane	**2.0**		0.12		ug/m3			01/27/21 07:03	1
Ethylbenzene	**0.65**		0.11		ug/m3			01/27/21 07:03	1
Hexachloro-1,3-butadiene	ND	*1	1.1		ug/m3			01/27/21 07:03	1
Methylene Chloride	**0.53**		0.17		ug/m3			01/27/21 07:03	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 07:03	1
o-Xylene	**0.96**		0.11		ug/m3			01/27/21 07:03	1
m,p-Xylene	**2.3**		0.22		ug/m3			01/27/21 07:03	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 07:03	1
Tetrachloroethene	**0.42**		0.17		ug/m3			01/27/21 07:03	1
Toluene	**3.2**		0.19		ug/m3			01/27/21 07:03	1
Trichloroethene	ND		0.13		ug/m3			01/27/21 07:03	1
Trichlorofluoromethane	**1.1**		0.14		ug/m3			01/27/21 07:03	1
Vinyl chloride	ND		0.13		ug/m3			01/27/21 07:03	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		37 - 163		01/27/21 07:03	1
4-Bromofluorobenzene (Surr)	99		45 - 153		01/27/21 07:03	1
Toluene-d8 (Surr)	107		73 - 121		01/27/21 07:03	1

Client Sample ID: IA26
Date Collected: 01/17/21 14:31
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-26
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/27/21 07:54	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/27/21 07:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19	ug/m3			01/27/21 07:54	1
1,1,2-Trichloroethane	ND		0.14	ug/m3			01/27/21 07:54	1
1,1-Dichloroethane	ND		0.10	ug/m3			01/27/21 07:54	1
1,1-Dichloroethene	**0.84**		0.099	ug/m3			01/27/21 07:54	1
1,1-Difluoroethane	ND		0.68	ug/m3			01/27/21 07:54	1
1,2,4-Trimethylbenzene	**1.0**		0.25	ug/m3			01/27/21 07:54	1
1,2-Dichloroethane	ND		0.10	ug/m3			01/27/21 07:54	1
1,3,5-Trimethylbenzene	**0.32**		0.12	ug/m3			01/27/21 07:54	1
4-Ethyltoluene	**0.31**		0.25	ug/m3			01/27/21 07:54	1
Benzene	**0.91**		0.080	ug/m3			01/27/21 07:54	1
Bromodichloromethane	ND		0.17	ug/m3			01/27/21 07:54	1
cis-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 07:54	1
Carbon tetrachloride	**0.44**		0.31	ug/m3			01/27/21 07:54	1
Chlorobenzene	ND		0.23	ug/m3			01/27/21 07:54	1
Chloroethane	ND		0.066	ug/m3			01/27/21 07:54	1
Chloroform	**0.16**		0.12	ug/m3			01/27/21 07:54	1
Chloromethane	**0.86**		0.052	ug/m3			01/27/21 07:54	1
Dibromochloromethane	ND		0.21	ug/m3			01/27/21 07:54	1
Dichlorodifluoromethane	**2.1**		0.12	ug/m3			01/27/21 07:54	1
Ethylbenzene	**0.66**		0.11	ug/m3			01/27/21 07:54	1
Hexachloro-1,3-butadiene	ND	*1	1.1	ug/m3			01/27/21 07:54	1
Methylene Chloride	**0.61**		0.17	ug/m3			01/27/21 07:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090	ug/m3			01/27/21 07:54	1
o-Xylene	**0.97**		0.11	ug/m3			01/27/21 07:54	1
m,p-Xylene	**2.3**		0.22	ug/m3			01/27/21 07:54	1
trans-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 07:54	1
Tetrachloroethene	**0.44**		0.17	ug/m3			01/27/21 07:54	1
Toluene	**3.3**		0.19	ug/m3			01/27/21 07:54	1
Trichloroethene	ND		0.13	ug/m3			01/27/21 07:54	1
Trichlorofluoromethane	**1.1**		0.14	ug/m3			01/27/21 07:54	1
Vinyl chloride	ND		0.13	ug/m3			01/27/21 07:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		37 - 163		01/27/21 07:54	1
4-Bromofluorobenzene (Surr)	96		45 - 153		01/27/21 07:54	1
Toluene-d8 (Surr)	94		73 - 121		01/27/21 07:54	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Client Sample ID: IA27
Date Collected: 01/17/21 14:20
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-27
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/27/21 08:45	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/27/21 08:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.52**		0.19	ug/m3			01/27/21 08:45	1
1,1,2-Trichloroethane	ND		0.14	ug/m3			01/27/21 08:45	1
1,1-Dichloroethane	ND		0.10	ug/m3			01/27/21 08:45	1
1,1-Dichloroethene	**1.4**		0.099	ug/m3			01/27/21 08:45	1
1,1-Difluoroethane	ND		0.68	ug/m3			01/27/21 08:45	1
1,2,4-Trimethylbenzene	**1.4**		0.25	ug/m3			01/27/21 08:45	1
1,2-Dichloroethane	ND		0.10	ug/m3			01/27/21 08:45	1
1,3,5-Trimethylbenzene	**0.44**		0.12	ug/m3			01/27/21 08:45	1
4-Ethyltoluene	**0.41**		0.25	ug/m3			01/27/21 08:45	1
Benzene	**1.1**		0.080	ug/m3			01/27/21 08:45	1
Bromodichloromethane	ND		0.17	ug/m3			01/27/21 08:45	1
cis-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 08:45	1
Carbon tetrachloride	**0.44**		0.31	ug/m3			01/27/21 08:45	1
Chlorobenzene	ND		0.23	ug/m3			01/27/21 08:45	1
Chloroethane	ND		0.066	ug/m3			01/27/21 08:45	1
Chloroform	**0.17**		0.12	ug/m3			01/27/21 08:45	1
Chloromethane	**0.79**		0.052	ug/m3			01/27/21 08:45	1
Dibromochloromethane	ND		0.21	ug/m3			01/27/21 08:45	1
Dichlorodifluoromethane	**2.1**		0.12	ug/m3			01/27/21 08:45	1
Ethylbenzene	**0.86**		0.11	ug/m3			01/27/21 08:45	1
Hexachloro-1,3-butadiene	ND	*1	1.1	ug/m3			01/27/21 08:45	1
Methylene Chloride	**0.60**		0.17	ug/m3			01/27/21 08:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090	ug/m3			01/27/21 08:45	1
o-Xylene	**1.3**		0.11	ug/m3			01/27/21 08:45	1
m,p-Xylene	**3.1**		0.22	ug/m3			01/27/21 08:45	1
trans-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 08:45	1
Tetrachloroethene	**0.71**		0.17	ug/m3			01/27/21 08:45	1
Toluene	**4.3**		0.19	ug/m3			01/27/21 08:45	1
Trichloroethene	**0.26**		0.13	ug/m3			01/27/21 08:45	1
Trichlorofluoromethane	**1.2**		0.14	ug/m3			01/27/21 08:45	1
Vinyl chloride	ND		0.13	ug/m3			01/27/21 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*37 - 163*		*01/27/21 08:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*45 - 153*		*01/27/21 08:45*	*1*
Toluene-d8 (Surr)	*95*		*73 - 121*		*01/27/21 08:45*	*1*

Client Sample ID: OA1
Date Collected: 01/17/21 15:04
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-28
Matrix: Air

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/27/21 19:12	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/27/21 19:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.48**		0.19	ug/m3			01/27/21 19:12	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: OA1 — **Lab Sample ID: 570-48680-28**
Date Collected: 01/17/21 15:04 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 19:12	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 19:12	1
1,1-Dichloroethene	**0.16**		0.099		ug/m3			01/27/21 19:12	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 19:12	1
1,2,4-Trimethylbenzene	**0.30**		0.25		ug/m3			01/27/21 19:12	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 19:12	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			01/27/21 19:12	1
4-Ethyltoluene	ND		0.25		ug/m3			01/27/21 19:12	1
Benzene	**0.75**		0.080		ug/m3			01/27/21 19:12	1
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 19:12	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 19:12	1
Carbon tetrachloride	**0.43**		0.31		ug/m3			01/27/21 19:12	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 19:12	1
Chloroethane	ND		0.066		ug/m3			01/27/21 19:12	1
Chloroform	**0.15**		0.12		ug/m3			01/27/21 19:12	1
Chloromethane	**0.75**		0.052		ug/m3			01/27/21 19:12	1
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 19:12	1
Dichlorodifluoromethane	**2.0**		0.12		ug/m3			01/27/21 19:12	1
Ethylbenzene	**0.30**		0.11		ug/m3			01/27/21 19:12	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/27/21 19:12	1
Methylene Chloride	**0.52**		0.17		ug/m3			01/27/21 19:12	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 19:12	1
o-Xylene	**0.40**		0.11		ug/m3			01/27/21 19:12	1
m,p-Xylene	**0.89**		0.22		ug/m3			01/27/21 19:12	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 19:12	1
Tetrachloroethene	ND		0.17		ug/m3			01/27/21 19:12	1
Toluene	**2.0**		0.19		ug/m3			01/27/21 19:12	1
Trichloroethene	ND		0.13		ug/m3			01/27/21 19:12	1
Trichlorofluoromethane	**1.1**		0.14		ug/m3			01/27/21 19:12	1
Vinyl chloride	ND		0.13		ug/m3			01/27/21 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*37 - 163*		*01/27/21 19:12*	*1*
4-Bromofluorobenzene (Surr)	*91*		*45 - 153*		*01/27/21 19:12*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/27/21 19:12*	*1*

Client Sample ID: OA2 — **Lab Sample ID: 570-48680-29**
Date Collected: 01/17/21 15:01 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/27/21 20:03	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/27/21 20:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19		ug/m3			01/27/21 20:03	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 20:03	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 20:03	1
1,1-Dichloroethene	**0.18**		0.099		ug/m3			01/27/21 20:03	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: OA2
Date Collected: 01/17/21 15:01
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-29
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 20:03	1
1,2,4-Trimethylbenzene	**0.38**		0.25		ug/m3			01/27/21 20:03	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 20:03	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			01/27/21 20:03	1
4-Ethyltoluene	ND		0.25		ug/m3			01/27/21 20:03	1
Benzene	**0.74**		0.080		ug/m3			01/27/21 20:03	1
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 20:03	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 20:03	1
Carbon tetrachloride	**0.45**		0.31		ug/m3			01/27/21 20:03	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 20:03	1
Chloroethane	ND		0.066		ug/m3			01/27/21 20:03	1
Chloroform	**0.15**		0.12		ug/m3			01/27/21 20:03	1
Chloromethane	**0.85**		0.052		ug/m3			01/27/21 20:03	1
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 20:03	1
Dichlorodifluoromethane	**2.1**		0.12		ug/m3			01/27/21 20:03	1
Ethylbenzene	**0.33**		0.11		ug/m3			01/27/21 20:03	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/27/21 20:03	1
Methylene Chloride	**0.55**		0.17		ug/m3			01/27/21 20:03	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 20:03	1
o-Xylene	**0.42**		0.11		ug/m3			01/27/21 20:03	1
m,p-Xylene	**0.98**		0.22		ug/m3			01/27/21 20:03	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 20:03	1
Tetrachloroethene	ND		0.17		ug/m3			01/27/21 20:03	1
Toluene	**2.2**		0.19		ug/m3			01/27/21 20:03	1
Trichloroethene	ND		0.13		ug/m3			01/27/21 20:03	1
Trichlorofluoromethane	**1.2**		0.14		ug/m3			01/27/21 20:03	1
Vinyl chloride	ND		0.13		ug/m3			01/27/21 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*37 - 163*		*01/27/21 20:03*	*1*
4-Bromofluorobenzene (Surr)	*94*		*45 - 153*		*01/27/21 20:03*	*1*
Toluene-d8 (Surr)	*101*		*73 - 121*		*01/27/21 20:03*	*1*

Client Sample ID: OA3
Date Collected: 01/17/21 15:22
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-30
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/28/21 18:43	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/28/21 18:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.46**		0.19		ug/m3			01/28/21 18:43	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/28/21 18:43	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/28/21 18:43	1
1,1-Dichloroethene	ND		0.099		ug/m3			01/28/21 18:43	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/28/21 18:43	1
1,2,4-Trimethylbenzene	ND		0.25		ug/m3			01/28/21 18:43	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/28/21 18:43	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: OA3 — **Lab Sample ID: 570-48680-30**
Date Collected: 01/17/21 15:22 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			01/28/21 18:43	1
4-Ethyltoluene	ND		0.25		ug/m3			01/28/21 18:43	1
Benzene	**0.67**		0.080		ug/m3			01/28/21 18:43	1
Bromodichloromethane	ND		0.17		ug/m3			01/28/21 18:43	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/28/21 18:43	1
Carbon tetrachloride	**0.40**		0.31		ug/m3			01/28/21 18:43	1
Chlorobenzene	ND		0.23		ug/m3			01/28/21 18:43	1
Chloroethane	ND		0.066		ug/m3			01/28/21 18:43	1
Chloroform	**0.12**		0.12		ug/m3			01/28/21 18:43	1
Chloromethane	**0.80**		0.052		ug/m3			01/28/21 18:43	1
Dibromochloromethane	ND		0.21		ug/m3			01/28/21 18:43	1
Dichlorodifluoromethane	**2.0**		0.12		ug/m3			01/28/21 18:43	1
Ethylbenzene	**0.25**		0.11		ug/m3			01/28/21 18:43	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/28/21 18:43	1
Methylene Chloride	**0.50**		0.17		ug/m3			01/28/21 18:43	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/28/21 18:43	1
o-Xylene	**0.33**		0.11		ug/m3			01/28/21 18:43	1
m,p-Xylene	**0.70**		0.22		ug/m3			01/28/21 18:43	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/28/21 18:43	1
Tetrachloroethene	ND		0.17		ug/m3			01/28/21 18:43	1
Toluene	**1.7**		0.19		ug/m3			01/28/21 18:43	1
Trichloroethene	ND		0.13		ug/m3			01/28/21 18:43	1
Trichlorofluoromethane	**1.1**		0.14		ug/m3			01/28/21 18:43	1
Vinyl chloride	ND		0.13		ug/m3			01/28/21 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*37 - 163*		*01/28/21 18:43*	*1*
4-Bromofluorobenzene (Surr)	*93*		*45 - 153*		*01/28/21 18:43*	*1*
Toluene-d8 (Surr)	*94*		*73 - 121*		*01/28/21 18:43*	*1*

Client Sample ID: OA4 — **Lab Sample ID: 570-48680-31**
Date Collected: 01/17/21 15:09 — **Matrix: Air**
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/27/21 21:45	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/27/21 21:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.50**		0.19		ug/m3			01/27/21 21:45	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/27/21 21:45	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/27/21 21:45	1
1,1-Dichloroethene	**0.18**		0.099		ug/m3			01/27/21 21:45	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/27/21 21:45	1
1,2,4-Trimethylbenzene	**0.45**		0.25		ug/m3			01/27/21 21:45	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/27/21 21:45	1
1,3,5-Trimethylbenzene	**0.13**		0.12		ug/m3			01/27/21 21:45	1
4-Ethyltoluene	ND		0.25		ug/m3			01/27/21 21:45	1
Benzene	**0.82**		0.080		ug/m3			01/27/21 21:45	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Client Sample ID: OA4
Date Collected: 01/17/21 15:09
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-31
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.17		ug/m3			01/27/21 21:45	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 21:45	1
Carbon tetrachloride	**0.44**		0.31		ug/m3			01/27/21 21:45	1
Chlorobenzene	ND		0.23		ug/m3			01/27/21 21:45	1
Chloroethane	ND		0.066		ug/m3			01/27/21 21:45	1
Chloroform	**0.14**		0.12		ug/m3			01/27/21 21:45	1
Chloromethane	**0.83**		0.052		ug/m3			01/27/21 21:45	1
Dibromochloromethane	ND		0.21		ug/m3			01/27/21 21:45	1
Dichlorodifluoromethane	**2.1**		0.12		ug/m3			01/27/21 21:45	1
Ethylbenzene	**0.41**		0.11		ug/m3			01/27/21 21:45	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/27/21 21:45	1
Methylene Chloride	**0.55**		0.17		ug/m3			01/27/21 21:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/27/21 21:45	1
o-Xylene	**0.55**		0.11		ug/m3			01/27/21 21:45	1
m,p-Xylene	**1.3**		0.22		ug/m3			01/27/21 21:45	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/27/21 21:45	1
Tetrachloroethene	ND		0.17		ug/m3			01/27/21 21:45	1
Toluene	**2.5**		0.19		ug/m3			01/27/21 21:45	1
Trichloroethene	ND		0.13		ug/m3			01/27/21 21:45	1
Trichlorofluoromethane	**1.2**		0.14		ug/m3			01/27/21 21:45	1
Vinyl chloride	ND		0.13		ug/m3			01/27/21 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*37 - 163*		*01/27/21 21:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*45 - 153*		*01/27/21 21:45*	*1*
Toluene-d8 (Surr)	*94*		*73 - 121*		*01/27/21 21:45*	*1*

Client Sample Results

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Client Sample ID: IA16
Date Collected: 01/17/21 14:43
Date Received: 01/18/21 07:00
Sample Container: Summa Canister 6L

Lab Sample ID: 570-48680-16
Matrix: Air

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	**26**		0.25		ug/m3			01/29/21 10:20	2.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*37 - 163*		*01/29/21 10:20*	*2.5*
4-Bromofluorobenzene (Surr)	*95*		*45 - 153*		*01/29/21 10:20*	*2.5*
Toluene-d8 (Surr)	*101*		*73 - 121*		*01/29/21 10:20*	*2.5*

Surrogate Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(37-163)	(45-153)	(73-121)
570-48680-1	IA1	86	84	104
570-48680-2	IA2	81	86	94
570-48680-3	IA3	87	85	94
570-48680-4	IA4	85	87	105
570-48680-5	IA5	84	88	103
570-48680-6	IA6	87	88	98
570-48680-7	IA7	85	91	96
570-48680-8	IA8	85	88	95
570-48680-9	IA9	85	90	103
570-48680-10	IA10	84	91	101
570-48680-11	IA11	95	94	96
570-48680-12	IA12	95	97	95
570-48680-13	IA13	95	95	95
570-48680-14	IA14	94	97	104
570-48680-15	IA15	95	96	104
570-48680-16	IA16	94	100	97
570-48680-16 - DL	IA16	102	95	101
570-48680-17	IA17	94	96	104
570-48680-18	IA18	95	98	95
570-48680-19	IA19	96	96	94
570-48680-20	IA20	94	97	96
570-48680-21	IA21	96	96	103
570-48680-22	IA22	94	98	95
570-48680-23	IA23	95	98	94
570-48680-24	IA24	96	98	95
570-48680-25	IA25	94	99	107
570-48680-26	IA26	95	96	94
570-48680-27	IA27	93	96	95
570-48680-28	OA1	94	91	104
570-48680-29	OA2	95	94	101
570-48680-30	OA3	96	93	94
570-48680-31	OA4	95	96	94
LCS 570-123139/4	Lab Control Sample	87	89	92
LCS 570-124595/5	Lab Control Sample	99	100	95
LCS 570-124949/7	Lab Control Sample	99	101	102
LCS 570-125278/5	Lab Control Sample	100	103	93
LCSD 570-123139/5	Lab Control Sample Dup	86	90	102
LCSD 570-124595/6	Lab Control Sample Dup	100	102	101
LCSD 570-124949/10	Lab Control Sample Dup	99	97	105
LCSD 570-125278/6	Lab Control Sample Dup	100	102	103
MB 570-123139/7	Method Blank	79	69	96
MB 570-124595/10	Method Blank	95	93	99
MB 570-124949/9	Method Blank	94	88	104
MB 570-125278/8	Method Blank	97	95	98

Surrogate Legend

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

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 570-123139/7
Matrix: Air
Analysis Batch: 123139

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/19/21 14:12	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/19/21 14:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.19		ug/m3			01/19/21 14:12	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/19/21 14:12	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/19/21 14:12	1
1,1-Dichloroethene	ND		0.099		ug/m3			01/19/21 14:12	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/19/21 14:12	1
1,2,4-Trimethylbenzene	ND		0.25		ug/m3			01/19/21 14:12	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/19/21 14:12	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			01/19/21 14:12	1
4-Ethyltoluene	ND		0.25		ug/m3			01/19/21 14:12	1
Benzene	ND		0.080		ug/m3			01/19/21 14:12	1
Bromodichloromethane	ND		0.17		ug/m3			01/19/21 14:12	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/19/21 14:12	1
Carbon tetrachloride	ND		0.31		ug/m3			01/19/21 14:12	1
Chlorobenzene	ND		0.23		ug/m3			01/19/21 14:12	1
Chloroethane	ND		0.066		ug/m3			01/19/21 14:12	1
Chloroform	ND		0.12		ug/m3			01/19/21 14:12	1
Chloromethane	ND		0.052		ug/m3			01/19/21 14:12	1
Dibromochloromethane	ND		0.21		ug/m3			01/19/21 14:12	1
Dichlorodifluoromethane	ND		0.12		ug/m3			01/19/21 14:12	1
Ethylbenzene	ND		0.11		ug/m3			01/19/21 14:12	1
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/19/21 14:12	1
Methylene Chloride	ND		0.17		ug/m3			01/19/21 14:12	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/19/21 14:12	1
o-Xylene	ND		0.11		ug/m3			01/19/21 14:12	1
m,p-Xylene	ND		0.22		ug/m3			01/19/21 14:12	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/19/21 14:12	1
Tetrachloroethene	ND		0.17		ug/m3			01/19/21 14:12	1
Toluene	ND		0.19		ug/m3			01/19/21 14:12	1
Trichloroethene	ND		0.13		ug/m3			01/19/21 14:12	1
Trichlorofluoromethane	ND		0.14		ug/m3			01/19/21 14:12	1
Vinyl chloride	ND		0.13		ug/m3			01/19/21 14:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*79*		*37 - 163*		*01/19/21 14:12*	*1*
4-Bromofluorobenzene (Surr)	*69*		*45 - 153*		*01/19/21 14:12*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*		*01/19/21 14:12*	*1*

Lab Sample ID: LCS 570-123139/4
Matrix: Air
Analysis Batch: 123139

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.73	3.120		ug/m3		114	50 - 150
1,1,2,2-Tetrachloroethane	3.43	4.109		ug/m3		120	50 - 150
1,1,2-Trichloro-1,2,2-trifluoroetha ne	3.83	4.397		ug/m3		115	50 - 150

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 570-123139/4
Matrix: Air
Analysis Batch: 123139

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	2.73	3.375		ug/m3		124	27 - 171
1,1-Dichloroethane	2.02	2.247		ug/m3		111	50 - 150
1,1-Dichloroethene	1.98	2.324		ug/m3		117	50 - 150
1,1-Difluoroethane	1.35	1.169		ug/m3		87	50 - 150
1,2,4-Trimethylbenzene	2.46	2.356		ug/m3		96	50 - 150
1,2-Dichloroethane	2.02	2.260		ug/m3		112	28 - 166
1,3,5-Trimethylbenzene	2.46	2.574		ug/m3		105	50 - 150
4-Ethyltoluene	2.46	2.481		ug/m3		101	50 - 150
Benzene	1.60	2.081		ug/m3		130	27 - 153
Bromodichloromethane	3.35	3.999		ug/m3		119	50 - 150
cis-1,2-Dichloroethene	1.98	2.005		ug/m3		101	35 - 165
Carbon tetrachloride	3.15	3.579		ug/m3		114	7 - 187
Chlorobenzene	2.30	2.722		ug/m3		118	50 - 150
Chloroethane	1.32	1.458		ug/m3		111	50 - 150
Chloroform	2.44	2.853		ug/m3		117	50 - 150
Chloromethane	1.03	1.079		ug/m3		105	50 - 150
Dibromochloromethane	4.26	5.175		ug/m3		121	50 - 150
Dichlorodifluoromethane	2.47	2.919		ug/m3		118	50 - 150
Ethylbenzene	2.17	2.374		ug/m3		109	27 - 153
Hexachloro-1,3-butadiene	5.33	5.755		ug/m3		108	50 - 150
Methylene Chloride	1.74	1.862		ug/m3		107	50 - 150
Methyl-t-Butyl Ether (MTBE)	1.80	1.858		ug/m3		103	50 - 150
o-Xylene	2.17	2.364		ug/m3		109	22 - 160
m,p-Xylene	4.34	4.782		ug/m3		110	21 - 165
trans-1,2-Dichloroethene	1.98	2.167		ug/m3		109	50 - 150
Tetrachloroethene	3.39	4.303		ug/m3		127	34 - 154
Toluene	1.88	2.210		ug/m3		117	28 - 154
Trichloroethene	2.69	3.522		ug/m3		131	43 - 139
Trichlorofluoromethane	2.81	3.259		ug/m3		116	50 - 150
Vinyl chloride	1.28	1.423		ug/m3		111	44 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*37 - 163*
4-Bromofluorobenzene (Surr)	*89*		*45 - 153*
Toluene-d8 (Surr)	*92*		*73 - 121*

Lab Sample ID: LCSD 570-123139/5
Matrix: Air
Analysis Batch: 123139

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	2.73	2.879		ug/m3		106	50 - 150	8	30
1,1,2,2-Tetrachloroethane	3.43	3.924		ug/m3		114	50 - 150	5	30
1,1,2-Trichloro-1,2,2-trifluoroetha ne	3.83	4.066		ug/m3		106	50 - 150	8	30
1,1,2-Trichloroethane	2.73	3.174		ug/m3		116	27 - 171	6	38
1,1-Dichloroethane	2.02	2.114		ug/m3		104	50 - 150	6	30

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 570-123139/5
Matrix: Air
Analysis Batch: 123139

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	1.98	2.050		ug/m3		103	50 - 150	13	30
1,1-Difluoroethane	1.35	1.038		ug/m3		77	50 - 150	12	30
1,2,4-Trimethylbenzene	2.46	2.237		ug/m3		91	50 - 150	5	30
1,2-Dichloroethane	2.02	2.104		ug/m3		104	28 - 166	7	40
1,3,5-Trimethylbenzene	2.46	2.349		ug/m3		96	50 - 150	9	30
4-Ethyltoluene	2.46	2.282		ug/m3		93	50 - 150	8	30
Benzene	1.60	1.965		ug/m3		123	27 - 153	6	34
Bromodichloromethane	3.35	3.851		ug/m3		115	50 - 150	4	30
cis-1,2-Dichloroethene	1.98	1.842		ug/m3		93	35 - 165	8	35
Carbon tetrachloride	3.15	3.310		ug/m3		105	7 - 187	8	31
Chlorobenzene	2.30	2.577		ug/m3		112	50 - 150	5	30
Chloroethane	1.32	1.318		ug/m3		100	50 - 150	10	30
Chloroform	2.44	2.634		ug/m3		108	50 - 150	8	30
Chloromethane	1.03	0.9422		ug/m3		91	50 - 150	14	30
Dibromochloromethane	4.26	4.948		ug/m3		116	50 - 150	4	30
Dichlorodifluoromethane	2.47	2.605		ug/m3		105	50 - 150	11	30
Ethylbenzene	2.17	2.170		ug/m3		100	27 - 153	9	46
Hexachloro-1,3-butadiene	5.33	5.247		ug/m3		98	50 - 150	9	30
Methylene Chloride	1.74	1.616		ug/m3		93	50 - 150	14	30
Methyl-t-Butyl Ether (MTBE)	1.80	1.730		ug/m3		96	50 - 150	7	30
o-Xylene	2.17	2.200		ug/m3		101	22 - 160	7	48
m,p-Xylene	4.34	4.384		ug/m3		101	21 - 165	9	51
trans-1,2-Dichloroethene	1.98	1.993		ug/m3		101	50 - 150	8	30
Tetrachloroethene	3.39	4.173		ug/m3		123	34 - 154	3	33
Toluene	1.88	2.082		ug/m3		110	28 - 154	6	42
Trichloroethene	2.69	3.359		ug/m3		125	43 - 139	5	31
Trichlorofluoromethane	2.81	2.918		ug/m3		104	50 - 150	11	30
Vinyl chloride	1.28	1.291		ug/m3		101	44 - 140	10	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*37 - 163*
4-Bromofluorobenzene (Surr)	*90*		*45 - 153*
Toluene-d8 (Surr)	*102*		*73 - 121*

Lab Sample ID: MB 570-124595/10
Matrix: Air
Analysis Batch: 124595

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/26/21 18:20	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/26/21 18:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.19	ug/m3			01/26/21 18:20	1
1,1,2-Trichloroethane	ND		0.14	ug/m3			01/26/21 18:20	1
1,1-Dichloroethane	ND		0.10	ug/m3			01/26/21 18:20	1
1,1-Dichloroethene	ND		0.099	ug/m3			01/26/21 18:20	1
1,1-Difluoroethane	ND		0.68	ug/m3			01/26/21 18:20	1
1,2,4-Trimethylbenzene	ND		0.25	ug/m3			01/26/21 18:20	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 570-124595/10
Matrix: Air
Analysis Batch: 124595

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.10	ug/m3			01/26/21 18:20	1
1,3,5-Trimethylbenzene	ND		0.12	ug/m3			01/26/21 18:20	1
4-Ethyltoluene	ND		0.25	ug/m3			01/26/21 18:20	1
Benzene	ND		0.080	ug/m3			01/26/21 18:20	1
Bromodichloromethane	ND		0.17	ug/m3			01/26/21 18:20	1
cis-1,2-Dichloroethene	ND		0.099	ug/m3			01/26/21 18:20	1
Carbon tetrachloride	ND		0.31	ug/m3			01/26/21 18:20	1
Chlorobenzene	ND		0.23	ug/m3			01/26/21 18:20	1
Chloroethane	ND		0.066	ug/m3			01/26/21 18:20	1
Chloroform	ND		0.12	ug/m3			01/26/21 18:20	1
Chloromethane	ND		0.052	ug/m3			01/26/21 18:20	1
Dibromochloromethane	ND		0.21	ug/m3			01/26/21 18:20	1
Dichlorodifluoromethane	ND		0.12	ug/m3			01/26/21 18:20	1
Ethylbenzene	ND		0.11	ug/m3			01/26/21 18:20	1
Hexachloro-1,3-butadiene	ND		1.1	ug/m3			01/26/21 18:20	1
Methylene Chloride	ND		0.17	ug/m3			01/26/21 18:20	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090	ug/m3			01/26/21 18:20	1
o-Xylene	ND		0.11	ug/m3			01/26/21 18:20	1
m,p-Xylene	ND		0.22	ug/m3			01/26/21 18:20	1
trans-1,2-Dichloroethene	ND		0.099	ug/m3			01/26/21 18:20	1
Tetrachloroethene	ND		0.17	ug/m3			01/26/21 18:20	1
Toluene	ND		0.19	ug/m3			01/26/21 18:20	1
Trichloroethene	ND		0.13	ug/m3			01/26/21 18:20	1
Trichlorofluoromethane	ND		0.14	ug/m3			01/26/21 18:20	1
Vinyl chloride	ND		0.13	ug/m3			01/26/21 18:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*37 - 163*		*01/26/21 18:20*	*1*
4-Bromofluorobenzene (Surr)	*93*		*45 - 153*		*01/26/21 18:20*	*1*
Toluene-d8 (Surr)	*99*		*73 - 121*		*01/26/21 18:20*	*1*

Lab Sample ID: LCS 570-124595/5
Matrix: Air
Analysis Batch: 124595

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.73	2.545		ug/m3		93	50 - 150
1,1,2,2-Tetrachloroethane	3.43	3.295		ug/m3		96	50 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	3.83	3.600		ug/m3		94	50 - 150
1,1,2-Trichloroethane	2.73	2.616		ug/m3		96	27 - 171
1,1-Dichloroethane	2.02	1.856		ug/m3		92	50 - 150
1,1-Dichloroethene	1.98	1.872		ug/m3		94	50 - 150
1,1-Difluoroethane	1.35	1.275		ug/m3		94	50 - 150
1,2,4-Trimethylbenzene	2.46	2.106		ug/m3		86	50 - 150
1,2-Dichloroethane	2.02	1.950		ug/m3		96	28 - 166
1,3,5-Trimethylbenzene	2.46	2.247		ug/m3		91	50 - 150

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 570-124595/5
Matrix: Air
Analysis Batch: 124595

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Ethyltoluene	2.46	2.259		ug/m3		92	50 - 150
Benzene	1.60	1.472		ug/m3		92	27 - 153
Bromodichloromethane	3.35	3.252		ug/m3		97	50 - 150
cis-1,2-Dichloroethene	1.98	1.844		ug/m3		93	35 - 165
Carbon tetrachloride	3.15	2.967		ug/m3		94	7 - 187
Chlorobenzene	2.30	2.183		ug/m3		95	50 - 150
Chloroethane	1.32	1.247		ug/m3		95	50 - 150
Chloroform	2.44	2.270		ug/m3		93	50 - 150
Chloromethane	1.03	0.9440		ug/m3		91	50 - 150
Dibromochloromethane	4.26	4.127		ug/m3		97	50 - 150
Dichlorodifluoromethane	2.47	2.378		ug/m3		96	50 - 150
Ethylbenzene	2.17	2.026		ug/m3		93	27 - 153
Hexachloro-1,3-butadiene	5.33	5.747		ug/m3		108	50 - 150
Methylene Chloride	1.74	1.526		ug/m3		88	50 - 150
Methyl-t-Butyl Ether (MTBE)	1.80	1.653		ug/m3		92	50 - 150
o-Xylene	2.17	2.013		ug/m3		93	22 - 160
m,p-Xylene	4.34	4.045		ug/m3		93	21 - 165
trans-1,2-Dichloroethene	1.98	1.826		ug/m3		92	50 - 150
Tetrachloroethene	3.39	3.156		ug/m3		93	34 - 154
Toluene	1.88	1.746		ug/m3		93	28 - 154
Trichloroethene	2.69	2.552		ug/m3		95	43 - 139
Trichlorofluoromethane	2.81	2.682		ug/m3		95	50 - 150
Vinyl chloride	1.28	1.193		ug/m3		93	44 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*37 - 163*
4-Bromofluorobenzene (Surr)	*100*		*45 - 153*
Toluene-d8 (Surr)	*95*		*73 - 121*

Lab Sample ID: LCSD 570-124595/6
Matrix: Air
Analysis Batch: 124595

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	2.73	2.439		ug/m3		89	50 - 150	4	30
1,1,2,2-Tetrachloroethane	3.43	3.098		ug/m3		90	50 - 150	6	30
1,1,2-Trichloro-1,2,2-trifluoroetha ne	3.83	3.448		ug/m3		90	50 - 150	4	30
1,1,2-Trichloroethane	2.73	2.480		ug/m3		91	27 - 171	5	38
1,1-Dichloroethane	2.02	1.788		ug/m3		88	50 - 150	4	30
1,1-Dichloroethene	1.98	1.724		ug/m3		87	50 - 150	8	30
1,1-Difluoroethane	1.35	1.185		ug/m3		88	50 - 150	7	30
1,2,4-Trimethylbenzene	2.46	2.035		ug/m3		83	50 - 150	3	30
1,2-Dichloroethane	2.02	1.852		ug/m3		92	28 - 166	5	40
1,3,5-Trimethylbenzene	2.46	2.008		ug/m3		82	50 - 150	11	30
4-Ethyltoluene	2.46	2.163		ug/m3		88	50 - 150	4	30
Benzene	1.60	1.398		ug/m3		88	27 - 153	5	34

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 570-124595/6
Matrix: Air
Analysis Batch: 124595

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	3.35	3.064		ug/m3		91	50 - 150	6	30
cis-1,2-Dichloroethene	1.98	1.799		ug/m3		91	35 - 165	2	35
Carbon tetrachloride	3.15	2.828		ug/m3		90	7 - 187	5	31
Chlorobenzene	2.30	2.085		ug/m3		91	50 - 150	5	30
Chloroethane	1.32	1.127		ug/m3		85	50 - 150	10	30
Chloroform	2.44	2.194		ug/m3		90	50 - 150	3	30
Chloromethane	1.03	0.8759		ug/m3		85	50 - 150	7	30
Dibromochloromethane	4.26	3.835		ug/m3		90	50 - 150	7	30
Dichlorodifluoromethane	2.47	2.229		ug/m3		90	50 - 150	6	30
Ethylbenzene	2.17	1.925		ug/m3		89	27 - 153	5	46
Hexachloro-1,3-butadiene	5.33	4.168	*1	ug/m3		78	50 - 150	32	30
Methylene Chloride	1.74	1.370		ug/m3		79	50 - 150	11	30
Methyl-t-Butyl Ether (MTBE)	1.80	1.582		ug/m3		88	50 - 150	4	30
o-Xylene	2.17	1.885		ug/m3		87	22 - 160	7	48
m,p-Xylene	4.34	3.842		ug/m3		88	21 - 165	5	51
trans-1,2-Dichloroethene	1.98	1.776		ug/m3		90	50 - 150	3	30
Tetrachloroethene	3.39	2.943		ug/m3		87	34 - 154	7	33
Toluene	1.88	1.659		ug/m3		88	28 - 154	5	42
Trichloroethene	2.69	2.422		ug/m3		90	43 - 139	5	31
Trichlorofluoromethane	2.81	2.469		ug/m3		88	50 - 150	8	30
Vinyl chloride	1.28	1.127		ug/m3		88	44 - 140	6	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*37 - 163*
4-Bromofluorobenzene (Surr)	*102*		*45 - 153*
Toluene-d8 (Surr)	*101*		*73 - 121*

Lab Sample ID: MB 570-124949/9
Matrix: Air
Analysis Batch: 124949

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14	ug/m3			01/27/21 16:57	1
1,1,2,2-Tetrachloroethane	ND		0.17	ug/m3			01/27/21 16:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.19	ug/m3			01/27/21 16:57	1
1,1,2-Trichloroethane	ND		0.14	ug/m3			01/27/21 16:57	1
1,1-Dichloroethane	ND		0.10	ug/m3			01/27/21 16:57	1
1,1-Dichloroethene	ND		0.099	ug/m3			01/27/21 16:57	1
1,1-Difluoroethane	ND		0.68	ug/m3			01/27/21 16:57	1
1,2,4-Trimethylbenzene	ND		0.25	ug/m3			01/27/21 16:57	1
1,2-Dichloroethane	ND		0.10	ug/m3			01/27/21 16:57	1
1,3,5-Trimethylbenzene	ND		0.12	ug/m3			01/27/21 16:57	1
4-Ethyltoluene	ND		0.25	ug/m3			01/27/21 16:57	1
Benzene	ND		0.080	ug/m3			01/27/21 16:57	1
Bromodichloromethane	ND		0.17	ug/m3			01/27/21 16:57	1
cis-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 16:57	1
Carbon tetrachloride	ND		0.31	ug/m3			01/27/21 16:57	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 570-124949/9
Matrix: Air
Analysis Batch: 124949

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.23	ug/m3			01/27/21 16:57	1
Chloroethane	ND		0.066	ug/m3			01/27/21 16:57	1
Chloroform	ND		0.12	ug/m3			01/27/21 16:57	1
Chloromethane	ND		0.052	ug/m3			01/27/21 16:57	1
Dibromochloromethane	ND		0.21	ug/m3			01/27/21 16:57	1
Dichlorodifluoromethane	ND		0.12	ug/m3			01/27/21 16:57	1
Ethylbenzene	ND		0.11	ug/m3			01/27/21 16:57	1
Hexachloro-1,3-butadiene	ND		1.1	ug/m3			01/27/21 16:57	1
Methylene Chloride	ND		0.17	ug/m3			01/27/21 16:57	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090	ug/m3			01/27/21 16:57	1
o-Xylene	ND		0.11	ug/m3			01/27/21 16:57	1
m,p-Xylene	ND		0.22	ug/m3			01/27/21 16:57	1
trans-1,2-Dichloroethene	ND		0.099	ug/m3			01/27/21 16:57	1
Tetrachloroethene	ND		0.17	ug/m3			01/27/21 16:57	1
Toluene	ND		0.19	ug/m3			01/27/21 16:57	1
Trichloroethene	ND		0.13	ug/m3			01/27/21 16:57	1
Trichlorofluoromethane	ND		0.14	ug/m3			01/27/21 16:57	1
Vinyl chloride	ND		0.13	ug/m3			01/27/21 16:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*37 - 163*		*01/27/21 16:57*	*1*
4-Bromofluorobenzene (Surr)	*88*		*45 - 153*		*01/27/21 16:57*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/27/21 16:57*	*1*

Lab Sample ID: LCS 570-124949/7
Matrix: Air
Analysis Batch: 124949

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.73	2.566		ug/m3		94	50 - 150
1,1,2,2-Tetrachloroethane	3.43	3.213		ug/m3		94	50 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	3.83	3.627		ug/m3		95	50 - 150
1,1,2-Trichloroethane	2.73	2.588		ug/m3		95	27 - 171
1,1-Dichloroethane	2.02	1.865		ug/m3		92	50 - 150
1,1-Dichloroethene	1.98	1.826		ug/m3		92	50 - 150
1,1-Difluoroethane	1.35	1.267		ug/m3		94	50 - 150
1,2,4-Trimethylbenzene	2.46	2.103		ug/m3		86	50 - 150
1,2-Dichloroethane	2.02	1.939		ug/m3		96	28 - 166
1,3,5-Trimethylbenzene	2.46	2.070		ug/m3		84	50 - 150
4-Ethyltoluene	2.46	2.250		ug/m3		92	50 - 150
Benzene	1.60	1.466		ug/m3		92	27 - 153
Bromodichloromethane	3.35	3.198		ug/m3		95	50 - 150
cis-1,2-Dichloroethene	1.98	1.858		ug/m3		94	35 - 165
Carbon tetrachloride	3.15	2.982		ug/m3		95	7 - 187
Chlorobenzene	2.30	2.179		ug/m3		95	50 - 150
Chloroethane	1.32	1.216		ug/m3		92	50 - 150

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 570-124949/7
Matrix: Air
Analysis Batch: 124949

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	2.44	2.289		ug/m3		94	50 - 150
Chloromethane	1.03	0.9442		ug/m3		91	50 - 150
Dibromochloromethane	4.26	4.002		ug/m3		94	50 - 150
Dichlorodifluoromethane	2.47	2.390		ug/m3		97	50 - 150
Ethylbenzene	2.17	2.009		ug/m3		93	27 - 153
Hexachloro-1,3-butadiene	5.33	4.300		ug/m3		81	50 - 150
Methylene Chloride	1.74	1.457		ug/m3		84	50 - 150
Methyl-t-Butyl Ether (MTBE)	1.80	1.630		ug/m3		90	50 - 150
o-Xylene	2.17	1.953		ug/m3		90	22 - 160
m,p-Xylene	4.34	3.993		ug/m3		92	21 - 165
trans-1,2-Dichloroethene	1.98	1.837		ug/m3		93	50 - 150
Tetrachloroethene	3.39	3.118		ug/m3		92	34 - 154
Toluene	1.88	1.728		ug/m3		92	28 - 154
Trichloroethene	2.69	2.576		ug/m3		96	43 - 139
Trichlorofluoromethane	2.81	2.645		ug/m3		94	50 - 150
Vinyl chloride	1.28	1.179		ug/m3		92	44 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*37 - 163*
4-Bromofluorobenzene (Surr)	*101*		*45 - 153*
Toluene-d8 (Surr)	*102*		*73 - 121*

Lab Sample ID: LCSD 570-124949/10
Matrix: Air
Analysis Batch: 124949

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	2.73	2.535		ug/m3		93	50 - 150	1	30
1,1,2,2-Tetrachloroethane	3.43	3.003		ug/m3		87	50 - 150	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	3.83	3.573		ug/m3		93	50 - 150	2	30
1,1,2-Trichloroethane	2.73	2.470		ug/m3		91	27 - 171	5	38
1,1-Dichloroethane	2.02	1.817		ug/m3		90	50 - 150	3	30
1,1-Dichloroethene	1.98	1.780		ug/m3		90	50 - 150	3	30
1,1-Difluoroethane	1.35	1.174		ug/m3		87	50 - 150	8	30
1,2,4-Trimethylbenzene	2.46	1.893		ug/m3		77	50 - 150	11	30
1,2-Dichloroethane	2.02	1.890		ug/m3		93	28 - 166	3	40
1,3,5-Trimethylbenzene	2.46	1.938		ug/m3		79	50 - 150	7	30
4-Ethyltoluene	2.46	2.002		ug/m3		81	50 - 150	12	30
Benzene	1.60	1.444		ug/m3		90	27 - 153	1	34
Bromodichloromethane	3.35	3.164		ug/m3		94	50 - 150	1	30
cis-1,2-Dichloroethene	1.98	1.809		ug/m3		91	35 - 165	3	35
Carbon tetrachloride	3.15	2.935		ug/m3		93	7 - 187	2	31
Chlorobenzene	2.30	2.028		ug/m3		88	50 - 150	7	30
Chloroethane	1.32	1.159		ug/m3		88	50 - 150	5	30
Chloroform	2.44	2.242		ug/m3		92	50 - 150	2	30
Chloromethane	1.03	0.8450		ug/m3		82	50 - 150	11	30

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 570-124949/10
Matrix: Air
Analysis Batch: 124949

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromochloromethane			4.26	3.842		ug/m3		90	50 - 150	4	30
Dichlorodifluoromethane			2.47	2.279		ug/m3		92	50 - 150	5	30
Ethylbenzene			2.17	1.876		ug/m3		86	27 - 153	7	46
Hexachloro-1,3-butadiene			5.33	3.907		ug/m3		73	50 - 150	10	30
Methylene Chloride			1.74	1.388		ug/m3		80	50 - 150	5	30
Methyl-t-Butyl Ether (MTBE)			1.80	1.600		ug/m3		89	50 - 150	2	30
o-Xylene			2.17	1.837		ug/m3		85	22 - 160	6	48
m,p-Xylene			4.34	3.709		ug/m3		85	21 - 165	7	51
trans-1,2-Dichloroethene			1.98	1.788		ug/m3		90	50 - 150	3	30
Tetrachloroethene			3.39	2.991		ug/m3		88	34 - 154	4	33
Toluene			1.88	1.646		ug/m3		87	28 - 154	5	42
Trichloroethene			2.69	2.521		ug/m3		94	43 - 139	2	31
Trichlorofluoromethane			2.81	2.527		ug/m3		90	50 - 150	5	30
Vinyl chloride			1.28	1.144		ug/m3		89	44 - 140	3	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*37 - 163*
4-Bromofluorobenzene (Surr)	*97*		*45 - 153*
Toluene-d8 (Surr)	*105*		*73 - 121*

Lab Sample ID: MB 570-125278/8
Matrix: Air
Analysis Batch: 125278

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		ug/m3			01/28/21 17:52	1
1,1,2,2-Tetrachloroethane	ND		0.17		ug/m3			01/28/21 17:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.19		ug/m3			01/28/21 17:52	1
1,1,2-Trichloroethane	ND		0.14		ug/m3			01/28/21 17:52	1
1,1-Dichloroethane	ND		0.10		ug/m3			01/28/21 17:52	1
1,1-Dichloroethene	ND		0.099		ug/m3			01/28/21 17:52	1
1,1-Difluoroethane	ND		0.68		ug/m3			01/28/21 17:52	1
1,2,4-Trimethylbenzene	ND		0.25		ug/m3			01/28/21 17:52	1
1,2-Dichloroethane	ND		0.10		ug/m3			01/28/21 17:52	1
1,3,5-Trimethylbenzene	ND		0.12		ug/m3			01/28/21 17:52	1
4-Ethyltoluene	ND		0.25		ug/m3			01/28/21 17:52	1
Benzene	ND		0.080		ug/m3			01/28/21 17:52	1
Bromodichloromethane	ND		0.17		ug/m3			01/28/21 17:52	1
cis-1,2-Dichloroethene	ND		0.099		ug/m3			01/28/21 17:52	1
Carbon tetrachloride	ND		0.31		ug/m3			01/28/21 17:52	1
Chlorobenzene	ND		0.23		ug/m3			01/28/21 17:52	1
Chloroethane	ND		0.066		ug/m3			01/28/21 17:52	1
Chloroform	ND		0.12		ug/m3			01/28/21 17:52	1
Chloromethane	ND		0.052		ug/m3			01/28/21 17:52	1
Dibromochloromethane	ND		0.21		ug/m3			01/28/21 17:52	1
Dichlorodifluoromethane	ND		0.12		ug/m3			01/28/21 17:52	1
Ethylbenzene	ND		0.11		ug/m3			01/28/21 17:52	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 570-125278/8
Matrix: Air
Analysis Batch: 125278

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Hexachloro-1,3-butadiene	ND		1.1		ug/m3			01/28/21 17:52	1
Methylene Chloride	ND		0.17		ug/m3			01/28/21 17:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.090		ug/m3			01/28/21 17:52	1
o-Xylene	ND		0.11		ug/m3			01/28/21 17:52	1
m,p-Xylene	ND		0.22		ug/m3			01/28/21 17:52	1
trans-1,2-Dichloroethene	ND		0.099		ug/m3			01/28/21 17:52	1
Tetrachloroethene	ND		0.17		ug/m3			01/28/21 17:52	1
Toluene	ND		0.19		ug/m3			01/28/21 17:52	1
Trichloroethene	ND		0.13		ug/m3			01/28/21 17:52	1
Trichlorofluoromethane	ND		0.14		ug/m3			01/28/21 17:52	1
Vinyl chloride	ND		0.13		ug/m3			01/28/21 17:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*37 - 163*		*01/28/21 17:52*	*1*
4-Bromofluorobenzene (Surr)	*95*		*45 - 153*		*01/28/21 17:52*	*1*
Toluene-d8 (Surr)	*98*		*73 - 121*		*01/28/21 17:52*	*1*

Lab Sample ID: LCS 570-125278/5
Matrix: Air
Analysis Batch: 125278

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.73	2.346		ug/m3		86	50 - 150
1,1,2,2-Tetrachloroethane	3.43	3.028		ug/m3		88	50 - 150
1,1,2-Trichloro-1,2,2-trifluoroetha ne	3.83	3.339		ug/m3		87	50 - 150
1,1,2-Trichloroethane	2.73	2.421		ug/m3		89	27 - 171
1,1-Dichloroethane	2.02	1.695		ug/m3		84	50 - 150
1,1-Dichloroethene	1.98	1.749		ug/m3		88	50 - 150
1,1-Difluoroethane	1.35	1.161		ug/m3		86	50 - 150
1,2,4-Trimethylbenzene	2.46	2.001		ug/m3		81	50 - 150
1,2-Dichloroethane	2.02	1.820		ug/m3		90	28 - 166
1,3,5-Trimethylbenzene	2.46	1.949		ug/m3		79	50 - 150
4-Ethyltoluene	2.46	2.155		ug/m3		88	50 - 150
Benzene	1.60	1.351		ug/m3		85	27 - 153
Bromodichloromethane	3.35	2.936		ug/m3		88	50 - 150
cis-1,2-Dichloroethene	1.98	1.703		ug/m3		86	35 - 165
Carbon tetrachloride	3.15	2.666		ug/m3		85	7 - 187
Chlorobenzene	2.30	2.030		ug/m3		88	50 - 150
Chloroethane	1.32	1.107		ug/m3		84	50 - 150
Chloroform	2.44	2.114		ug/m3		87	50 - 150
Chloromethane	1.03	0.8570		ug/m3		83	50 - 150
Dibromochloromethane	4.26	3.536		ug/m3		83	50 - 150
Dichlorodifluoromethane	2.47	2.219		ug/m3		90	50 - 150
Ethylbenzene	2.17	1.858		ug/m3		86	27 - 153
Hexachloro-1,3-butadiene	5.33	4.594		ug/m3		86	50 - 150
Methylene Chloride	1.74	1.404		ug/m3		81	50 - 150

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 570-125278/5
Matrix: Air
Analysis Batch: 125278

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl-t-Butyl Ether (MTBE)	1.80	1.467		ug/m3		81	50 - 150
o-Xylene	2.17	1.830		ug/m3		84	22 - 160
m,p-Xylene	4.34	3.691		ug/m3		85	21 - 165
trans-1,2-Dichloroethene	1.98	1.673		ug/m3		84	50 - 150
Tetrachloroethene	3.39	2.865		ug/m3		84	34 - 154
Toluene	1.88	1.585		ug/m3		84	28 - 154
Trichloroethene	2.69	2.382		ug/m3		89	43 - 139
Trichlorofluoromethane	2.81	2.509		ug/m3		89	50 - 150
Vinyl chloride	1.28	1.082		ug/m3		85	44 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*37 - 163*
4-Bromofluorobenzene (Surr)	*103*		*45 - 153*
Toluene-d8 (Surr)	*93*		*73 - 121*

Lab Sample ID: LCSD 570-125278/6
Matrix: Air
Analysis Batch: 125278

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	2.73	2.345		ug/m3		86	50 - 150	0	30
1,1,2,2-Tetrachloroethane	3.43	2.947		ug/m3		86	50 - 150	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	3.83	3.312		ug/m3		86	50 - 150	1	30
1,1,2-Trichloroethane	2.73	2.384		ug/m3		87	27 - 171	2	38
1,1-Dichloroethane	2.02	1.673		ug/m3		83	50 - 150	1	30
1,1-Dichloroethene	1.98	1.657		ug/m3		84	50 - 150	5	30
1,1-Difluoroethane	1.35	1.131		ug/m3		84	50 - 150	3	30
1,2,4-Trimethylbenzene	2.46	1.907		ug/m3		78	50 - 150	5	30
1,2-Dichloroethane	2.02	1.801		ug/m3		89	28 - 166	1	40
1,3,5-Trimethylbenzene	2.46	1.940		ug/m3		79	50 - 150	0	30
4-Ethyltoluene	2.46	2.029		ug/m3		83	50 - 150	6	30
Benzene	1.60	1.328		ug/m3		83	27 - 153	2	34
Bromodichloromethane	3.35	2.919		ug/m3		87	50 - 150	1	30
cis-1,2-Dichloroethene	1.98	1.689		ug/m3		85	35 - 165	1	35
Carbon tetrachloride	3.15	2.667		ug/m3		85	7 - 187	0	31
Chlorobenzene	2.30	1.984		ug/m3		86	50 - 150	2	30
Chloroethane	1.32	1.076		ug/m3		82	50 - 150	3	30
Chloroform	2.44	2.088		ug/m3		86	50 - 150	1	30
Chloromethane	1.03	0.8331		ug/m3		81	50 - 150	3	30
Dibromochloromethane	4.26	3.503		ug/m3		82	50 - 150	1	30
Dichlorodifluoromethane	2.47	2.155		ug/m3		87	50 - 150	3	30
Ethylbenzene	2.17	1.811		ug/m3		83	27 - 153	3	46
Hexachloro-1,3-butadiene	5.33	3.955		ug/m3		74	50 - 150	15	30
Methylene Chloride	1.74	1.321		ug/m3		76	50 - 150	6	30
Methyl-t-Butyl Ether (MTBE)	1.80	1.451		ug/m3		80	50 - 150	1	30
o-Xylene	2.17	1.777		ug/m3		82	22 - 160	3	48

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 570-125278/6
Matrix: Air
Analysis Batch: 125278

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m,p-Xylene			4.34	3.600		ug/m3		83	21 - 165	3	51
trans-1,2-Dichloroethene			1.98	1.664		ug/m3		84	50 - 150	1	30
Tetrachloroethene			3.39	2.825		ug/m3		83	34 - 154	1	33
Toluene			1.88	1.563		ug/m3		83	28 - 154	1	42
Trichloroethene			2.69	2.373		ug/m3		88	43 - 139	0	31
Trichlorofluoromethane			2.81	2.422		ug/m3		86	50 - 150	4	30
Vinyl chloride			1.28	1.061		ug/m3		83	44 - 140	2	33

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*37 - 163*
4-Bromofluorobenzene (Surr)	*102*		*45 - 153*
Toluene-d8 (Surr)	*103*		*73 - 121*

QC Association Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Air - GC/MS VOA

Analysis Batch: 123139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48680-1	IA1	Total/NA	Air	TO-15 SIM	
570-48680-2	IA2	Total/NA	Air	TO-15 SIM	
570-48680-3	IA3	Total/NA	Air	TO-15 SIM	
570-48680-4	IA4	Total/NA	Air	TO-15 SIM	
570-48680-5	IA5	Total/NA	Air	TO-15 SIM	
570-48680-6	IA6	Total/NA	Air	TO-15 SIM	
570-48680-7	IA7	Total/NA	Air	TO-15 SIM	
570-48680-8	IA8	Total/NA	Air	TO-15 SIM	
570-48680-9	IA9	Total/NA	Air	TO-15 SIM	
570-48680-10	IA10	Total/NA	Air	TO-15 SIM	
MB 570-123139/7	Method Blank	Total/NA	Air	TO-15 SIM	
LCS 570-123139/4	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 570-123139/5	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	

Analysis Batch: 124595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48680-11	IA11	Total/NA	Air	TO-15 SIM	
570-48680-12	IA12	Total/NA	Air	TO-15 SIM	
570-48680-13	IA13	Total/NA	Air	TO-15 SIM	
570-48680-14	IA14	Total/NA	Air	TO-15 SIM	
570-48680-15	IA15	Total/NA	Air	TO-15 SIM	
570-48680-16	IA16	Total/NA	Air	TO-15 SIM	
570-48680-17	IA17	Total/NA	Air	TO-15 SIM	
570-48680-18	IA18	Total/NA	Air	TO-15 SIM	
570-48680-19	IA19	Total/NA	Air	TO-15 SIM	
570-48680-20	IA20	Total/NA	Air	TO-15 SIM	
570-48680-21	IA21	Total/NA	Air	TO-15 SIM	
570-48680-22	IA22	Total/NA	Air	TO-15 SIM	
570-48680-23	IA23	Total/NA	Air	TO-15 SIM	
570-48680-24	IA24	Total/NA	Air	TO-15 SIM	
570-48680-25	IA25	Total/NA	Air	TO-15 SIM	
570-48680-26	IA26	Total/NA	Air	TO-15 SIM	
570-48680-27	IA27	Total/NA	Air	TO-15 SIM	
MB 570-124595/10	Method Blank	Total/NA	Air	TO-15 SIM	
LCS 570-124595/5	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 570-124595/6	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	

Analysis Batch: 124949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48680-28	OA1	Total/NA	Air	TO-15 SIM	
570-48680-29	OA2	Total/NA	Air	TO-15 SIM	
570-48680-31	OA4	Total/NA	Air	TO-15 SIM	
MB 570-124949/9	Method Blank	Total/NA	Air	TO-15 SIM	
LCS 570-124949/7	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 570-124949/10	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	

Analysis Batch: 125278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-48680-16 - DL	IA16	Total/NA	Air	TO-15 SIM	
570-48680-30	OA3	Total/NA	Air	TO-15 SIM	
MB 570-125278/8	Method Blank	Total/NA	Air	TO-15 SIM	

Air - GC/MS VOA (Continued)

Analysis Batch: 125278 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-125278/5	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 570-125278/6	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	

Lab Chronicle

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA1
Date Collected: 01/17/21 13:54
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-1
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/19/21 22:38	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA2
Date Collected: 01/17/21 13:56
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-2
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/19/21 23:30	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA3
Date Collected: 01/17/21 13:58
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-3
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/20/21 00:22	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA4
Date Collected: 01/17/21 13:59
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-4
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/20/21 01:14	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA5
Date Collected: 01/17/21 14:00
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-5
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/20/21 02:05	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA6
Date Collected: 01/17/21 14:02
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-6
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/20/21 03:02	UJHY	ECL 2
	Instrument ID: GCMSYY									

Lab Chronicle

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA7
Lab Sample ID: 570-48680-7
Date Collected: 01/17/21 14:08
Matrix: Air
Date Received: 01/18/21 07:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/20/21 03:54	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA8
Lab Sample ID: 570-48680-8
Date Collected: 01/17/21 14:10
Matrix: Air
Date Received: 01/18/21 07:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/20/21 04:45	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA9
Lab Sample ID: 570-48680-9
Date Collected: 01/17/21 14:56
Matrix: Air
Date Received: 01/18/21 07:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/20/21 05:36	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA10
Lab Sample ID: 570-48680-10
Date Collected: 01/17/21 14:58
Matrix: Air
Date Received: 01/18/21 07:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	123139	01/20/21 06:27	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA11
Lab Sample ID: 570-48680-11
Date Collected: 01/17/21 14:52
Matrix: Air
Date Received: 01/18/21 07:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/26/21 19:11	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA12
Lab Sample ID: 570-48680-12
Date Collected: 01/17/21 14:54
Matrix: Air
Date Received: 01/18/21 07:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/26/21 23:25	UJHY	ECL 2
	Instrument ID: GCMSYY									

Lab Chronicle

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA13 — Lab Sample ID: 570-48680-13

Date Collected: 01/17/21 14:47
Date Received: 01/18/21 07:00
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/26/21 20:02	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA14 — Lab Sample ID: 570-48680-14

Date Collected: 01/17/21 14:49
Date Received: 01/18/21 07:00
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/26/21 20:52	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA15 — Lab Sample ID: 570-48680-15

Date Collected: 01/17/21 14:14
Date Received: 01/18/21 07:00
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/26/21 21:43	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA16 — Lab Sample ID: 570-48680-16

Date Collected: 01/17/21 14:43
Date Received: 01/18/21 07:00
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/26/21 22:34	UJHY	ECL 2
	Instrument ID: GCMSYY									
Total/NA	Analysis	TO-15 SIM	DL	2.5	250 mL	250 mL	125278	01/29/21 10:20	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA17 — Lab Sample ID: 570-48680-17

Date Collected: 01/17/21 14:40
Date Received: 01/18/21 07:00
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 00:16	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA18 — Lab Sample ID: 570-48680-18

Date Collected: 01/17/21 15:19
Date Received: 01/18/21 07:00
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		7.33	250 mL	250 mL	124595	01/27/21 01:07	UJHY	ECL 2
	Instrument ID: GCMSYY									

Lab Chronicle

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA19
Date Collected: 01/17/21 14:24
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-19
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 01:58	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA20
Date Collected: 01/17/21 14:16
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-20
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 02:49	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA21
Date Collected: 01/17/21 14:18
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-21
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 03:39	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA22
Date Collected: 01/17/21 15:13
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-22
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 04:30	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA23
Date Collected: 01/17/21 14:37
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-23
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 05:21	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA24
Date Collected: 01/17/21 15:16
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-24
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1.67	250 mL	250 mL	124595	01/27/21 06:12	UJHY	ECL 2
	Instrument ID: GCMSYY									

Lab Chronicle

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: IA25
Date Collected: 01/17/21 14:30
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-25
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 07:03	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA26
Date Collected: 01/17/21 14:31
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-26
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 07:54	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: IA27
Date Collected: 01/17/21 14:20
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-27
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124595	01/27/21 08:45	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: OA1
Date Collected: 01/17/21 15:04
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-28
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124949	01/27/21 19:12	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: OA2
Date Collected: 01/17/21 15:01
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-29
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124949	01/27/21 20:03	UJHY	ECL 2
	Instrument ID: GCMSYY									

Client Sample ID: OA3
Date Collected: 01/17/21 15:22
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-30
Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	125278	01/28/21 18:43	UJHY	ECL 2
	Instrument ID: GCMSYY									

Lab Chronicle

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Client Sample ID: OA4

Date Collected: 01/17/21 15:09
Date Received: 01/18/21 07:00

Lab Sample ID: 570-48680-31

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	250 mL	250 mL	124949	01/27/21 21:45	UJHY	ECL 2
	Instrument ID:	GCMSYY								

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	Los Angeles County Sanitation Districts	10109	09-30-21
California	SCAQMD LAP	17LA0919	11-30-21
California	State	2944	09-30-21
Guam	State	20-003R	10-31-20 *
Nevada	State	CA00111	07-31-21
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-21

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Method	Method Description	Protocol	Laboratory
TO-15 SIM	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA-21	ECL 2

Protocol References:

EPA-21 = "Compendium Of Methods For The Determination Of Toxic Organic Compounds In Ambient Air", Second Edition, EPA/625/R-96/010B, January 1999

Laboratory References:

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Sample Summary

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job ID: 570-48680-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-48680-1	IA1	Air	01/17/21 13:54	01/18/21 07:00	Air Canister (6-Liter) #D412
570-48680-2	IA2	Air	01/17/21 13:56	01/18/21 07:00	Air Canister (6-Liter) #D151
570-48680-3	IA3	Air	01/17/21 13:58	01/18/21 07:00	Air Canister (6-Liter) #D933
570-48680-4	IA4	Air	01/17/21 13:59	01/18/21 07:00	Air Canister (6-Liter) #D145
570-48680-5	IA5	Air	01/17/21 14:00	01/18/21 07:00	Air Canister (6-Liter) #D361
570-48680-6	IA6	Air	01/17/21 14:02	01/18/21 07:00	Air Canister (6-Liter) #D144
570-48680-7	IA7	Air	01/17/21 14:08	01/18/21 07:00	Air Canister (6-Liter) #D587
570-48680-8	IA8	Air	01/17/21 14:10	01/18/21 07:00	Air Canister (6-Liter) #D889
570-48680-9	IA9	Air	01/17/21 14:56	01/18/21 07:00	Air Canister (6-Liter) #D230
570-48680-10	IA10	Air	01/17/21 14:58	01/18/21 07:00	Air Canister (6-Liter) #D187
570-48680-11	IA11	Air	01/17/21 14:52	01/18/21 07:00	Air Canister (6-Liter) #D429
570-48680-12	IA12	Air	01/17/21 14:54	01/18/21 07:00	Air Canister (6-Liter) #D438
570-48680-13	IA13	Air	01/17/21 14:47	01/18/21 07:00	Air Canister (6-Liter) #SIM070
570-48680-14	IA14	Air	01/17/21 14:49	01/18/21 07:00	Air Canister (6-Liter) #D178
570-48680-15	IA15	Air	01/17/21 14:14	01/18/21 07:00	Air Canister (6-Liter) #D291
570-48680-16	IA16	Air	01/17/21 14:43	01/18/21 07:00	Air Canister (6-Liter) #D906
570-48680-17	IA17	Air	01/17/21 14:40	01/18/21 07:00	Air Canister (6-Liter) #D140
570-48680-18	IA18	Air	01/17/21 15:19	01/18/21 07:00	Air Canister (6-Liter) #D191
570-48680-19	IA19	Air	01/17/21 14:24	01/18/21 07:00	Air Canister (6-Liter) #D594
570-48680-20	IA20	Air	01/17/21 14:16	01/18/21 07:00	Air Canister (6-Liter) #SIM058
570-48680-21	IA21	Air	01/17/21 14:18	01/18/21 07:00	Air Canister (6-Liter) #D773
570-48680-22	IA22	Air	01/17/21 15:13	01/18/21 07:00	Air Canister (6-Liter) #SIM062
570-48680-23	IA23	Air	01/17/21 14:37	01/18/21 07:00	Air Canister (6-Liter) #D797
570-48680-24	IA24	Air	01/17/21 15:16	01/18/21 07:00	Air Canister (6-Liter) #D850
570-48680-25	IA25	Air	01/17/21 14:30	01/18/21 07:00	Air Canister (6-Liter) #D621
570-48680-26	IA26	Air	01/17/21 14:31	01/18/21 07:00	Air Canister (6-Liter) #SIM047
570-48680-27	IA27	Air	01/17/21 14:20	01/18/21 07:00	Air Canister (6-Liter) #D523
570-48680-28	OA1	Air	01/17/21 15:04	01/18/21 07:00	Air Canister (6-Liter) #D450
570-48680-29	OA2	Air	01/17/21 15:01	01/18/21 07:00	Air Canister (6-Liter) #D877
570-48680-30	OA3	Air	01/17/21 15:22	01/18/21 07:00	Air Canister (6-Liter) #D743
570-48680-31	OA4	Air	01/17/21 15:09	01/18/21 07:00	Air Canister (6-Liter) #D687

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AIR CHAIN-OF-CUSTODY

48680

WO NO. / LAB USE ONLY
570-48680 Chain of Custody

DATE: 1-17-21
PAGE: 1 OF 4

LABORATORY CLIENT: Frey Environmental
ADDRESS:
CITY: STATE: ZIP:
TEL.
E-MAIL: johnpayne@freyinc

CLIENT PROJECT NAME / NO.: Middletown 822-05
PROJECT CONTACT: [redacted] John Payne
PROJECT ADDRESS:
CITY: STATE: ZIP:

P.O. NO.
LAB CONTACT OR QUOTE NO
SAMPLER(S): (PRINT): Chris Melendez

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD: ☐ COELT EDF ☐ OTHER
UNITS:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO15 STM

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	MATRIX (Indoor (I) Soil Vap. (SV) Ambient (A))	SAMPLING EQUIPMENT: Media ID	Canister Size 6L or 1L	Flow Controller ID	START SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	STOP SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	TO15 STM
1	IA1	Showroom	I	D412	6L	FC86	1-17-21	5:52	30 Hg	1-17-21	13:54	5	X
2	IA2	↓	↓	D151	↓	FC27	↓	5:54	↓	↓	13:56	4	↓
3	IA3	↓	↓	D933	↓	FC24	↓	5:56	↓	↓	13:58	5	↓
4	IA4	↓	↓	D145	↓	FC232	↓	5:58	↓	↓	13:59	7	↓
5	IA5	↓	↓	D361	↓	FC441	↓	6:00	↓	↓	14:00	4	↓
6	IA6	↓	↓	D144	↓	FC303	↓	6:02	↓	↓	14:02	9	↓
7	IA7	↓	↓	D587	↓	FC101	↓	6:08	↓	↓	14:08	9	↓
8	IA8	↓	↓	D889	↓	FC173	↓	6:10	↓	↓	14:10	5	↓
9	IA9	Paint Room	↓	D230	↓	FC229	↓	6:17	↓	↓	14:56	4	↓
10	IA10	↓	↓	D187	↓	FC144	↓	6:19	↓	↓	14:58	4	↓

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[signature]	[signature] ECI	1-18-21	7:00 AM
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Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2014-07-01 Revision

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AIR CHAIN-OF-CUSTODY 48680

WO NO. / LAB USE ONLY

DATE: 1-17-21
PAGE: 2 OF 4

LABORATORY CLIENT: Frey Environmental
ADDRESS:
CITY: STATE: ZIP:
TEL. E-MAIL.

CLIENT PROJECT NAME / NO.: Middletown 82205
P.O. NO.
PROJECT CONTACT: John Payne
LAB CONTACT OR QUOTE NO.
PROJECT ADDRESS:
SAMPLER(S): (PRINT) Chris Melendez
CITY: STATE: ZIP:

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD: ☐ COELT EDF ☐ OTHER
UNITS:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO-15 SIM

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	MATRIX: Indoor (I) Soil Vap. (SV) Ambient (A)	SAMPLING EQUIPMENT: Media ID	Canister Size 6L or 1L	Flow Controller ID	START SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	STOP SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	TO-15 SIM
11	IA11	Storage	I	D429	6L	FC455	1-17-21	6:22	30Hg	1-17-21	14:52	4	X
12	IA12	↓	↓	D438	↓	FC129	↓	6:25	↓	↓	14:54	6	↓
13	IA13			SIM070		FC474		6:28			14:47	4	
14	IA14			D178		FC130		6:31			14:49	4	
15	IA15	Mechanic Area		D291		FC116		5:54			14:14	5	
16	IA16	↓		D906		FC127		6:41			14:43	10	
17	IA17			D140		FC454		6:18			14:40	7	
18	IA18			D191		FC151		6:16			15:19	30	
19	IA19			D594		FC47		6:10			14:24	5	
20	IA20		↓	SIM058	↓	FC330	↓	5:59	↓	↓	14:16	5	↓

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Loc 570
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WO NO. / LAB USE ONLY

DATE: 1-17-21
PAGE: 3 OF 3

LABORATORY CLIENT: Frey Environmental
ADDRESS:
CITY: STATE: ZIP:
TEL.
E-MAIL: johnpayne@freyinc.com

CLIENT PROJECT NAME / NO.: Middletown 822-05
P.O. NO.
PROJECT CONTACT: John Payne
LAB CONTACT OR QUOTE NO.
PROJECT ADDRESS:
SAMPLER(S): (PRINT): Chris Melender
CITY: STATE: ZIP:

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD: ☐ COELT EDF ☐ OTHER
UNITS:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES: TO15 STIM

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	MATRIX: Indoor (I) Soil Vap. (SV) Ambient (A)	SAMPLING EQUIPMENT: Media ID	Canister Size 6L or 1L	Flow Controller ID	START SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	STOP SAMPLING INFORMATION: Date	Time (24 hr clock)	Canister Pressure (in Hg)	TO15 STIM
21	IA21	Mechanic Area	I	D773	6L	FC17	1-17-21	6:01	30Hg	1-17-21	14:18	5	X
22	IA22			STIM062		FC320		6:13			15:13/20		
23	IA23			D797		FC369		6:36			14:37	5	
24	IA24			D850		FC70		6:26			15:16	23	
25	IA25			D621		FC358		6:28			14:30	4	
26	IA26			STIM047		FC64		6:30			14:31	5	
27	IA27			D523		FC357		6:05			14:20	5	
28	OA1		A	D450		FC444		6:39			15:04	6	
29	OA2			D877		FC143		6:45			15:01	4	
30	OA3			D743		FC160		6:50			15:22	3	

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AIR CHAIN-OF-CUSTODY

Loc 570
48680

WO NO. / LAB USE ONLY

DATE: 1-17-21
PAGE: 4 OF 4

LABORATORY CLIENT: Frey Environmental
ADDRESS:
CITY: STATE: ZIP:
TEL.
E-MAIL: johnpayne@freyinc.com

CLIENT PROJECT NAME / NO.: Middletown 822-05
PROJECT CONTACT: John Payne
PROJECT ADDRESS:
CITY: STATE: ZIP:

P.O. NO.
LAB CONTACT OR QUOTE NO
SAMPLER(S): (PRINT) Chris Melendez

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

EDD: ☐ COELT EDF ☐ OTHER
UNITS:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD ID / POINT OF COLLECTION	MATRIX Indoor (I) Soil Vap. (SV) Ambient (A)	SAMPLING EQUIPMENT Media ID	Canister Size 6L or 1L	Flow Controller ID	START SAMPLING INFORMATION Date	Time (24 hr clock)	Canister Pressure (in Hg)	STOP SAMPLING INFORMATION Date	Time (24 hr clock)	Canister Pressure (in Hg)	TO15 SIM
31	OA4		A	D687	6L	FC353	1-17-21	6:55	30 Hg	1-17-21	15:09	5	X

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Login Sample Receipt Checklist

Client: Frey Environmental

Job Number: 570-48680-1

Login Number: 48680
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Summa Canister Dilution Worksheet

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job No.: 570-48680-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
570-48680-1	6	-29.5	-5.0	0.83	5.00	-2.45577	0.83	5.00		1.00	1.00	AIR MG-4	01/19/21 15:11	UJHY
570-48680-2	6	-29.5	-3.5	0.88	5.30	-1.71904	0.88	5.30		1.00	1.00	AIR MG-4	01/19/21 15:12	UJHY
570-48680-3	6	-29.5	-4.5	0.85	5.10	-2.21019	0.85	5.10		1.00	1.00	AIR MG-4	01/19/21 15:12	UJHY
570-48680-4	6	-29.5	-4.0	0.87	5.20	-1.96462	0.87	5.20		1.00	1.00	AIR MG-4	01/19/21 15:14	UJHY
570-48680-5	6	-29.5	-3.8	0.87	5.24	-1.86639	0.87	5.24		1.00	1.00	AIR MG-4	01/19/21 15:14	UJHY
570-48680-6	6	-29.5	-7.0	0.77	4.60	-3.43808	0.77	4.60		1.00	1.00	AIR MG-4	01/19/21 15:14	UJHY
570-48680-7	6	-29.5	-4.5	0.85	5.10	-2.21019	0.85	5.10		1.00	1.00	AIR MG-4	01/19/21 15:15	UJHY
570-48680-8	6	-29.5	-2.8	0.91	5.44	-1.37523	0.91	5.44		1.00	1.00	AIR MG-4	01/19/21 15:15	UJHY
570-48680-9	6	-29.5	-1.3	0.96	5.74	-0.6385	0.96	5.74		1.00	1.00	AIR MG-4	01/19/21 15:16	UJHY
570-48680-10	6	-29.5	-3.4	0.89	5.32	-1.66992	0.89	5.32		1.00	1.00	AIR MG-4	01/19/21 15:16	UJHY
570-48680-11	6	-29.5	-2.0	0.93	5.60	-0.982308	0.93	5.60		1.00	1.00	AIR MG-4	01/19/21 23:01	Y3IH
570-48680-12	6	-29.5	-3.0	0.90	5.40	-1.47346	0.90	5.40		1.00	1.00	AIR MG-4	01/19/21 23:01	Y3IH
570-48680-13	6	-29.5	-2.1	0.93	5.58	-1.03142	0.93	5.58		1.00	1.00	AIR MG-4	01/19/21 23:01	Y3IH
570-48680-14	6	-29.5	-2.8	0.91	5.44	-1.37523	0.91	5.44		1.00	1.00	AIR MG-4	01/19/21 23:02	Y3IH
570-48680-15	6	-29.5	-4.0	0.87	5.20	-1.96462	0.87	5.20		1.00	1.00	AIR MG-4	01/19/21 23:02	Y3IH
570-48680-16	6	-29.5	-3.3	0.89	5.34	-1.62081	0.89	5.34		1.00	1.00	AIR MG-4	01/19/21 23:03	Y3IH

Summa Canister Dilution Worksheet

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job No.: 570-48680-1

Lab Sample ID	Canister Volume (L)	Presampling Pressure ("Hg)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initials
570-48680-17	6	-29.5	-1.5	0.95	5.70	-0.736731	0.95	5.70		1.00	1.00	AIR MG-4	01/19/21 23:03	Y3IH
570-48680-18	6	-29.5	-26.0	0.13	0.79	-12.77	0.13	0.79		1.00	1.00	AIR MG-4	01/19/21 23:03	Y3IH
570-48680-18	6	-29.5	-26	0.13	0.79	-0.589385	0.96	5.76		7.33	7.33	AIR MG-4	01/20/21 16:43	UJHY
570-48680-19	6	-29.5	-3.0	0.90	5.40	-1.47346	0.90	5.40		1.00	1.00	AIR MG-4	01/19/21 23:04	Y3IH
570-48680-20	6	-29.5	-2.3	0.92	5.54	-1.12965	0.92	5.54		1.00	1.00	AIR MG-4	01/19/21 23:04	Y3IH
570-48680-21	6	-29.5	-3.8	0.87	5.24	-1.86639	0.87	5.24		1.00	1.00	AIR MG-4	01/19/21 23:05	Y3IH
570-48680-22	6	-29.5	-1.0	0.97	5.80	-0.491154	0.97	5.80		1.00	1.00	AIR MG-4	01/19/21 23:08	Y3IH
570-48680-23	6	-29.5	-4.1	0.86	5.18	-2.01373	0.86	5.18		1.00	1.00	AIR MG-4	01/19/21 23:08	Y3IH
570-48680-24	6	-29.5	-15.0	0.50	2.99	-7.36731	0.50	2.99		1.00	1.00	AIR MG-4	01/19/21 23:09	Y3IH
570-48680-24	6	-29.5	-15	0.50	2.99	-2.45577	0.83	5.00		1.67	1.67	AIR MG-4	01/20/21 14:37	UJHY
570-48680-25	6	-29.5	-2.0	0.93	5.60	-0.982308	0.93	5.60		1.00	1.00	AIR MG-4	01/19/21 23:09	Y3IH
570-48680-26	6	-29.5	-1.3	0.96	5.74	-0.6385	0.96	5.74		1.00	1.00	AIR MG-4	01/19/21 23:10	Y3IH
570-48680-27	6	-29.5	-2.8	0.91	5.44	-1.37523	0.91	5.44		1.00	1.00	AIR MG-4	01/19/21 23:10	Y3IH
570-48680-28	6	-29.5	-6.1	0.80	4.78	-2.99604	0.80	4.78		1.00	1.00	AIR MG-4	01/19/21 23:11	Y3IH
570-48680-29	6	-29.5	-4.3	0.86	5.14	-2.11196	0.86	5.14		1.00	1.00	AIR MG-4	01/19/21 23:11	Y3IH
570-48680-30	6	-29.5	-2.8	0.91	5.44	-1.37523	0.91	5.44		1.00	1.00	AIR MG-4	01/19/21 23:11	Y3IH
570-48680-31	6	-29.5	-3.0	0.90	5.40	-1.47346	0.90	5.40		1.00	1.00	AIR MG-4	01/19/21 23:12	Y3IH

Summa Canister Dilution Worksheet

Client: Frey Environmental
Project/Site: Middletown / 822-05

Job No.: 570-48680-1

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)