

Appendix A
Groundwater Levels and Sample Collection Logs



Matrix Environmental Services
283 Rucker Street
Anniston, Alabama 36205
(256) 847-0780
(256) 847-0905

Project Name

McClellan Landfill 3 and FANWR

Project Number

21.094.22-05.2

GROUNDWATER LEVELS**Field Personnel**

Tulley/Abernathy

Measuring Equipment

Solinst Water Level Meter

Date

11/8/21 - 11/9/21

Conditions

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
LF4-MW01	4 inch	11/8/2021	16:12	19.33	40	20.67	DA
LF4-MW02	4 inch	11/8/2021	16:15	24.81	40.25	15.44	DA
LF4-MW03	4 inch	11/8/2021	16:19	16.29	34.2	17.91	DA
LF4-MW04	4 inch	11/8/2021	16:24	9.38	26.8	17.42	DA
LF4-MW05	4 inch	11/8/2021	15:40	13.48	34.6	21.12	DA
OLF-G04	4 inch	11/8/2021	16:42	45.97	60.5	14.53	DA
OLF-G05	4 inch	11/9/2021	8:47	34.85	60.4	25.55	DA
OLF-G06	4 inch	11/9/2021	8:25	69.03	72.58	3.55	DA
OLF-G07	4 inch	11/9/2021	8:40	45.74	62.5	16.76	DA
OLF-G08	4 inch	11/9/2021	8:50	37.89	45	7.11	DA
OLF-G09	4 inch	11/8/2021	16:37	30.85	32	1.15	DA
OLF-G10	4 inch	11/8/2021	15:54	25.13	28	2.87	DA
OLF-G12	4 inch	11/9/2021	9:35	66.08	87	20.92	JT
OLF-G16	4 inch	11/8/2021	16:54	DRY	37.45	DRY	DA
OLF-G17	4 inch	11/9/2021	8:53	26.28	42	15.72	DA
OLF-G18	4 inch	11/9/2021	9:50	42.08	58.3	16.22	DA
OLF-G19	4 inch	11/9/2021	9:55	49.92	68	18.08	DA
OLF-G20	4 inch	11/9/2021	16:44	57.72	175	117.28	DA
OLF-G21	4 inch	11/9/2021	9:45	56.61	175	118.39	DA
OLF-G22	4 inch	11/9/2021	11:20	68.25	175	106.75	JT
OLF-G23	4 inch	11/9/2021	11:05	65.65	175	109.35	JT
OLF-G24	4 inch	11/9/2021	11:10	66.13	95	28.87	JT
OLF-G25	4 inch	11/9/2021	9:15	56.36	175.5	119.14	JT
OLF-G26	4 inch	11/9/2021	9:20	65.82	100	34.18	JT



Matrix Environmental Services
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(256) 847-0780
(256) 847-0905

Project Name

McClellan

Project Number

21.094.22-05.2

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G27	4 inch	11/9/2021	8:15	92.15	300	207.85	JT
OLF-G28	4 inch	11/9/2021	8:20	91.33	150	58.67	JT
OLF-G29	4 inch	11/9/2021	9:17	92.51	222.5	129.99	DA
OLF-G30	4 inch	11/9/2021	9:20	93.29	297.2	203.91	DA
OLF-G31	4 inch	11/9/2021	9:29	113.15	225	111.85	DA
OLF-G32	4 inch	11/9/2021	9:25	115.64	182	66.36	DA
OLF-G35	4 inch	11/9/2021	9:50	65.87	260	194.13	JT
OLF-G36	4 inch	11/9/2021	9:55	67.95	258.8	190.85	JT
OLF-G37	4 inch	11/9/2021	9:07	86.72	204	117.28	DA
OLF-G40	2 inch	11/8/2021	16:09	21.03	125	103.97	DA
OLF-G41	2 inch	11/8/2021	15:50	25.81	85.7	59.89	DA
OLF-G42	2 inch	11/8/2021	16:40	70.60	174.5	103.9	DA
OLF-G43	2 inch	11/9/2021	9:10	92.20	220.6	128.4	JT
OLF-G44	2 inch	11/9/2021	9:00	95.16	295.1	199.94	JT
OLF-G45	2 inch	11/9/2021	8:06	39.97	182	142.03	DA
OLF-G46	2 inch	11/9/2021	8:08	42.63	250	207.37	DA
OLF-G47	2 inch	11/9/2021	9:25	59.83	322	262.17	JT
OLF-G48	2 inch	11/9/2021	9:30	48.91	405	356.09	JT
OLF-G49	2 inch	11/9/2021	8:55	80.32	110	29.68	JT
OLF-G50	2 inch	11/9/2021	8:50	80.91	159	78.09	JT
OLF-G51	2 inch	11/9/2021	8:45	78.40	259	180.60	JT
OLF-G52	2 inch	11/9/2021	8:35	53.11	377.5	324.39	JT
OLF-G53	2 inch	11/9/2021	7:53	42.63	88.5	45.87	DA
OLF-G54	2 inch	11/8/2021	15:30	18.14	37.22	19.08	DA
OLF-G55	2 inch	11/8/2021	15:33	26.29	80.4	54.11	DA
OLF-G56	2 inch	11/8/2021	15:47	27.53	40.5	12.97	DA
OLF-G57	2 inch	11/8/2021	15:44	27.83	65.4	37.57	DA



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GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G58	2 inch	11/8/2021	16:06	17.70	29	11.3	DA
OLF-G66	4 inch	11/8/2021	15:59	24.50	105	80.5	DA
OLF-G67	4 inch	11/8/2021	15:56	24.32	149	124.68	DA
OLF-G68	4 inch	11/8/2021	16:03	34.93	133	98.07	DA
OLF-G69	4 inch	11/8/2021	16:01	29.10	177.5	148.4	DA
OLF-G70	4 inch	11/9/2021	8:30	61.23	400	338.77	JT
OLF-G75	2 inch	11/8/2021	16:49	71.78	300.5	228.72	DA
OLF-G76	2 inch	11/8/2021	16:46	70.06	277	206.94	DA
OLF-G77	2 inch	11/9/2021	8:35	60.55	84.5	23.95	DA
OLF-G78	2 inch	11/9/2021	8:30	68.64	85	16.36	DA
OLF-G79	2 inch	11/9/2021	8:38	68.00	300.5	232.5	DA
PPMP-229-GP08	4 inch	11/9/2021	8:15	21.44	205.4	183.96	DA
PPMP-229-GP09	4 inch	11/9/2021	8:17	13.30	40	26.7	DA
PPMP-229-GP10	4 inch	11/9/2021	8:12	13.65	58	44.35	DA
PPMP-229-GP11	4 inch	11/8/2021	16:30	30.08	75	44.92	DA
PPMP-229-GP12	4 inch	11/8/2021	16:33	30.14	168	137.86	DA
PPMP-229-GP13	4 inch	11/9/2021	8:01	37.25	45	7.75	DA
PPMP-229-GP14	4 inch	11/9/2021	8:03	39.57	64	24.43	DA



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G07

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	46.23	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/19/2021
Well Depth (TOC)	62.5	feet						
Water Column Thickness	16.27	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	57
Casing Diameter	4	inches						
Casing Volume	10.58	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus #2 Geotech Water Level Meter Micro TPW Turbidity Mete	Serial numbers	N/A
Well Elevation (TOC)	741.36	feet						
Groundwater Elevation	695.13	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
			Product Observed (yes/no)	N/A	Depth to product	N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1450	0	14.9	90	10.4	94	0.06	3	6.3	Clear	Clear	None
1455	400	15.2	77	7.1	135	0.05	1	5.1	Clear	Clear	None
1500	400	15.7	76	5.1	137	0.05	1	5.2	Clear	Clear	None
1505	400	15.7	75	4.5	137	0.05	0	5.2	Clear	Clear	None
1510	400	15.8	76	4.4	138	0.05	0	5.1	Clear	Clear	None
1515	400	15.9	75	4.3	139	0.05	0	5.1	Clear	Clear	None
1520	400	15.9	73	4.3	137	0.05	0	5.1	Clear	Clear	None
1525	400	15.9	72	4.0	139	0.05	0	5.1	Clear	Clear	None
1530	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
40	2800	No									

QA/QC Samples
MS/MSD

Signature



Matrix Environmental Services
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Station Name/Sample ID

OLF-G12

Project

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21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
66.52 feet	Low Flow	D. Abernathy	11/22/2021
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
87 feet	Geotech Bladder Pump Geotech Geocontrol PRO	LF3	0910
Water Column Thickness		Laboratory	Sample Depth
20.48 feet		TestAmerica	80
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches	53°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
13.31 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Overcast	YSI Pro Plus#2	Geotech Water Level Meter
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
745.43 feet		Field	
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
678.91 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
915	0	17.3	53	4.5	188	0.04	12	5.3	Clear	Clear	None
920	500	16.7	48	1.1	206	0.03	2	5.0	Clear	Clear	None
925	500	17.5	46	0.8	197	0.03	4	5.0	Clear	Clear	None
930	500	17.9	46	0.6	205	0.03	6	5.0	Clear	Clear	None
935	500	17.9	47	0.6	195	0.03	5	5.0	Clear	Clear	None
940	500	17.6	49	0.6	195	0.03	4	5.0	Clear	Clear	None
945	500	17.3	50	0.6	198	0.03	3	5.0	Clear	Clear	None
0950	500	17.0	50	0.5	204	0.03	3	5.0	Clear	Clear	None
0955	500	17.6	51	0.6	207	0.03	2	5.0	Clear	Clear	None
1000	500	17.6	51	0.5	205	0.03	2	5.0	Clear	Clear	None
1005	500	17.7	52	0.5	202	0.03	2	5.0	Clear	Clear	None

1010	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)	Notes								
55	5000	No									

QA/QC Samples	Signature



Matrix Environmental Services
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OLF-G18

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)		Sample Method	Sampler	Date
42.08		Low Flow	Jtulley	11/22/2021
	feet		Location (Site)	Begin Time
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	LF3	9:00
58			Laboratory	Sample Depth
	feet		TestAmerica	52
Water Column Thickness			Sample Suite	
15.92			See COCs	
	feet			
Casing Diameter		Temperature (°F)	Meters	Serial numbers
4		55	YSI Pro Plus	
	inches		Geotech Water Level Meter	
Casing Volume		Weather Conditions	Geotech Geocontrol PRO	
10.35			Calibration	Ferrous Iron (Fe II) (mg/L)
	gallons		Field	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Sunny		
Well Elevation (TOC)			11/22/2021	N/A
741.6				
	feet			
Groundwater Elevation		Parameter Stabilization	Product Observed (yes/no)	Depth to product
699.52		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A
	feet			

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
9:15	0	18.1	168	0.8	86	0.11	29	6.1	Clear	Clear	None
9:20	500	16.9	168	1.0	87	0.11	25	6.0	Clear	Clear	None
9:25	500	16.8	164	1.2	90	0.11	20	5.8	Clear	Clear	None
9:30	500	18.1	160	1.2	67	0.10	19	5.9	Clear	Clear	None
9:35	500	17.3	159	1.1	64	0.10	18	5.9	Clear	Clear	None
9:40	500	18.3	157	1.0	57	0.10	14	5.9	Clear	Clear	None
9:45	500	17.6	156	1.0	57	0.10	16	5.9	Clear	Clear	None
9:50	500	17.2	155	0.9	63	0.10	16	5.7	Clear	Clear	None
9:55	500	17.1	154	0.8	68	0.10	14	5.6	Clear	Clear	None
10:00	500	17.2	154	0.7	68	0.10	15	5.7	Clear	Clear	None
10:01	Collecting Sample Suite										
	9-2 11-22-21										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
45	4500	No									

QA/QC Samples

Signature

9.2



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
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Station Name/Sample ID

OLF-G19

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 49.92 feet	Sample Method Low Flow	Sampler Jtulley	Date 11/22/2021
Well Depth (TOC) 68 feet		Location (Site) LF3	Begin Time 7:30
Water Column Thickness 18.08 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 62
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 11.75 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Meters YSI Pro Plus#2 Geotech Water Level Meter	Serial numbers
Well Elevation (TOC) 744.08 feet		Calibration Field 11/22/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 694.16 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
800	0	18.3	69	4.4	193	0.04	111	5.6	Cloudy	Yellow	None
805	500	18.1	69	4.7	186	0.04	66	5.6	Cloudy	Clear	None
810	500	16.9	67	4.1	205	0.04	19	5.2	Clear	Clear	None
815	500	16.8	66	4.0	207	0.04	10	5.2	Clear	Clear	None
820	500	17.1	65	4.0	212	0.04	10	5.2	Clear	Clear	None
825	500	17.7	62	3.9	220	0.04	10	5.1	Clear	Clear	None
830	500	16.8	61	3.8	237	0.04	8	4.9	Clear	Clear	None
835	500	16.9	60	3.6	244	0.04	7	4.9	Clear	Clear	None
840	500	17.2	60	3.6	238	0.04	9	5.1	Clear	Clear	None
845	500	16.7	60	3.6	240	0.04	8	5.0	Clear	Clear	None
846	Collecting Sample Suite 11-22-21										

Total Time (min.) 45	Total Volume Removed 4500	Well pumped dry (yes/no) No	Notes

QA/QC Samples	Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
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Station Name/Sample ID

OLF-G20

Project

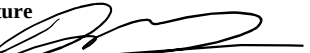
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Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
58.27 feet	Low Flow	D. Abernathy	11/19/2021
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
175 feet	Solinst Model 408 DV Pump Geotech Geocontrol PRO	LF3	1345
Water Column Thickness		Laboratory	Sample Depth
116.73 feet		TestAmerica	162
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches	61°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
75.87 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	YSI Pro Plus #2	Geotech Water Level Meter
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
741.43 feet		Field	
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
683.16 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1345	0	16.1	690	2.0	-136	0.45	2	7.1	Clear	Clear	Sulfur-like
1350	625	16.2	696	1.6	-134	0.46	2	7.1	Clear	Clear	None
1355	625	16.1	702	1.4	-131	0.46	1	7.1	Clear	Clear	None
1400	625	16.1	709	1.2	-127	0.46	0	7.1	Clear	Clear	None
1405	625	16.1	712	1.0	-125	0.46	0	7.1	Clear	Clear	None
1410	625	15.9	713	1.0	-124	0.46	0	7.1	Clear	Clear	None
1415	625	15.8	714	0.9	-125	0.46	0	7.1	Clear	Clear	None
1420	625	15.8	715	0.9	-125	0.46	0	7.1	Clear	Clear	None
1425	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	4375		No								
QA/QC Samples									Signature		
DUP 383											

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Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
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Station Name/Sample ID

OLF-G22

Project

McClellan

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 68.64 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/22/2021
Well Depth (TOC) 175 feet	Equipment Solinst Model 408 DV Pump Geotech Geocontrol PRO	Location (Site) LF3	Begin Time 1025
Water Column Thickness 106.36 feet		Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches	Temperature (°F) 54°	Sample Suite See COCs	
Casing Volume 69.13 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Meters YSI Pro Plus #2 Geotech Water Level Meter Micro TPW Turbidity Mete	Serial numbers
Well Elevation (TOC) 746.54 feet		Calibration Field 11/22/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 677.9 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1025	0	18.1	263	7.3	175	0.17	5.0	7.1	Clear	Clear	None
1030	750	18.5	314	2.7	141	0.21	4.8	6.5	Clear	Clear	None
1035	750	18.7	360	1.6	117	0.23	4.1	6.5	Clear	Clear	None
1040	750	18.2	399	1.1	102	0.26	3.1	6.4	Clear	Clear	None
1045	750	18.5	407	0.9	89	0.26	3.6	6.4	Clear	Clear	None
1050	750	18.8	408	0.8	74	0.26	3.4	6.4	Clear	Clear	None
1055	750	18.8	407	0.7	61	0.26	4.1	6.5	Clear	Clear	None
1100	750	18.6	407	0.6	54	0.27	4.0	6.4	Clear	Clear	None
1105	750	18.8	407	0.6	47	0.26	4.1	6.4	Clear	Clear	None
1110	750	19.0	407	0.5	32	0.26	3.9	6.4	Clear	Clear	None
1115	750	19.1	407	0.5	20	0.26	3.8	6.4	Clear	Clear	None
1120	750	19.0	406	0.5	13	0.26	3.5	6.4	Clear	Clear	None
Total Time (min.) 55	Total Volume Removed 8250	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G23

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)		Sample Method	Sampler	Date
66.11	feet	Low Flow	D. Abernathy	11/21/2021
Well Depth (TOC)			Location (Site)	Begin Time
175	feet	Equipment	LF3	1215
Water Column Thickness			Laboratory	Sample Depth
108.89	feet	Geotech Bladder Pump Geotech Geocontrol PRO	TestAmerica	162
			Sample Suite	
			See COCs	
Casing Diameter		Temperature (°F)	Meters	Serial numbers
4	inches	64°	YSI Pro Plus #2	
Casing Volume		Weather Conditions	GeotechWater Level Meter	
70.78	gallons		Micro TPW Turbidity Mete	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)
			Field	
Well Elevation (TOC)			11/21/2021	N/A
743.89	feet			
Groundwater Elevation		Parameter Stabilization	Product Observed (yes/no)	Depth to product
677.78	feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1215	0	20.7	253	6.7	30	0.16	5.5	7.4	Clear	Clear	None
1220	625	20.8	235	5.0	50	0.16	2.3	6.2	Clear	Clear	None
1225	625	20.4	309	3.5	62	0.20	2.0	6.0	Clear	Clear	None
1230	625	20.1	322	2.8	61	0.21	1.8	6.0	Clear	Clear	None
1235	625	19.8	332	2.0	53	0.22	1.5	6.0	Clear	Clear	None
1240	625	19.5	333	1.7	51	0.22	1.5	6.0	Clear	Clear	None
1245	625	19.4	334	1.5	47	0.22	1.3	6.0	Clear	Clear	None
1250	625	19.5	334	1.4	42	0.22	1.3	6.1	Clear	Clear	None
1255	625	19.7	334	1.2	33	0.22	1.2	6.1	Clear	Clear	None
1300	625	20.0	334	1.1	26	0.22	1.2	6.2	Clear	Clear	None
1305	625	20.7	334	1.0	15	0.22	1.2	6.2	Clear	Clear	None
1310	625	21.1	334	0.9	8	0.22	1.3	6.2	Clear	Clear	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	6875	No		Continued on page 2							

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
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Station Name/Sample ID

OLF-G24

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	66.57	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/21/2021
Well Depth (TOC)	95	feet						
Water Column Thickness	28.43	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	87
Casing Diameter	4	inches						
Casing Volume	18.48	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	743.89	feet						
Groundwater Elevation	677.32	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0955	0	19.5	49	8.9	155	0.03	9	5.2	Clear	Clear	None
1000	625	19.9	49	8.8	151	0.03	12	5.1	Clear	Clear	None
1005	625	19.7	48	8.3	150	0.03	12	5.1	Clear	Clear	None
1010	625	19.9	48	8.4	146	0.03	11	5.1	Clear	Clear	None
1015	625	19.5	48	8.4	146	0.03	10	5.1	Clear	Clear	None
1020	625	19.3	48	8.2	145	0.03	10	5.1	Clear	Clear	None
1025	625	19.7	48	7.8	143	0.03	9	5.1	Clear	Clear	None
1030	625	20.1	49	7.6	137	0.03	9	5.2	Clear	Clear	None
1035	625	20.0	49	7.5	134	0.03	9	5.1	Clear	Clear	None
1040	625	20.1	49	7.4	133	0.03	8	5.1	Clear	Clear	None
1045	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	5625		No								
QA/QC Samples									Signature 		



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OLF-G26

Project

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Project Number

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 11/18/2021	
66.2 feet		Location (Site) LF3	Begin Time 1435	
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 92
100 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 64°	Meters YSI Pro Plus#2		
33.8 feet		Serial numbers Geotech Water Level Meter		
Casing Diameter		Micro TPW Turbidity Mete		
4 inches		Calibration Field	Ferrous Iron (Fe II) (mg/L)	
Casing Volume	Weather Conditions Overcast	11/18/2021	N/A	
21.97 gallons				
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4				
Well Elevation (TOC)	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A	
745.04 feet				
Groundwater Elevation				
678.84 feet				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1445	0	18.4	194	6.4	82	0.13	4	6.6	Clear	Clear	None
1450	500	19.0	195	0.9	69	0.13	3	6.5	Clear	Clear	None
1455	500	18.4	194	0.9	71	0.13	2	6.4	Clear	Clear	None
1500	500	18.5	193	0.8	67	0.13	2	6.4	Clear	Clear	None
1505	500	18.6	193	0.6	59	0.13	2	6.4	Clear	Clear	None
1510	500	18.4	193	0.6	59	0.13	2	6.4	Clear	Clear	None
1515	500	18.3	194	0.5	59	0.13	2	6.3	Clear	Clear	None
1520	500	18.4	193	0.5	58	0.13	2	6.3	Clear	Clear	None
1525	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	3500		No								
QA/QC Samples									Signature 		



Matrix Environmental Services
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OLF-G31

Project

McClellan

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21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
113.77 feet	Low Flow	D. Abernathy	11/18/2021
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
225 feet	Solinst Model 408 DV Pump Solinst Model 464 Controller	LF3	1040
Water Column Thickness		Laboratory	Sample Depth
111.23 feet		TestAmerica	208'
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches	70°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
72.30 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Overcast	YSI pro plus#2	Solinst Water Level Meter
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
793.69 feet		Field	
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
679.92 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1050	0	18.2	202	4.9	-80	0.16	26	7.2	Cloudy	Brown	None
1055	550	18.2	276	3.6	-92	0.19	25	7.5	Cloudy	Brown	None
1100	550	18.2	330	2.7	-98	0.21	23	7.7	Cloudy	Brown	None
1105	550	18.3	327	1.9	-105	0.21	896	7.7	Cloudy	Brown	None
1145	4400	16.7	186	1.5	-62	0.12	210	7.0	Cloudy	Brown	None
1150	550	16.9	175	1.4	-64	0.11	114	7.0	Cloudy	Brown	None
1155	550	17.2	174	1.4	-69	0.11	110	7.0	Cloudy	Brown	None
1200	550	17.3	174	1.6	-69	0.11	105	7.0	Cloudy	Brown	None
1205	550	17.2	174	1.6	-67	0.11	99	6.9	Cloudy	Brown	None
1210	550	17.2	175	1.5	-64	0.11	92	6.9	Cloudy	Brown	None
1215	550	17.2	175	1.5	-63	0.11	65	6.9	Cloudy	Brown	None
1220	550	17.2	176	1.4	-63	0.11	34	6.9	Cloudy	Brown	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
90	9900	No		Resistance retrieving pump at 215', 1105 pump slipped deeper in the well disturbing turbidity readings, raised pump to 208' and purged tubing.							

QA/QC Samples

Signature



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OLF-G32

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
116.51 feet	Low Flow	D. Abernathy	11/18/2021
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
291 feet	Solinst Model 408 DV Pump Solinst Model 464 Controller	LF3	0850
Water Column Thickness		Laboratory	Sample Depth
174.49 feet		TestAmerica	281
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches	57°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
113.42 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Overcast	YSI pro plus #2	Geotech Water Level Meter Micro TPW Turbidity Mete
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
793.41 feet		Field	
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
676.9 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0920	3600	18.0	238	4.5	90	0.14	8	7.0	Clear	Clear	None
0925	600	18.0	238	4.1	89	0.15	8	8.0	Clear	Clear	None
0930	600	17.8	238	4.3	86	0.15	6	7.9	Clear	Clear	None
0935	600	17.8	238	4.3	84	0.15	5	7.9	Clear	Clear	None
0940	600	18.0	238	4.2	79	0.15	5	7.9	Clear	Clear	None
0945	600	18.1	238	4.3	75	0.15	5	7.9	Clear	Clear	None
0950	600	17.9	238	4.3	73	0.15	5	7.9	Clear	Clear	None
0955	600	17.6	238	4.2	72	0.15	5	7.9	Clear	Clear	None
1000	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
70	7800	No		Started pumping well while locating site for temporary wells							

QA/QC Samples

Signature



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Station Name/Sample ID

OLF-G35

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	66.31	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/21/2021
Well Depth (TOC)	260	feet						
Water Column Thickness	193.69	feet	Equipment	Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	250
Casing Diameter	4	inches						
Casing Volume	125.90	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	742.82	feet						
Groundwater Elevation	676.51	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0840	0	16.3	120	2.6	123	0.08	12	6.8	Clear	Clear	None
0845	625	16.6	113	1.2	-29	0.08	16	6.9	Clear	Clear	None
0850	625	16.9	304	1.3	-75	0.21	19	7.2	Clear	Clear	None
0855	625	17.2	365	1.3	-54	0.23	25	7.2	Clear	Clear	None
0900	625	17.6	381	1.4	-31	0.25	40	7.3	Cloudy	Brown	None
0905	625	17.3	389	1.5	-13	0.25	28	7.3	Cloudy	Brown	None
0910	625	17.7	390	1.4	-10	0.25	23	7.3	Clear	Clear	None
0915	625	18.0	390	1.5	-11	0.25	23	7.3	Clear	Clear	None
0920	625	18.0	392	1.4	-8	0.25	23	7.3	Clear	Clear	None
0925	625	17.9	392	1.4	-8	0.25	23	7.3	Clear	Clear	None
0930	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	5625		No								
QA/QC Samples N/A									Signature 		



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OLF-G36

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	68.31	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/22/2021
Well Depth (TOC)	258.8	feet						
Water Column Thickness	190.49	feet	Equipment	Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	250
Casing Diameter	4	inches						
Casing Volume	123.82	gallons	Weather Conditions	Overcast	Meters	YSI Pro Plus	Serial numbers	GeotechWater Level Meter Micro TPW Turbidity Mete
Well Elevation (TOC)	746.09	feet						
Groundwater Elevation	677.78	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
			Product Observed (yes/no)	N/A	Depth to product	N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0755	0	16.6	174	2.2	-44	0.11	9	8.7	Clear	Clear	None
0800	500	16.8	169	1.5	-99	0.11	5	8.9	Clear	Clear	None
0805	500	16.0	324	1.2	-108	0.21	10	7.7	Clear	Clear	None
0810	500	16.2	403	1.4	-59	0.26	11	7.4	Clear	Clear	None
0815	500	16.2	415	1.5	-29	0.27	10	7.4	Clear	Clear	None
0820	500	16.4	418	1.6	-1	0.27	7	7.4	Clear	Clear	None
0825	500	16.0	419	1.6	7	0.27	5	7.4	Clear	Clear	None
0830	500	15.9	419	1.6	14	0.27	2	7.4	Clear	Clear	None
0835	500	15.9	420	1.6	20	0.27	1	7.4	Clear	Clear	None
0840	500	15.8	418	1.6	25	0.27	1	7.4	Clear	Clear	None
0845	500	15.9	419	1.6	25	0.27	1	7.4	Clear	Yellow	None
0850	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	5000		No								
QA/QC Samples									Signature		
N/A											



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OLF-G42

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	71.13	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/20/2021
Well Depth (TOC)	174.5	feet						
Water Column Thickness	103.37	feet	Equipment	Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Laboratory	TestAmerica	Sample Depth	164
Casing Diameter	4	inches						
Casing Volume	67.19	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	746.2	feet						
Groundwater Elevation	675.07	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1150	0	16.0	437	4.3	-12	0.28	25	7.3	Clear	Clear	None
1155	450	15.7	445	6.4	-97	0.29	33	7.3	Cloudy	Clear	None
1200	450	15.6	445	5.8	-104	0.29	38	7.3	Cloudy	Clear	None
1205	450	15.7	446	5.5	-109	0.29	37	7.4	Cloudy	Clear	None
1210	450	15.8	448	5.4	-113	0.29	35	7.4	Cloudy	Clear	None
1215	450	15.7	448	4.8	-121	0.29	29	7.5	Cloudy	Clear	None
1220	450	15.7	449	4.7	-122	0.29	23	7.5	Clear	Clear	None
1225	450	15.6	452	4.3	-124	0.30	18	7.5	Clear	Clear	None
1230	450	15.7	455	4.2	-126	0.30	15	7.5	Clear	Clear	None
1235	450	15.5	459	4.0	-127	0.30	15	7.5	Clear	Clear	None
1240	450	15.0	460	3.9	-128	0.30	14	7.5	Clear	Clear	None

1245	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	4500	No									

QA/QC Samples	Signature							
MS/MSD								



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OLF-G43

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	92.2	feet	Sample Method	Low Flow	Sampler	Jtulley	Date	11/15/2021
Well Depth (TOC)	220.6	feet			Location (Site)	LF3	Begin Time	11:15
Water Column Thickness	128.4	feet	Equipment	Geotech Bladder Pump	Laboratory	TestAmerica	Sample Depth	213
					Sample Suite	See COCs		
Casing Diameter	4	inches	Temperature (°F)	61°	Meters	Serial numbers		
Casing Volume	83.46	gallons			Solinst Water Level Meter			
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4			Weather Conditions	Sunny	Geotech Geocontrol PRO			
Well Elevation (TOC)	761.05	feet			Calibration	Ferrous Iron (Fe II) (mg/L)		
Groundwater Elevation	668.85	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Field	11/15/2021		
					Product Observed (yes/no)	Depth to product		
					N/A	N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
11:55	0	16.8	158	7.3	20	0.10	30	7.5	Clear	Clear	None
12:00	700	17.3	150	4.7	39	0.10	23	6.7	Clear	Clear	None
12:05	700	17.1	170	4.9	109	0.11	23	6.6	Clear	Clear	None
12:10	700	16.9	170	5.0	120	0.11	21	6.6	Clear	Clear	None
12:15	700	17.1	171	4.9	127	0.11	15	6.6	Clear	Clear	None
12:20	700	17.1	170	4.9	128	0.11	8	6.6	Clear	Clear	None
12:25	700	17.8	171	5.0	134	0.11	7	6.6	Clear	Clear	None
12:30	700	17.0	172	4.6	135	0.11	5	6.6	Clear	Clear	None
12:35	700	17.1	172	4.9	135	0.11	6	6.6	Clear	Clear	None
12:40	700	16.7	187	4.6	133	0.11	5	6.7	Clear	Clear	None
12:45	700	16.8	189	3.9	133	0.12	5	6.7	Clear	Clear	None
12:50	700	17.9	189	3.9	134	0.12	5	6.7	Clear	Clear	None
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	7700		No			12:51 Collecting Sample Suite					
QA/QC Samples									Signature		
N/A											



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OLF-G47

Project

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Project Number

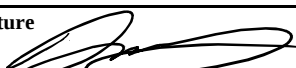
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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	59.89	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/20/2021
Well Depth (TOC)	322	feet						
Water Column Thickness	262.11	feet	Equipment	Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	303
Casing Diameter	4	inches						
Casing Volume	170.37	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	717.46	feet						
Groundwater Elevation	657.57	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1350	0	19.4	193	1.0	-161	0.12	1	7.1	Clear	Clear	None
1355	400	19.6	107	0.9	-139	0.07	1	6.8	Clear	Clear	None
1400	400	19.9	84	0.9	-127	0.06	1	6.6	Clear	Clear	None
1405	400	19.9	76	1.0	-106	0.05	1	6.6	Clear	Clear	None
1410	400	19.9	99	1.0	-111	0.07	1	6.4	Clear	Clear	None
1415	400	19.6	195	1.0	-131	0.09	1	6.7	Clear	Clear	None
1420	400	19.1	333	1.7	-116	0.23	1	7.4	Clear	Clear	None
1425	400	19.4	373	1.9	-106	0.24	0	7.4	Clear	Clear	None
1430	400	19.4	375	1.9	-105	0.24	0	7.4	Clear	Clear	None
1435	400	19.3	377	1.9	-108	0.25	0	7.4	Clear	Clear	None
1440	400	19.4	379	2.0	-111	0.25	0	7.4	Clear	Clear	None

1445	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	4000	No									

QA/QC Samples	Signature 										



Matrix Environmental Services
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OLF-G48

Project

McClellan

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	49.35	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/20/2021
Well Depth (TOC)	405	feet						
Water Column Thickness	355.65	feet	Equipment	Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	395
Casing Diameter	4	inches						
Casing Volume	231.17	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	717.63	feet						
Groundwater Elevation	668.28	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1455	0	19.0	314	9.5	22	0.20	11	7.3	Clear	Clear	None
1500	750	19.3	109	2.0	-140	0.07	10	6.7	Clear	Clear	None
1505	750	19.3	104	1.4	-152	0.07	10	6.8	Clear	Clear	None
1510	750	19.2	109	1.5	-147	0.07	10	6.8	Clear	Clear	None
1515	750	18.9	206	1.6	-147	0.16	11	7.2	Clear	Clear	None
1520	750	18.1	310	2.4	-97	0.20	11	7.5	Clear	Clear	None
1525	750	18.1	313	2.5	-79	0.20	10	7.6	Clear	Clear	None
1530	750	18.0	315	2.6	-62	0.20	10	7.6	Clear	Clear	None
1535	750	18.0	313	2.7	-58	0.20	11	7.6	Clear	Clear	None
1540	750	18.0	314	2.7	-58	0.20	10	7.6	Clear	Clear	None
1545	750	18.1	314	2.8	-57	0.20	10	7.6	Clear	Clear	None

1550	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	7500	No									

QA/QC Samples	Signature
N/A	



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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	80.62	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/17/2021
Well Depth (TOC)	110	feet			Location (Site)	LF3	Begin Time	1205
Water Column Thickness	29.38	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	100
Casing Diameter	4	inches			Sample Suite	See COCs		
Casing Volume	19.10	gallons	Weather Conditions	Temperature (°F)	Meters	YSI Pro Plus Geotech Water Level Meter Micro TPW Turbidity Mete	Serial numbers	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4								
Well Elevation (TOC)	753.3	feet	Sunny		11/17/2021		N/A	
Groundwater Elevation	672.68	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1210	0	18.3	59	8.3	182	0.04	22	4.8	Clear	Clear	None
1215	375	18.5	56	7.2	178	0.04	31	4.9	Cloudy	Clear	None
1220	375	18.2	55	6.5	179	0.04	26	4.8	Clear	Clear	None
1225	375	17.9	54	5.7	181	0.04	20	4.8	Clear	Clear	None
1230	375	17.9	53	5.5	180	0.03	20	4.8	Clear	Clear	None
1235	375	17.8	53	5.5	180	0.03	20	4.8	Clear	Clear	None
1240	375	17.8	53	5.5	179	0.03	19	4.9	Clear	Clear	None
1245	375	17.8	53	5.5	179	0.03	19	4.9	Clear	Clear	None
1250	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	2625		No								
QA/QC Samples									Signature		
DUP 381											



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OLF-G50

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	81.21	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/17/2021
Well Depth (TOC)	159	feet			Location (Site)	LF3	Begin Time	1040
Water Column Thickness	77.79	feet	Equipment	Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	149
Casing Diameter	4	inches			Sample Suite	See COCs		
Casing Volume	50.56	gallons	Temperature (°F)	66°	Meters	Serial numbers		
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4					YSI Pro Plus			
Well Elevation (TOC)	753.62	feet	Weather Conditions	Sunny	Geotech Water Level Meter			
Groundwater Elevation	672.41	feet			Micro TPW Turbidity Mete			
			Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Ferrous Iron (Fe II) (mg/L)		
					Field			
					11/17/2021	N/A		
					Product Observed (yes/no)	Depth to product		
					N/A	N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1040	0	18.8	137	6.9	-20	0.09	29	6.6	Cloudy	Brown	None
1045	500	18.6	158	5.5	-11	1.00	25	6.4	Clear	Clear	None
1050	500	18.4	177	4.6	-2	0.12	19	6.0	Clear	Clear	None
1055	500	18.2	207	4.5	24	0.13	14	6.0	Clear	Clear	None
1100	500	18.1	208	4.3	44	0.13	8	6.0	Clear	Clear	None
1105	500	18.3	206	4.1	56	0.13	5	6.0	Clear	Clear	None
1110	500	18.1	203	4.1	66	0.13	5	6.0	Clear	Clear	None
1115	500	18.1	196	4.2	74	0.13	5	5.9	Clear	Clear	None
1120	500	18.0	191	4.1	83	0.12	5	5.9	Clear	Clear	None
1125	500	17.9	190	4.0	85	0.12	5	5.9	Clear	Clear	None
1130	500	17.9	187	4.0	87	0.12	5	6.0	Clear	Clear	None

1135	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	5000	No									

QA/QC Samples	Signature
N/A	



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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	78.7	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/17/2021
Well Depth (TOC)	259	feet						
Water Column Thickness	180.3	feet	Equipment	Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	249
Casing Diameter	4	inches						
Casing Volume	117.20	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	753.69	feet						
Groundwater Elevation	674.99	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0915	0	18.9	141	3.4	-93	0.09	91	6.3	Cloudy	Brown	None
0920	500	18.8	224	3.3	-82	0.13	28	6.5	Clear	Clear	None
0925	500	18.7	275	3.3	-53	0.18	24	6.6	Clear	Clear	None
0930	500	18.9	309	3.3	-32	0.20	19	6.8	Clear	Clear	None
0935	500	18.7	309	3.4	-25	0.20	32	6.8	Cloudy	Clear	None
0940	500	18.5	308	3.4	-20	0.20	30	6.7	Clear	Clear	None
0945	500	18.4	307	3.4	-14	0.20	23	6.7	Clear	Clear	None
0950	500	18.3	309	3.4	-6	0.20	14	6.7	Clear	Clear	None
0955	500	18.2	310	3.4	2	0.20	12	6.6	Clear	Clear	None
1000	500	18.2	310	3.5	5	0.20	11	6.7	Clear	Clear	None
1005	500	18.3	311	3.5	8	0.20	11	6.7	Clear	Clear	None

1010	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	5000	No									

QA/QC Samples	Signature
N/A	



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OLF-G52

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 53.11 feet	Sample Method Low Flow	Sampler JTulley	Date 11/15/2022
Well Depth (TOC) 377.5 feet		Location (Site) LF3	Begin Time 9:00
Water Column Thickness 324.39 feet	Equipment Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 367
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 210.85 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 54°	Meters YSI pro plus#2	Serial numbers Geotech Water Level Meter
Well Elevation (TOC) 723.83 feet	Weather Conditions Sunny	Calibration Field 11/15/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 670.72 feet		Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
9:35	0	17.6	380	7.2	-61	0.25	30	11.1	Clear	Clear	None
9:40	700	17.7	491	2.6	-144	0.31	29	11.0	Clear	Clear	None
9:45	700	18.4	337	2.0	-104	0.22	31	9.1	Clear	Clear	None
9:50	700	18.6	338	2.0	-96	0.22	49	8.8	Cloudy	Clear	None
9:55	700	18.8	346	2.0	-77	0.22	71	8.6	Cloudy	Clear	None
10:00	700	18.6	346	2.0	-66	0.22	89	8.6	Cloudy	Clear	None
10:05	700	18.4	346	1.9	-65	0.22	90	8.7	Cloudy	Clear	None
10:10	700	18.8	340	1.7	-55	0.22	96	8.8	Cloudy	Clear	None
10:15	700	18.8	341	1.7	-55	0.22	94	8.8	Cloudy	Clear	None
10:20	700	19.0	340	1.7	-54	0.22	96	8.8	Cloudy	Clear	None
10:21	Collecting Sample Suite 9-2 11.15.21										

Total Time (min.) 45	Total Volume Removed 6300	Well pumped dry (yes/no) No	Notes

QA/QC Samples N/A	Signature <i>9.2</i>



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OLF-G70

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 61.23 feet	Sample Method Low Flow	Sampler Jtulley	Date 11/15/2021
Well Depth (TOC) 400 feet		Location (Site) LF3	Begin Time 07:15
Water Column Thickness 338.77 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 295
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 220.20 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 37°	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 722.11 feet	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 660.88 feet		Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
8:00	0	16.2	343	4.6	124	0.22	7	7.7	Clear	Clear	None
8:05	550	16.2	343	4.3	122	0.22	7	7.7	Clear	Clear	None
8:10	550	16.7	344	3.5	105	0.22	7	7.8	Clear	Clear	None
8:15	550	17.0	343	3.1	104	0.22	6	7.8	Clear	Clear	None
8:20	550	17.0	343	3.1	103	0.22	6	7.8	Clear	Clear	None
8:25	550	17.3	344	3.4	98	0.22	6	7.8	Clear	Clear	None
8:30	550	16.8	344	3.1	99	0.22	5	7.8	Clear	Clear	None
8:35	550	17.0	345	2.9	99	0.22	5	7.8	Clear	Clear	None
8:36	Collecting Sample Suite										

Total Time (min.) 35	Total Volume Removed 3850	Well pumped dry (yes/no) No	Notes

QA/QC Samples	Signature J. Z.



Matrix Environmental Services
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OLF-G71

Project

McClellan

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) N/A feet	Sample Method FLUTE well purge	Sampler J. Tulley	Date 11/10/2021
Well Depth (TOC) 245 feet		Location (Site) LF3	Begin Time 1300
Water Column Thickness N/A feet	Equipment Multi-level Port Well	Laboratory TestAmerica	Sample Depth Sampled from Ports
		Sample Suite See COCs	
Casing Diameter N/A inches	Temperature (°F) 75°	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Casing Volume N/A gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Well Elevation (TOC) 742.43 feet		11/10/2021	
Groundwater Elevation N/A feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Product Observed (yes/no) N/A
			Depth to product N/A

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	14:50	20.7	1020	4.2	-50	0.66	5	7.4	Clear	Clear	None
Port 2	15:05	18.9	725	0.5	-137	0.47	6	7.4	Clear	Clear	None
Port 3	15:20	18.8	926	2.9	-54	0.60	7	7.3	Clear	Clear	None
Port 4	15:40	18.3	584	0.7	-119	0.38	8	7.6	Clear	Clear	None
Port 5	15:50	18.7	560	1.2	-132	0.36	6	7.7	Clear	Clear	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)			Notes						
N/A	N/A	Yes									
QA/QC Samples									Signature		
N/A											



Matrix Environmental Services
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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) N/A feet	Sample Method FLUTE well purge	Sampler J. Tulley	Date 11/11/2021
Well Depth (TOC) 245 feet		Location (Site) LF3	Begin Time 800
Water Column Thickness N/A feet	Equipment Multi-level Port Well	Laboratory TestAmerica	Sample Depth Sampled from Ports
		Sample Suite See COCs	
Casing Diameter N/A inches	Temperature (°F) 72°	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter
Casing Volume N/A gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Geotech Geocontrol PRO	
Well Elevation (TOC) 747.03 feet		Calibration Field 11/11/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation N/A feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Product Observed (yes/no) N/A
		Depth to product N/A	

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	10:00	18.4	1052	0.5	-114	0.68	8	7.1	Bubbly	Clear	None
Port 2	10:30	19.1	1130	0.6	-97	0.73	9	7.0	Bubbly	Clear	None
Port 3	10:50	18.7	664	0.6	-72	0.43	8	7.1	Clear	Clear	None
Port 4	11:15	19.3	814	1.1	-80	0.53	11	7.0	Bubbly	Clear	None
Port 5	11:35	19.7	460	0.8	-85	0.30	6	7.4	Clear	Clear	None
Port 6	12:00	20.3	457	0.3	-88	0.30	5	7.6	Clear	Clear	None
Total Time (min.) N/A	Total Volume Removed N/A	Well pumped dry (yes/no) Yes		Notes Ports 1, 2, & 4 were Sprite like.							

QA/QC Samples

MS/MSD on OLF-G72 Port 1, DUP385 on OLF-G72 Port 3

Signature



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OLF-G73

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) N/A feet	Sample Method FLUTE well purge	Sampler J. Tulley	Date 11/12/2021
Well Depth (TOC) 270 feet		Location (Site) LF3	Begin Time 815
Water Column Thickness N/A feet	Equipment Multi-level Port Well	Laboratory TestAmerica	Sample Depth Sampled from Ports
		Sample Suite See COCs	
Casing Diameter N/A inches	Temperature (°F)	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Casing Volume N/A gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Well Elevation (TOC) 749.26 feet		11/12/2021	
Groundwater Elevation N/A feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	10:10	19.3	631	0.5	-89	0.41	5	7.0	Clear	Clear	None
Port 2	10:30	20.0	51	0.6	-61	0.33	5	7.0	Clear	Clear	None
Port 3	10:50	20.0	519	0.5	-119	0.34	5	7.2	Clear	Clear	None
Port 4	11:10	19.1	456	0.6	-96	0.30	7	7.0	Clear	Clear	None
Port 5	11:30	19.6	475	1.0	-85	0.31	6	7.2	Clear	Clear	None
Total Time (min.) N/A	Total Volume Removed N/A	Well pumped dry (yes/no) Yes		Notes N/A							

QA/QC Samples

N/A

Signature



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OLF-G74

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) N/A feet	Sample Method FLUTE well purge	Sampler J. Tulley	Date 11/10/2021
Well Depth (TOC) 265 feet		Location (Site) LF3	Begin Time 845
Water Column Thickness N/A feet	Equipment Multi-level Port Well	Laboratory TestAmerica	Sample Depth Sampled from Ports
		Sample Suite See COCs	
Casing Diameter N/A inches	Temperature (°F) 75°	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Casing Volume N/A gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Well Elevation (TOC) 750.44 feet		11/10/2021	
Groundwater Elevation N/A feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	11:00	19.1	62	1.1	17	0.04	6	5.4	Clear	Clear	None
Port 2	11:20	19.0	373	0.7	-67	0.24	5	6.4	Clear	Clear	None
Port 3	11:35	19.3	454	0.4	-170	0.30	6	7.2	Clear	Clear	None
Port 4	11:55	18.4	457	0.7	-154	0.29	7	6.8	Clear	Clear	None
Port 5	12:20	19.3	471	0.6	-133	0.31	6	7.6	Clear	Clear	None
Total Time (min.) N/A	Total Volume Removed N/A	Well pumped dry (yes/no) Yes		Notes N/A							

QA/QC Samples

DUP384 on OLF-G74 Port 1

Signature



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OLF-G75 Screen 3

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 72.34 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/19/2021
Well Depth (TOC) 300.5 feet		Location (Site) LF3	Begin Time 1130
Water Column Thickness 228.16 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 170
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 36.51 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 55°	Meters YSI Pro Plus #2	Serial numbers
Well Elevation (TOC) 749.89 feet	Weather Conditions Sunny	Geotech Water Level Meter Micro TPW Turbidity Mete	
Groundwater Elevation 677.55 feet		Calibration Field 11/19/2021	Ferrous Iron (Fe II) (mg/L) N/A
	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1130	4500	11.6	417	2.2	26	0.27	77	7.3	Cloudy	White	None
1135	375	11.0	421	2.0	21	0.28	127	7.4	Cloudy	White	None
1140	375	10.9	425	2.0	19	0.28	156	7.4	Cloudy	White	None
1145	375	10.9	427	2.0	14	0.28	165	7.4	Cloudy	White	None
1150	375	11.0	429	1.9	12	0.28	176	7.4	Cloudy	White	None
1155	375	11.4	435	1.9	10	0.28	157	7.4	Cloudy	White	None
1200	375	11.9	442	1.8	1	0.29	126	7.5	Cloudy	White	None
1205	375	12.1	444	1.7	-5	0.29	100	7.6	Cloudy	White	None
1210	375	12.8	443	1.6	-22	0.29	88	7.6	Cloudy	White	None
1215	375	13.1	444	1.6	-32	0.29	78	7.6	Cloudy	White	None
1220	375	13.5	444	1.6	-38	0.29	78	7.6	Cloudy	White	None
1225	375	13.9	445	1.6	-43	0.29	76	7.6	Cloudy	White	None
Total Time (min.) 55	Total Volume Removed 8625		Well pumped dry (yes/no) No			Notes Continued on page 2.					
QA/QC Samples									Signature 		



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G75 Screen 5

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	72.34	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/19/2021
Well Depth (TOC)	300.5	feet						
Water Column Thickness	228.16	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	250
Casing Diameter	2	inches						
Casing Volume	36.51	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus #2 Geotech Water Level Meter Micro TPW Turbidity Meter	Serial numbers	N/A
Well Elevation (TOC)	749.89	feet						
Groundwater Elevation	677.55	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
			Product Observed (yes/no)	N/A	Depth to product	N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1015	0	9.3	468	3.9	16.4	0.29	45	7.4	Cloudy	White	None
1020	500	10.5	449	3.8	23.6	0.29	41	7.4	Cloudy	White	None
1025	500	12.1	429	3.6	22.3	0.28	39	7.5	Cloudy	White	None
1030	500	12.4	437	3.4	17.7	0.28	35	7.5	Cloudy	White	None
1035	500	12.6	419	2.7	13.0	0.27	30	7.5	Cloudy	White	None
1040	500	12.7	412	2.5	9.0	0.27	25	7.5	Clear	Clear	None
1045	500	12.4	441	2.2	6.1	0.29	16	7.5	Clear	Clear	None
1050	500	12.4	446	2.1	6.8	0.29	13	7.5	Clear	Clear	None
1055	500	12.5	449	2.0	7.2	0.29	12	7.6	Clear	Clear	None
1100	500	12.6	449	1.9	6.4	0.29	12	7.6	Clear	Clear	None
1105	500	12.7	449	1.9	5.9	0.29	12	7.6	Clear	Clear	None

1110	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	5000	No									

QA/QC Samples	Signature									



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G77

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 61.27 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/20/2021
Well Depth (TOC) 84.5 feet		Location (Site) LF3	Begin Time 0915
Water Column Thickness 23.23 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 79
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 3.72 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 48°	Meters YSI Pro Plus#2	Serial numbers Geotech Water Level Meter Micro TPW Turbidity Mete
Well Elevation (TOC) 747.04 feet	Weather Conditions Sunny	Calibration Field 11/20/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 685.77 feet		Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0915	0	14.9	266	8.5	168	0.18	11	5.9	Clear	Clear	None
0920	375	15.9	304	6.3	132	0.20	8	6.0	Clear	Clear	None
0925	375	16.0	314	4.8	119	0.20	4	6.0	Clear	Clear	None
0930	375	15.7	319	4.1	109	0.21	2	6.0	Clear	Clear	None
0935	375	15.8	313	3.4	98	0.20	1	6.0	Clear	Clear	None
0940	375	15.7	314	3.1	92	0.20	1	5.9	Clear	Clear	None
0945	375	15.8	315	3.1	89	0.20	0	5.9	Clear	Clear	None
0950	375	15.8	318	3.0	83	0.21	1	6.0	Clear	Clear	None
0955	375	16.0	319	2.9	79	0.21	1	6.0	Clear	Clear	None
1000	375	16.0	320	3.0	77	0.21	1	6.0	Clear	Clear	None
1005	Collect Sample										
Total Time (min.) 55	Total Volume Removed 3375		Well pumped dry (yes/no) No			Notes					
QA/QC Samples									Signature 		



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G78

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	69.28	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/20/2021
Well Depth (TOC)	85	feet						
Water Column Thickness	15.72	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	80
Casing Diameter	4	inches						
Casing Volume	10.22	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	748.99	feet						
Groundwater Elevation	679.71	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1040	0	18.7	98	5.4	137	0.07	26	5.3	Cloudy	White	None
1045	375	18.6	106	2.6	120	0.07	26	5.1	Cloudy	White	None
1050	375	18.9	108	2.0	75	0.07	29	5.4	Cloudy	White	None
1055	375	19.0	110	2.1	46	0.07	30	5.5	Cloudy	White	None
1100	375	19.2	109	2.1	33	0.07	32	5.5	Cloudy	White	None
1105	375	19.3	108	2.2	29	0.07	26	5.6	Cloudy	White	None
1110	375	19.3	108	2.3	21	0.07	27	5.6	Cloudy	White	None
1115	375	19.4	108	2.4	18	0.07	27	5.6	Cloudy	White	None
1120	375	19.6	108	2.4	14	0.07	27	5.7	Cloudy	White	None
1125	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
45	3000	No		White flecks in the sample, white residue on the well and on the pump when removed.							

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-229-GP12

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
30.36 feet	Low Flow	D. Abernathy	11/19/2021
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
168 feet	Geotech Bladder Pump Geotech Geocontrol PRO	LF3	0810
Water Column Thickness		Laboratory	Sample Depth
137.64 feet		TestAmerica	163
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches	43°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
89.47 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	YSI Pro Plus#2	Geotech Water Level Meter
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
743.79 feet		Field	
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
713.43 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0810	0	14.1	154	8.8	8	0.10	5	9.7	Clear	Clear	None
0815	625	15.4	178	7.4	-9	0.12	4	9.6	Clear	Clear	None
0820	625	14.4	176	8.5	7	0.11	4	9.7	Clear	Clear	None
0825	625	14.8	173	9.6	14	0.11	4	10.0	Clear	Clear	None
0830	625	15.1	177	7.0	-31	0.12	3	10.3	Clear	Clear	None
0835	625	15.2	178	6.1	-49	0.12	3	10.4	Clear	Clear	None
0840	625	15.4	178	5.2	-61	0.12	2	10.5	Clear	Clear	None
0845	625	15.6	178	4.2	-71	0.12	2	10.6	Clear	Clear	None
0850	625	15.8	178	4.0	-82	0.12	2	10.6	Clear	Clear	None
0855	625	16.0	179	3.8	-87	0.12	2	10.6	Clear	Clear	None
900	625	16.2	177	3.7	-90	0.12	2	10.6	Clear	Clear	None

0905	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	6250	No									

QA/QC Samples	Signature



Matrix Environmental Services
283 Rucker Street
Anniston, Alabama 36205
(256) 847-0780
(256) 847-0905

Project Name

McClellan Landfill 3 and FANWR

Project Number

21.094.22-05.2

GROUNDWATER LEVELS**Field Personnel**

Abernathy

Measuring Equipment

Solinst Water Level Meter

Date

5/5/22 - 5/6/22

Conditions

85°, Sunny and 74°, Overcast

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
LF4-MW01	4 inch	5/5/2022	1303	12.56	40.00	27.44	DA
LF4-MW02	4 inch	5/5/2022	1258	20.39	40.25	19.86	DA
LF4-MW03	4 inch	5/5/2022	1254	13.21	34.20	20.99	DA
LF4-MW04	4 inch	5/5/2022	1249	5.95	26.80	20.85	DA
LF4-MW05	4 inch	5/5/2022	1309	11.17	34.60	23.43	DA
OLF-G04	4 inch	5/5/2022	1443	42.81	60.50	17.69	DA
OLF-G05	4 inch	5/5/2022	1513	34.62	60.40	25.78	DA
OLF-G06	4 inch	5/5/2022	1452	64.29	72.58	8.29	DA
OLF-G07	4 inch	5/5/2022	1502	42.18	62.50	20.32	DA
OLF-G08	4 inch	5/5/2022	1510	31.55	45.00	13.45	DA
OLF-G09	4 inch	5/5/2022	1432	25.17	32.00	6.83	DA
OLF-G10	4 inch	5/5/2022	1320	15.65	28.00	12.35	DA
OLF-G12	4 inch	5/6/2022	1015	60.45	87.00	26.55	DA
OLF-G16	4 inch	5/5/2022	1448	35.99	37.45	1.46	DA
OLF-G17	4 inch	5/5/2022	1520	22.38	42.00	19.62	DA
OLF-G18	4 inch	5/6/2022	1030	39.15	58.30	19.15	DA
OLF-G19	4 inch	5/6/2022	1018	47.10	68.00	20.90	DA
OLF-G20	4 inch	5/5/2022	1505	51.98	175.00	123.02	DA
OLF-G21	4 inch	5/6/2022	1035	50.82	175.00	124.18	DA
OLF-G22	4 inch	5/6/2022	1012	62.00	175.00	113.00	DA
OLF-G23	4 inch	5/6/2022	1000	59.44	175.00	115.56	DA
OLF-G24	4 inch	5/6/2022	1003	60.15	95.00	34.85	DA
OLF-G25	4 inch	5/6/2022	1025	50.90	175.50	124.60	DA
OLF-G26	4 inch	5/6/2022	1027	59.25	100.00	40.75	DA



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780
(256) 847-0905

Project Name

McClellan Landfill 3 and FANWR

Project Number

21.094.22-05.2

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G27	4 inch	5/6/2022	0845	80.94	300.00	219.06	DA
OLF-G28	4 inch	5/6/2022	0848	69.82	150.00	80.18	DA
OLF-G29	4 inch	5/6/2022	1053	85.10	222.50	137.40	DA
OLF-G30	4 inch	5/6/2022	1049	86.03	297.20	211.17	DA
OLF-G31	4 inch	5/6/2022	1058	99.88	225.00	125.12	DA
OLF-G32	4 inch	5/6/2022	1054	108.65	182.00	73.35	DA
OLF-G35	4 inch	5/6/2022	1005	59.63	260.00	200.37	DA
OLF-G36	4 inch	5/6/2022	1009	61.46	258.80	197.34	DA
OLF-G37	4 inch	5/6/2022	1044	78.12	204.00	125.88	DA
OLF-G40	2 inch	5/5/2022	1305	14.53	125.00	110.47	DA
OLF-G41	2 inch	5/5/2022	1322	18.07	85.70	67.63	DA
OLF-G42	2 inch	5/5/2022	1439	64.59	174.50	109.91	DA
OLF-G43	2 inch	5/6/2022	0922	86.90	220.60	133.70	DA
OLF-G44	2 inch	5/6/2022	0925	90.80	295.10	204.30	DA
OLF-G45	2 inch	5/5/2022	1413	34.11	182.00	147.89	DA
OLF-G46	2 inch	5/5/2022	1410	37.00	250.00	213.00	DA
OLF-G47	2 inch	5/6/2022	0915	57.23	322.00	264.77	DA
OLF-G48	2 inch	5/6/2022	0918	44.56	405.00	360.44	DA
OLF-G49	2 inch	5/6/2022	0952	74.08	110.00	35.92	DA
OLF-G50	2 inch	5/6/2022	0948	74.86	159.00	84.14	DA
OLF-G51	2 inch	5/6/2022	0945	72.21	259.00	186.79	DA
OLF-G52	2 inch	5/6/2022	0902	58.13	377.50	319.37	DA
OLF-G53	2 inch	5/5/2022	1403	36.63	88.50	51.87	DA
OLF-G54	2 inch	5/5/2022	1344	11.18	37.22	26.04	DA
OLF-G55	2 inch	5/5/2022	1347	20.37	80.40	60.03	DA
OLF-G56	2 inch	5/5/2022	1312	20.51	40.50	19.99	DA
OLF-G57	2 inch	5/5/2022	1316	20.81	65.40	44.59	DA



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780
(256) 847-0905

Project Name

McClellan Landfill 3 and FANWR

Project Number

21.094.22-05.2

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G58	2 inch	5/5/2022	1340	12.00	29	17	DA
OLF-G66	4 inch	5/5/2022	1330	17.87	105	87.13	DA
OLF-G67	4 inch	5/5/2022	1328	17.73	149	131.27	DA
OLF-G68	4 inch	5/5/2022	1336	28.92	133	104.08	DA
OLF-G69	4 inch	5/5/2022	1333	22.88	177.5	154.62	DA
OLF-G70	4 inch	5/6/2022	0858	57.95	400	342.05	DA
OLF-G75	2 inch	5/5/2022	1450	65.70	300.5	234.8	DA
OLF-G76	2 inch	5/5/2022	1446	64.33	277	212.67	DA
OLF-G77	2 inch	5/5/2022	1448	55.99	84.5	28.51	DA
OLF-G78	2 inch	5/5/2022	1455	62.74	85	22.26	DA
OLF-G79	2 inch	5/5/2022	1500	61.62	300.5	238.88	DA
PPMP-229-GP08	4 inch	5/5/2022	1421	16.23	205.4	189.17	DA
PPMP-229-GP09	4 inch	5/5/2022	1425	6.02	40	33.98	DA
PPMP-229-GP10	4 inch	5/5/2022	1418	6.52	58	51.48	DA
PPMP-229-GP11	4 inch	5/5/2022	1354	25.70	75	49.3	DA
PPMP-229-GP12	4 inch	5/5/2022	1351	25.89	168	142.11	DA
PPMP-229-GP13	4 inch	5/5/2022	1406	29.78	45	15.22	DA
PPMP-229-GP14	4 inch	5/5/2022	1408	33.43	64	30.57	DA



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G07

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/20/2022	
42.35 feet		Location (Site) LF3	Begin Time 12:30	
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 57
62.5 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 86°	Meters Serial numbers		
20.15 feet		YSI Pro Plus #2 Geotech Water Level Meter Micro TPW Turbidimeter		
Casing Diameter		Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L)
4 inches			5/20/2022	N/A
Casing Volume				
13.10 gallons	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4				
Well Elevation (TOC)				
741.36 feet				
Groundwater Elevation				
699.01 feet				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1230	0	20.8	76	3.9	171	0.05	7	4.9	Clear	Clear	None
1235	625	20.4	74	2.8	212	0.05	6	4.5	Clear	Clear	None
1240	625	20.7	73	2.5	226	0.05	7	4.5	Clear	Clear	None
1245	625	20.3	72	2.5	235	0.05	8	4.5	Clear	Clear	None
1250	625	2.0	71	2.4	234	0.05	8	4.5	Clear	Clear	None
1255	625	20.0	71	2.4	234	0.05	8	4.6	Clear	Clear	None
1300	625	20.2	72	2.3	234	0.05	8	4.6	Clear	Clear	None
1305	625	20.1	72	2.3	232	0.05	8	4.6	Clear	Clear	None
1310	625	20.3	72	2.3	232	0.05	8	4.6	Clear	Clear	None
1315	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5000		No								
QA/QC Samples									Signature 		
MS/MSD											



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G12

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)		Sample Method	Sampler	Date
61.1	feet	Low Flow	D. Abernathy	5/18/2022
Well Depth (TOC)			Location (Site)	Begin Time
87	feet	Equipment	LF3	1030
Water Column Thickness			Laboratory	Sample Depth
25.9	feet	Geotech Bladder Pump Geotech Geocontrol PRO	Eurofins	80
			Sample Suite	
			See COCs	
Casing Diameter		Temperature (°F)	Meters	Serial numbers
4	inches	78°	YSI Pro Plus#2	
Casing Volume			Geotech Water Level Meter	
16.84	gallons	Weather Conditions	Micro TPW Turbidimeter	
			Calibration	Ferrous Iron (Fe II) (mg/L)
			Field	
Well Elevation (TOC)		Sunny		
745.43	feet		5/18/2020	N/A
Groundwater Elevation				
684.33	feet	Parameter Stabilization	Product Observed (yes/no)	Depth to product
		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1030	0	28.1	61	3.8	116	0.04	14	5.4	Clear	Clear	None
1035	625	26.9	57	3.9	146	0.04	10	5.0	Clear	Clear	None
1040	625	24.4	56	3.6	181	0.04	5	4.7	Clear	Clear	None
1045	625	24.2	56	3.2	205	0.04	5	4.7	Clear	Clear	None
1050	625	24.0	56	3.1	201	0.04	5	4.7	Clear	Clear	None
1055	625	24.1	58	2.9	200	0.04	5	4.7	Clear	Clear	None
1100	625	24.2	58	2.8	204	0.04	5	4.7	Clear	Clear	None
1105	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
35	3750	No									

QA/QC Samples

N/A

Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G18

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
39.82 feet	Low Flow	D. Abernathy	5/18/2022
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
58 feet	Geotech Bladder Pump Geotech Geocontrol PRO	LF3	13:05
Water Column Thickness		Laboratory	Sample Depth
18.18 feet		Eurofins	52
		Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4 inches	87°	YSI Pro Plus	
Casing Volume	Weather Conditions	Geotech Water Level Meter	
11.82 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	Micro TPW Turbidimeter	
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
741.6 feet		Field	
		5/18/2022	N/A
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
701.78 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1305	0	25.9	130	2.9	57	0.08	12	5.0	Clear	Clear	None
1310	500	24.8	118	2.0	59	0.07	16	4.8	Clear	Clear	None
1315	500	24.1	110	1.3	61	0.07	14	4.7	Clear	Clear	None
1320	500	24.7	110	1.3	54	0.07	14	4.8	Clear	Clear	None
1325	500	25.1	111	1.2	39	0.07	14	5.1	Clear	Clear	None
1330	500	25.8	110	1.1	38	0.02	14	5.1	Clear	Clear	None
1335	500	26.0	111	1.1	37	0.07	14	5.1	Clear	Clear	None
1340	500	26.0	110	1.0	40	0.07	14	5.1	Clear	Clear	None
1345	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
40	3500	No									

QA/QC Samples

N/A

Signature



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Station Name/Sample ID

OLF-G19

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	46.85	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/18/2022
Well Depth (TOC)	68	feet						
Water Column Thickness	21.15	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	Eurofins	Sample Depth	62
Casing Diameter	4	inches						
Casing Volume	13.75	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus#2 Geotech Water Level Meter Micro TPW Turbidimeter	Serial numbers	N/A
Well Elevation (TOC)	744.08	feet						
Groundwater Elevation	697.23	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
			Product Observed (yes/no)	N/A	Depth to product	N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1140	0	26.0	75	7.1	78	0.05	36	5.1	Cloudy	Brown	None
1145	500	25.9	62	6.6	104	0.04	41	4.9	Cloudy	Brown	None
1150	500	25.0	59	6.5	75	0.04	45	4.5	Cloudy	Brown	None
1155	500	25.6	58	6.0	87	0.04	35	4.5	Cloudy	Brown	None
1200	500	25.4	57	5.6	82	0.04	29	4.5	Clear	Clear	None
1205	500	25.3	57	5.3	87	0.04	23	4.6	Clear	Clear	None
1210	500	25.2	57	5.2	75	0.04	19	4.6	Clear	Clear	None
1215	500	25.3	57	5.0	67	0.04	18	4.6	Clear	Clear	None
1220	500	25.1	57	4.9	61	0.04	18	4.6	Clear	Clear	None
1225	500	24.9	57	4.8	62	0.04	18	4.6	Clear	Clear	None
1230	500	25.0	56	4.7	62	0.04	18	4.6	Clear	Clear	None

1233	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
53	5000	No									

QA/QC Samples	Signature
N/A	



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OLF-G20

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	52.5	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/20/2022
Well Depth (TOC)	175	feet			Location (Site)	LF3	Begin Time	1125
Water Column Thickness	122.5	feet	Equipment	Solinst Model 464 Controller Solinst Model 408 DV Pump	Laboratory	Eurofins	Sample Depth	162
Casing Diameter	4	inches	Temperature (°F)	84°	Meters	Serial numbers		
Casing Volume	79.63	gallons	Weather Conditions	Sunny	Geotech Water Level Meter			
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4					Micro TPW Turbidimeter			
Well Elevation (TOC)	741.43	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	
Groundwater Elevation	688.93	feet			5/20/2022	N/A		
			Product Observed (yes/no)	N/A	Depth to product		N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1130	0	21.9	677	1.8	-91	0.44	4	6.9	Clear	Clear	None
1135	625	20.5	699	1.0	-71	0.46	4	6.8	Clear	Clear	None
1140	625	20.3	704	0.7	-68	0.46	3	6.8	Clear	Clear	None
1145	625	20.5	705	0.7	-71	0.46	3	6.8	Clear	Clear	None
1150	625	20.8	706	0.6	-74	0.46	3	6.8	Clear	Clear	None
1155	625	20.5	705	0.5	-77	0.46	3	6.8	Clear	Clear	None
1200	625	20.2	704	0.4	-80	0.46	3	6.9	Clear	Clear	None
1205	625	20.3	705	0.4	-82	0.46	3	6.9	Clear	Clear	None
1210	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
40	4375	No									

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
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D.Abernathy

OLF-G21

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2022	
51.05 feet		Location (Site) LF3	Begin Time 14:00	
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 162
175 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 88°	Meters YSI Pro Plus #2		
123.95 feet		Serial numbers Geotech Water Level Meter		
Casing Diameter		Micro TPW Turbidimeter		
4 inches		Calibration Field	Ferrous Iron (Fe II) (mg/L)	
Casing Volume	Weather Conditions Sunny	5/18/2022	N/A	
80.57 gallons				
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Product Observed (yes/no) N/A		
Well Elevation (TOC)		Depth to product N/A		
742.57 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit			
Groundwater Elevation				
691.52 feet				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1405	0	29.1	232	3.2	-19	0.13	46	8.6	Cloudy	Brown	None
1410	625	25.6	215	1.4	-71	0.16	29	8.3	Clear	Clear	None
1415	625	25.1	308	4.6	-66	0.21	19	7.2	Clear	Clear	None
1420	625	24.7	433	3.4	-76	0.28	8	6.8	Clear	Clear	None
1425	625	25.2	452	3.5	-78	0.29	6	6.9	Clear	Clear	None
1430	625	25.6	458	3.4	-94	0.30	4	7.0	Clear	Clear	None
1435	625	25.8	457	3.3	-97	0.30	4	7.0	Clear	Clear	None
1440	625	25.3	457	3.3	-94	0.30	4	7.0	Clear	Clear	None
1445	625	25.5	456	3.2	-90	0.30	4	7.0	Clear	Clear	None
1450	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5000		No								
QA/QC Samples									Signature		
N/A											



Matrix Environmental Services
283 Rucker Street
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OLF-G22

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 62.77 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2022
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 08:15
Water Column Thickness 112.23 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 162
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 63°	Meters YSI Pro Plus #2	Serial numbers
Casing Volume 72.95 gallons	Weather Conditions Sunny	Geotech Water Level Meter	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Micro TPW Turbidimeter	
Well Elevation (TOC) 746.54 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L)
Groundwater Elevation 683.77 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	5/18/2022	N/A
		Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0815	0	19.0	339	1.0	167	0.24	1	5.9	Clear	Clear	None
0820	750	19.3	366	1.0	154	0.25	1	6.0	Clear	Clear	None
0825	750	19.3	385	1.0	142	0.25	1	6.0	Clear	Clear	None
0830	750	19.6	389	0.9	125	0.25	1	6.1	Clear	Clear	None
0835	750	19.7	390	0.9	122	0.25	1	6.2	Clear	Clear	None
0840	750	19.8	391	0.9	119	0.25	1	6.2	Clear	Clear	None
0845	750	19.9	392	0.8	115	0.25	1	6.2	Clear	Clear	None
0850	750	20.0	392	0.8	114	0.25	1	6.2	Clear	Clear	None
0855	Collect Sample										
Total Time (min.) 40	Total Volume Removed 5250	Well pumped dry (yes/no) No		Notes							

QA/QC Samples
DUP 395

Signature



Matrix Environmental Services
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Station Name/Sample ID

OLF-G23

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 60.21 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/17/2022
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 13:50
Water Column Thickness 114.79 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 74.61 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Meters YSI Pro Plus #2 GeotechWater Level Meter Micro TPW Turbidimeter	
Well Elevation (TOC) 743.89 feet		Calibration Field 5/17/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 683.68 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Product Observed (yes/no) N/A
		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1350	0	25.0	94	4.1	67	0.06	12	6.8	Clear	Clear	None
1355	625	25.8	203	6.6	124	0.15	10	5.8	Clear	Clear	None
1400	625	26.2	311	6.3	118	0.21	7	6.0	Clear	Clear	None
1405	625	26.2	320	6.2	114	0.21	6	6.0	Clear	Clear	None
1410	625	25.8	329	6.1	115	0.21	5	5.9	Clear	Clear	None
1415	625	25.3	330	5.9	118	0.22	4	5.9	Clear	Clear	None
1420	625	25.0	329	5.9	121	0.21	4	5.8	Clear	Clear	None
1425	625	24.8	330	5.7	124	0.21	4	5.8	Clear	Clear	None
1430	625	24.7	330	5.6	122	0.21	4	5.8	Clear	Clear	None
1435	625	24.6	330	5.5	11	0.21	3	5.8	Clear	Clear	None
1440	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	5625		No								
QA/QC Samples									Signature 		



Matrix Environmental Services
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Station Name/Sample ID

OLF-G24

Project

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21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 60.95 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/17/2022
95 feet		Location (Site) LF3	Begin Time 11:45
Water Column Thickness 34.05 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 87
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 80°	Meters YSI Pro Plus#2	Serial numbers
Casing Volume 22.13 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Geotech Water Level Meter Micro TPW Turbidimeter	
Well Elevation (TOC) 743.89 feet		Calibration Field 5/17/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 682.94 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1145	0	26.3	44	3.3	200	0.03	14	4.7	Clear	Clear	None
1150	500	26.6	44	3.0	196	0.03	13	4.8	Clear	Clear	None
1155	500	26.6	44	2.8	194	0.03	13	4.9	Clear	Clear	None
1200	500	26.6	43	2.6	193	0.03	11	4.9	Clear	Clear	None
1205	500	26.8	43	2.6	189	0.03	10	4.9	Clear	Clear	None
1210	500	26.3	43	2.5	191	0.03	10	4.9	Clear	Clear	None
1215	500	26.5	42	2.5	195	0.03	10	4.9	Clear	Clear	None
1220	500	26.5	42	2.4	193	0.03	10	4.9	Clear	Clear	None
1225	Collect Sample										
Total Time (min.) 40	Total Volume Removed 3500		Well pumped dry (yes/no) No			Notes					
QA/QC Samples									Signature 		



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G26

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/19/2022	
59.97 feet		Location (Site) LF3	Begin Time 07:20	
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 92
100 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 68°	Meters Serial numbers		
40.03 feet		YSI Pro Plus#2 Geotech Water Level Meter Micro TPW Turbidimeter		
Casing Diameter		Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L)
4 inches			5/19/2022	N/A
Casing Volume				
26.02 gallons	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4				
Well Elevation (TOC)				
745.04 feet				
Groundwater Elevation				
685.07 feet				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0725	0	23.9	107	4.0	452	0.07	9	6.1	Clear	Clear	None
0730	625	24.0	149	5.1	268	0.10	7	6.1	Clear	Clear	None
0735	625	24.0	196	6.6	116	0.13	4	6.2	Clear	Clear	None
0740	625	23.8	195	6.0	101	0.13	2	6.0	Clear	Clear	None
0745	625	23.8	194	5.5	89	0.13	3	6.0	Clear	Clear	None
0750	625	23.9	194	5.3	85	0.13	2	6.0	Clear	Clear	None
0755	625	24.1	193	5.0	78	0.13	2	6.0	Clear	Clear	None
0800	625	24.2	193	4.8	75	0.13	2	6.0	Clear	Clear	None
0805	625	24.2	193	4.6	74	0.13	2	6.0	Clear	Clear	None
0810	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5000		No								
QA/QC Samples DUP 397									Signature 		



Matrix Environmental Services
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Station Name/Sample ID

OLF-G31

Project

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Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
101.98 feet	Low Flow	D. Abernathy	5/18/2022
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
225 feet	Solinst Model 408 DV Pump Solinst Model 464 Controller	LF3	16:35
Water Column Thickness		Laboratory	Sample Depth
123.02 feet		Eurofins	208
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches	88°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
79.96 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	YSI pro plus#2	Geotech Water Level Meter
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
793.69 feet		Field	
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
691.71 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1635	0	22.8	177	3.2	39	0.12	7	6.9	Clear	Clear	None
1640	750	21.0	192	2.1	23	0.13	6	6.7	Clear	Clear	None
1645	750	19.9	204	1.1	14	0.13	5	6.4	Clear	Clear	None
1650	750	19.5	220	0.7	-26	0.14	5	6.8	Clear	Clear	None
1655	750	19.9	219	0.7	-30	0.14	4	6.9	Clear	Clear	None
1700	750	19.4	218	0.6	-30	0.14	4	6.8	Clear	Clear	None
1705	750	19.2	216	0.5	-30	0.14	4	6.9	Clear	Clear	None
1710	750	19.3	216	0.5	-28	0.14	4	6.8	Clear	Clear	None
1715	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	5250		No			Restriction in well causing difficulty removing pump, sample depth adjusted to 208'					
QA/QC Samples									Signature		



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G32

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2022	
109.39 feet		Location (Site) LF3	Begin Time 15:30	
Well Depth (TOC)		Equipment Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory Eurofins	Sample Depth 281
291 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 89°	Meters YSI pro plus #2		
181.61 feet		Serial numbers Geotech Water Level Meter		
Casing Diameter		Micro TPW Turbidimeter		
4 inches		Calibration Field		
Casing Volume	Weather Conditions Sunny	Ferrous Iron (Fe II) (mg/L)		
118.05 gallons		5/18/2022 N/A		
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Product Observed (yes/no) N/A		
Well Elevation (TOC)		Depth to product N/A		
793.41 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit			
Groundwater Elevation				
684.02 feet				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1530	0	23.5	208	4.5	46	0.14	8	6.9	Clear	Clear	None
1535	750	22.1	219	4.2	50	0.15	7	7.0	Clear	Clear	None
1540	750	21.3	226	3.9	55	0.15	6	7.2	Clear	Clear	None
1545	750	20.5	231	3.4	58	0.15	6	7.3	Clear	Clear	None
1550	750	20.7	231	3.1	57	0.15	6	7.4	Clear	Clear	None
1555	750	21.2	231	3.1	52	0.15	7	7.5	Clear	Clear	None
1600	750	21.1	231	3.1	50	0.15	7	7.6	Clear	Clear	None
1605	750	21.0	231	3.1	52	0.15	7	7.6	Clear	Clear	None
1610	750	21.1	229	3.0	53	0.15	6	7.5	Clear	Clear	None
1615	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	6000		No								
QA/QC Samples N/A									Signature 		



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G35

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/17/2022	
61.25 feet		Location (Site) LF3	Begin Time 12:40	
Well Depth (TOC)		Equipment Solinst Model 464 Controller Solinst Model 408 DV Pump	Laboratory Eurofins	Sample Depth 250
260 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 81°	Meters YSI Pro Plus		
198.75 feet		Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO		
Casing Diameter		Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
4 inches			5/17/2022	
Casing Volume				
129.19 gallons	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4				
Well Elevation (TOC)				
742.82 feet				
Groundwater Elevation				
681.57 feet				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1240	0	24.5	122	1.4	-69	0.08	29	6.4	Clear	Clear	None
1245	750	24.7	123	0.9	-72	0.08	19	6.3	Clear	Clear	None
1250	750	24.7	290	0.9	-76	0.20	9	6.7	Clear	Clear	None
1255	750	24.8	346	1.0	-56	0.22	6	6.8	Clear	Clear	None
1300	750	25.0	383	1.1	-32	0.25	5	6.9	Clear	Clear	None
1305	750	25.1	388	1.1	-16	0.25	5	7.0	Clear	Clear	None
1310	750	25.2	391	1.1	-4	0.25	4	7.0	Clear	Clear	None
1315	750	25.0	392	1.1	1	0.25	4	7.0	Clear	Clear	None
1320	750	24.8	392	1.1	5	0.26	4	7.0	Clear	Clear	None
1325	750	24.7	393	1.0	7	0.25	4	7.0	Clear	Clear	None
1330	Colect Sample										
Total Time (min.) 50	Total Volume Removed 6750	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

N/A

Signature



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Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
62.25		D. Abernathy	5/18/2022
feet		Location (Site)	Begin Time
Well Depth (TOC)		LF3	09:30
258.8	Equipment	Laboratory	Sample Depth
feet		Eurofins	250
Water Column Thickness		Sample Suite	
196.55	Solinst Model 464 Controller Solinst Model 408 DV Pump	See COCs	
feet			
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4	73°	YSI Pro Plus	
inches		Solinst Water Level Meter	
Casing Volume	Weather Conditions	Geotech Geocontrol PRO	
127.76		Calibration	Ferrous Iron (Fe II) (mg/L)
gallons		Field	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	5/18/2022	N/A
Well Elevation (TOC)	Parameter Stabilization	Product Observed (yes/no)	Depth to product
746.09		N/A	N/A
feet			
Groundwater Elevation	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		
683.84			
feet			

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0930	0	21.6	198	2.1	-101	0.12	6	8.7	Clear	Clear	Sulfur-like
0935	750	21.1	261	1.4	-140	0.19	7	7.6	Clear	Clear	Sulfur-like
0940	750	21.6	388	1.3	-110	0.26	7	7.4	Clear	Clear	Sulfur-like
0945	750	21.1	415	1.2	-51	0.27	7	7.2	Clear	Clear	None
0950	750	21.0	415	1.1	-45	0.27	7	7.2	Clear	Clear	None
0955	750	21.0	414	1.1	-45	0.27	7	7.2	Clear	Clear	None
1000	750	21.0	415	1.1	-43	0.27	7	7.2	Clear	Clear	None
1005	750	21.0	415	1.1	-41	0.27	7	7.3	Clear	Clear	None
1010	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	5250		No								
QA/QC Samples									Signature		
N/A											



Matrix Environmental Services
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Station Name/Sample ID

OLF-G42

Project

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Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/20/2022	
65.33 feet		Location (Site) LF3	Begin Time 07:30	
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 164
174.5 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 73°	Meters	Serial numbers	
109.17 feet		YSI Pro Plus#2 Geotech Water Level Meter		
Casing Diameter		Micro TPW Turbidimeter		
Casing Volume	Weather Conditions Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)	
70.96 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Field		
Well Elevation (TOC)	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	5/20/2022	N/A	
746.2 feet		Product Observed (yes/no) N/A	Depth to product N/A	
Groundwater Elevation				
680.87 feet				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0735	0	20.8	455	6.1	45	0.29	21	7.4	Clear	Clear	None
0740	625	19.4	443	4.2	-41	0.29	23	7.3	Clear	Clear	None
0745	625	19.2	442	3.5	-42	0.29	26	7.3	Clear	Clear	None
0750	625	19.1	441	2.6	-45	0.29	27	7.3	Clear	Clear	None
0755	625	19.1	442	2.5	-28	0.29	24	7.4	Clear	Clear	None
0800	625	19.2	443	2.1	-25	0.29	23	7.4	Clear	Clear	None
0805	625	19.4	442	2.1	-24	0.29	23	7.4	Clear	Clear	None
0810	625	19.2	443	2.1	-20	0.29	25	7.5	Clear	Clear	None
0815	Collect Sample										
Total Time (min.) 40	Total Volume Removed 4375	Well pumped dry (yes/no) No		Notes							

QA/QC Samples
MS/MSD

Signature



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OLF-G43

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 86.78 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/19/2022
Well Depth (TOC) 220.6 feet	Equipment Solinst Model 464 Contoller Solinst Model 408 DV Pump	Location (Site) LF3	Begin Time 15:20
Water Column Thickness 133.82 feet		Laboratory Eurofins	Sample Depth 213
Casing Diameter 4 inches	Temperature (°F) 91°	Meters YSI Pro Plus#2	Serial numbers Geotech Water Level Meter
Casing Volume 86.98 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Micro TPW Turbidimeter	
Well Elevation (TOC) 761.05 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 674.27 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1520	0	31.5	117	2.3	-36	0.08	27	6.2	Clear	Clear	None
1525	750	29.3	146	2.8	21	0.09	24	6.1	Clear	Clear	None
1530	750	28.0	179	3.2	68	0.12	22	5.9	Clear	Clear	None
1535	750	27.6	186	3.2	58	0.12	20	6.0	Clear	Clear	None
1540	750	27.2	198	3.3	74	0.13	18	6.1	Clear	Clear	None
1545	750	27.3	200	3.2	81	0.13	16	6.2	Clear	Clear	None
1550	750	27.4	203	3.2	83	0.13	15	6.2	Clear	Clear	None
1555	750	27.2	204	3.2	84	0.13	14	6.2	Clear	Clear	None
1600	750	27.1	204	3.2	86	0.13	13	6.2	Clear	Clear	None
1605	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	6000		No								
QA/QC Samples									Signature		
N/A											



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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 57.61 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/17/2022
Well Depth (TOC) 322 feet	Equipment Solinst Model 408 DV Pump Solinst Model 464 Controller	Location (Site) LF3	Begin Time 09:45
Water Column Thickness 264.39 feet		Laboratory Eurofins	Sample Depth 303
Casing Diameter 4 inches	Temperature (°F) 73°	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter
Casing Volume 171.85 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Micro TPW Turbidimeter	
Well Elevation (TOC) 717.46 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 659.85 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0945	0	20.4	97	1.3	-54	0.05	6	6.4	Clear	Clear	None
0950	750	20.8	62	1.4	-29	0.04	5	6.0	Clear	Clear	None
0955	750	20.6	57	1.0	-23	0.04	4	6.3	Clear	Clear	None
1000	750	20.8	319	1.6	-53	0.22	3	6.8	Clear	Clear	None
1005	750	20.9	369	1.9	-26	0.24	3	7.1	Clear	Clear	None
1010	750	21.0	376	1.9	-12	0.24	3	7.1	Clear	Clear	None
1015	750	21.1	378	1.9	-1	0.25	2	7.1	Clear	Clear	None
1020	750	21.3	380	1.9	3	0.25	2	7.1	Clear	Clear	None
1025	750	21.5	382	1.9	7	0.25	2	7.1	Clear	Clear	None
1030	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	6000		No								
QA/QC Samples									Signature 		



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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	45.21	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/17/2022
Well Depth (TOC)	405	feet						
Water Column Thickness	359.79	feet	Equipment	Solinst Model 464 Controller Solinst Model 408 DV Pump	Laboratory	Eurofins	Sample Depth	395
Casing Diameter	4	inches						
Casing Volume	233.86	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus	Serial numbers	Geotech Water Level Meter Micro TPW Turbidimeter
Well Elevation (TOC)	717.63	feet						
Groundwater Elevation	672.42	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
			Product Observed (yes/no)	N/A	Depth to product	N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0830	0	18.7	211	3.8	44	0.11	8	6.1	Clear	Clear	None
0835	750	19.0	106	1.1	-44	0.07	8	6.3	Clear	Clear	None
0840	750	19.1	119	1.0	-51	0.08	10	6.4	Clear	Clear	None
0845	750	19.2	229..6	1.4	-61	0.15	11	6.9	Clear	Clear	None
0850	750	19.2	308	1.8	-26	0.20	8	7.3	Clear	Clear	None
0855	750	19.3	314	1.9	-5	0.20	8	7.4	Clear	Clear	None
0900	750	19.4	315	1.9	7	0.20	8	7.4	Clear	Clear	None
0905	750	19.5	315	2.0	22	0.20	8	7.5	Clear	Clear	None
0910	750	19.6	316	2.0	26	0.21	8	7.5	Clear	Clear	None
0915	750	19.7	317	2.1	28	0.21	8	7.5	Clear	Clear	None
0920	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	6750		No								
QA/QC Samples DUP 398									Signature 		



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OLF-G49

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	75	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/19/2022
Well Depth (TOC)	110	feet						
Water Column Thickness	35	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory	Eurofins	Sample Depth	100
Casing Diameter	4	inches						
Casing Volume	22.75	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus	Serial numbers	Geotech Water Level Meter Micro TPW Turbidimeter
Well Elevation (TOC)	753.3	feet						
Groundwater Elevation	678.3	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
			Product Observed (yes/no)	N/A	Depth to product	N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1000	0	23.1	58	3.4	172	0.04	101	4.6	Cloudy	Brown	None
1005	500	22.7	56	2.7	199	0.04	107	4.5	Cloudy	Brown	None
1010	500	21.6	55	2.5	204	0.04	89	4.5	Cloudy	Brown	None
1015	500	22.0	55	2.3	202	0.04	75	4.5	Cloudy	Brown	None
1020	500	22.2	55	2.3	192	0.04	59	4.7	Cloudy	Clear	None
1025	500	22.2	54	2.2	192	0.04	50	4.7	Cloudy	Clear	None
1030	500	22.1	54	2.2	190	0.04	48	4.7	Cloudy	Clear	None
1035	500	22.0	54	2.2	189	0.04	47	4.7	Cloudy	Clear	None
1040	500	22.3	54	2.2	187	0.04	47	4.7	Cloudy	Clear	None
1045	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
45	4000	No									

QA/QC Samples

N/A

Signature



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OLF-G50

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 75.87 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/19/2022
Well Depth (TOC) 159 feet	Equipment Solinst Model 408 DV Pump Solinst Model 464 Controller	Location (Site) LF3	Begin Time 11:00
Water Column Thickness 83.13 feet		Laboratory Eurofins	Sample Depth 149
Casing Diameter 4 inches	Temperature (°F) 86°	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter
Casing Volume 54.03 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Micro TPW Turbidimeter	
Well Elevation (TOC) 753.62 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 677.75 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1100	0	21.4	191	2.4	5	0.12	24	5.7	Clear	Clear	None
1105	500	22.2	206	2.6	21	0.13	39	5.9	Clear	Clear	None
1110	500	21.2	197	2.9	61	0.13	40	5.8	Cloudy	Clear	None
1115	500	21.7	185	2.9	75	0.12	44	5.8	Cloudy	Clear	None
1120	500	21.9	180	2.9	81	0.12	46	5.9	Cloudy	Clear	None
1125	500	21.5	179	2.9	83	0.12	43	5.9	Cloudy	Clear	None
1130	500	21.0	178	2.9	89	0.12	41	5.8	Cloudy	Clear	None
1135	500	20.9	178	2.9	95	0.12	33	5.8	Clear	Clear	None
1140	500	20.7	178	2.9	97	0.12	32	5.8	Clear	Clear	None
1145	500	20.8	177	2.9	100	0.12	30	5.8	Clear	Clear	None
1150	Collect Sample										
Total Time (min.) 50	Total Volume Removed 4500	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

N/A

Signature



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OLF-G51

Project

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Project Number

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/19/2022	
72.97 feet		Location (Site) LF3	Begin Time 08:50	
Well Depth (TOC)		Equipment Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory Eurofins	Sample Depth 249
259 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 78°	Meters YSI Pro Plus		
186.03 feet		Serial numbers		
Casing Diameter		Geotech Water Level Meter		
4 inches		Micro TPW Turbidimeter		
Casing Volume	Weather Conditions Sunny	Calibration		
120.92 gallons		Field		
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		5/19/2022		
Well Elevation (TOC)		Ferrous Iron (Fe II) (mg/L)		
753.69 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A		
Groundwater Elevation		Product Observed (yes/no)		
680.72 feet	N/A		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0855	0	20.9	137	2.0	-22	0.20	13	6.5	Clear	Clear	None
0900	625	20.4	287	2.9	-3	0.20	11	6.6	Clear	Clear	None
0905	625	20.5	315	2.8	6	0.20	10	6.7	Clear	Clear	None
0910	625	21.0	318	2.9	19	0.21	8	6.7	Clear	Clear	None
0915	625	21.6	319	2.9	23	0.21	8	6.8	Clear	Clear	None
0920	625	21.9	319	2.9	30	0.21	7	6.8	Clear	Clear	None
0925	625	22.1	319	2.9	35	0.21	6	6.8	Clear	Clear	None
0930	625	22.4	319	2.8	37	0.21	6	6.8	Clear	Clear	None
0935	625	22.1	320	2.8	42	0.21	6	6.8	Clear	Clear	None
0940	Collect Sample										
Total Time (min.) 45	Total Volume Removed 5000	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

N/A

Signature



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OLF-G52

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
58.67		D. Abernathy	5/19/2022
feet		Location (Site)	Begin Time
Well Depth (TOC)		LF3	13:30
377.5	Equipment	Laboratory	Sample Depth
feet		Eurofins	367
Water Column Thickness		Sample Suite	
318.83	Solinst Model 408 DV Pump Solinst Model 464 Controller	See COCs	
feet			
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4		90°	YSI pro plus#2
inches		Geotech Water Level Meter	
Casing Volume	Weather Conditions	Micro TPW Turbidimeter	
207.24		Calibration	Ferrous Iron (Fe II) (mg/L)
gallons		Field	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	5/19/2022	N/A
Well Elevation (TOC)			
723.83			
feet			
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
665.16		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A
feet			

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1330	0	31.9	255	3.9	-174	0.24	58	10.6	Cloudy	White	None
1335	750	29.1	523	1.8	-154	0.34	35	10.5	Cloudy	White	None
1340	750	28.4	509	1.3	-129	0.33	66	10.2	Cloudy	White	None
1345	750	27.5	420	1.1	-91	0.26	83	9.3	Cloudy	White	None
1350	750	27.5	373	1.2	-66	0.24	112	8.2	Cloudy	White	None
1355	750	27.6	353	1.2	-41	0.23	133	7.8	Cloudy	White	None
1400	750	27.5	356	1.2	-29	0.23	141	7.7	Cloudy	White	None
1405	750	27.4	354	1.2	-26	0.24	166	8.1	Cloudy	White	None
1410	750	27.2	351	1.3	-21	0.23	200	8.2	Cloudy	White	None
1415	750	27.5	345	1.2	-19	0.22	195	8.3	Cloudy	White	None
1420	750	27.6	344	1.2	-19	0.22	190	8.3	Cloudy	White	None
1425	750	27.7	344	1.2	-21	0.22	189	8.3	Cloudy	White	None
Total Time (min.) 55	Total Volume Removed 8250	Well pumped dry (yes/no) No				Notes Well is typically low turbidity. Turbidity continually increased during low flow. It decreased a little and slightly stabilized					
QA/QC Samples N/A									Signature 		



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G70

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
58.54 feet	Low Flow	D. Abernathy	5/19/2022
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
400 feet	Solinst Model 464 Controller Solinst Model 408 DV Pump	LF3	12:15
Water Column Thickness		Laboratory	Sample Depth
341.46 feet		TestAmerica	295
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches	88°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
221.95 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	YSI Pro Plus	GeotechWater Level Meter
Well Elevation (TOC)		Micro TPW Turbidimeter	
722.11 feet		Calibration	Ferrous Iron (Fe II) (mg/L)
Groundwater Elevation	Parameter Stabilization	Field	
663.57 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	5/19/2022	N/A
		Product Observed (yes/no)	Depth to product
		N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1215	0	25.2	358	5.1	78	0.23	4	7.5	Clear	Clear	None
1220	750	24.0	358	4.0	84	0.23	6	7.3	Clear	Clear	None
1225	750	23.6	351	2.8	85	0.23	9	7.3	Clear	Clear	None
1230	750	23.8	349	2.5	78	0.23	10	7.3	Clear	Clear	None
1235	750	23.3	349	2.4	69	0.23	12	7.4	Clear	Clear	None
1240	750	23.6	349	2.3	70	0.23	11	7.4	Clear	Clear	None
1245	750	23.8	350	2.2	66	0.23	11	7.5	Clear	Clear	None
1250	750	24.1	350	2.2	63	0.23	11	7.5	Clear	Clear	None
1255	750	24.3	350	2.1	60	0.23	11	7.5	Clear	Clear	None
1300	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	6000		No								
QA/QC Samples									Signature		
DUP 396											



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
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Station Name/Sample ID

OLF-G72

Project

McClellan

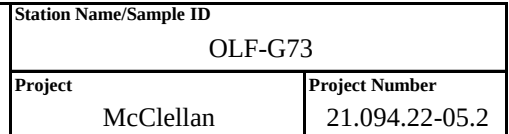
Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) N/A feet	Sample Method FLUTE well purge	Sampler D. Abernathy	Date 5/16/2022
Well Depth (TOC) 245 feet		Location (Site) LF3	Begin Time 12:45
Water Column Thickness N/A feet	Equipment Multi-level Port Well	Laboratory Eurofins	Sample Depth Sampled from Ports
		Sample Suite See COCs	
Casing Diameter N/A inches	Temperature (°F) 83°	Meters YSI Pro Plus	Serial numbers
Casing Volume N/A gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC) 747.03 feet		5/16/2022	N/A
Groundwater Elevation N/A feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	14:15	23.3	1044	0.8	-93	0.69	3	6.6	Clear	Clear	None
Port 2	14:19	21.7	958	0.8	-19	0.62	5	6.2	Clear	Clear	None
Port 3	14:23	20.0	618	1.2	-85	0.40	8	6.9	Clear	Clear	None
Port 4	14:27	19.6	530	0.8	-64	0.34	4	6.4	Clear	Clear	None
Port 5	14:31	20.5	440	0.1	-100	0.29	2	7.4	Clear	Clear	None
Port 6	14:35	20.7	449	0.1	-89	0.29	2	7.2	Clear	Clear	None
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
N/A	N/A		Yes			Ports 1,2,4, and 5 had a fizzy reaction to the HCL VOA's					
QA/QC Samples									Signature		
MS/MSD on OLF-G72 Port 1											

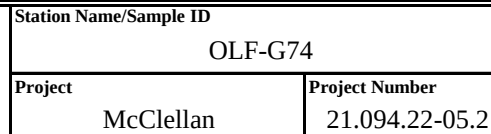


Groundwater Depth (TOC)	Sample Method	Sampler	Date
N/A		D. Abernathy	5/16/2022
Well Depth (TOC)		Location (Site)	Begin Time
270		LF3	10:40
Water Column Thickness	Equipment Multi-level Port Well	Laboratory	Sample Depth
N/A		Eurofins	Sampled from Ports
		Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
N/A	79°	YSI Pro Plus	
Casing Volume	Weather Conditions	Calibration	Ferrous Iron (Fe II) (mg/L)
N/A		Field	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4			
Well Elevation (TOC)	Sunny	5/16/2022	N/A
749.26			
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
N/A	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	12:11	20.5	551	0.9	-61	0.36	3	6.3	Clear	Clear	None
Port 2	12:15	20.4	473	1.7	7	0.31	3	6.4	Clear	Clear	None
Port 3	12:19	20.0	512	1.6	-92	0.33	3	7.0	Clear	Clear	None
Port 4	12:23	19.8	441	0.8	-129	0.29	4	7.4	Clear	Clear	None
Port 5	12:27	19.7	425	1.6	-118	0.28	2	7.3	Clear	Clear	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)			Notes						
N/A	N/A	Yes			N/A						

Signature

Page 1 of 1



Groundwater Depth (TOC)	Sample Method FLUTe well purge	Sampler D. Abernathy	Date 5/16/2022
Well Depth (TOC)		Location (Site) LF3	Begin Time 08:00
Water Column Thickness		Laboratory Eurofins	Sample Depth Sampled from Ports
		Sample Suite See COCs	
Casing Diameter	Temperature (°F) 70°	Meters YSI Pro Plus	Serial numbers
Casing Volume	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC)		5/16/2022	N/A
Groundwater Elevation	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	9:35	19.9	46	1.5	213	0.03	2	5.1	Clear	Clear	None
Port 2	9:37	18.3	317	1.4	165	0.21	2	5.6	Clear	Clear	None
Port 3	9:39	19.8	429	1.0	159	0.28	2	7.4	Clear	Clear	None
Port 4	9:41	20.1	436	1.3	-16	0.28	4	7.5	Clear	Clear	None
Port 5	9:43	21.5	414	0.7	-52	0.27	9	8.0	Clear	Clear	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)			Notes						
N/A	N/A	Yes			N/A						

Signature 



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
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Station Name/Sample ID

OLF-G75 Screen 3

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
66.58 feet		D. Abernathy	5/20/2022
Well Depth (TOC)		Location (Site)	Begin Time
300.5 feet		LF3	09:55
Water Column Thickness	Equipment	Laboratory	Sample Depth
233.92 feet		Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Eurofins Sample Suite See COCs
Casing Diameter	Temperature (°F)	Meters	Serial numbers
2 inches		83°	YSI Pro Plus #2 Geotech Water Level Meter
Casing Volume	Weather Conditions	Micro TPW Turbidimeter	
37.43 gallons		Calibration	Ferrous Iron (Fe II) (mg/L)
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Field	
Well Elevation (TOC)			
749.89 feet	Overcast	5/20/2022	N/A
Groundwater Elevation		Parameter Stabilization	Product Observed (yes/no)
683.31 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1005	6000	22.5	443	1.4	81	0.29	59	7.4	Cloudy	White	None
1010	750	22.9	447	1.3	79	0.29	60	7.4	Cloudy	White	None
1015	750	23.6	450	1.2	76	0.29	62	7.4	Cloudy	White	None
1020	750	23.5	452	1.1	76	0.29	122	7.4	Cloudy	White	None
1025	750	24.2	453	0.9	73	0.30	182	7.4	Cloudy	White	None
1030	750	25.1	454	0.9	70	0.30	145	7.4	Cloudy	White	None
1035	750	25.3	454	0.8	68	0.30	122	7.4	Cloudy	White	None
1040	750	25.8	455	0.8	66	0.30	55	7.4	Cloudy	White	None
1045	750	26.7	456	0.8	64	0.30	50	7.4	Cloudy	White	None
1050	750	26.9	457	0.8	62	0.30	48	7.4	Cloudy	White	None
1055	750	27.0	458	0.8	62	0.30	46	7.4	Cloudy	White	None

1100	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	13500	No		6000 ml purged from tubing							

QA/QC Samples	Signature



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283 Rucker Street
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Station Name/Sample ID

OLF-G75 Screen 5

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date	
66.58 feet		Low Flow	D. Abernathy	5/20/2022
Well Depth (TOC)			Location (Site)	Begin Time
300.5 feet			LF3	09:00
Water Column Thickness	Equipment	Laboratory	Sample Depth	
233.92 feet		Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Eurofins	250
		Sample Suite		
		See COCs		
Casing Diameter	Temperature (°F)	Meters	Serial numbers	
2 inches		78°	YSI Pro Plus #2	
Casing Volume	Weather Conditions	Geotech Water Level Meter		
37.43 gallons		Micro TPW Turbidimeter		
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Calibration	Ferrous Iron (Fe II) (mg/L)	
		Field		
Well Elevation (TOC)	Sunny	5/20/2022	N/A	
749.89 feet				
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product	
683.31 feet		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0900	0	27.2	366	6.3	147	0.23	62	6.9	Cloudy	White	None
0905	750	21.2	381	2.7	147	0.25	38	6.9	Cloudy	Clear	None
0910	750	21.0	449	1.6	124	0.23	32	7.2	Clear	Clear	None
0915	750	21.2	451	1.4	117	0.29	30	7.2	Clear	Clear	None
0920	750	21.9	451	1.3	105	0.29	20	7.3	Clear	Clear	None
0925	750	22.1	453	1.1	98	0.29	12	7.4	Clear	Clear	None
0930	750	22.1	454	1.1	95	0.30	8	7.3	Clear	Clear	None
0935	750	22.0	454	1.1	95	0.30	8	7.3	Clear	Clear	None
0940	750	21.9	454	1.1	92	0.29	7	7.3	Clear	Clear	None
0945	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	6000		No								
QA/QC Samples									Signature 		



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G77

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
56.36 feet	Low Flow	D. Abernathy	5/20/2022
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
84.5 feet	Geotech Bladder Pump Geotech Geocontrol PRO	LF3	13:45
Water Column Thickness		Laboratory	Sample Depth
28.14 feet		Eurofins	79
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches	89°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
18.29 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	YSI Pro Plus#2	Geotech Water Level Meter
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
747.04 feet		Field	
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
690.68 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1350	0	27.1	254	6.5	164	0.17	17	5.8	Clear	Clear	None
1355	500	23.4	285	7.1	147	0.18	22	5.5	Clear	Clear	None
1400	500	21.7	291	6.0	128	0.19	20	5.4	Clear	Clear	None
1405	500	21.6	296	5.5	119	0.19	19	5.5	Clear	Clear	None
1410	500	21.2	296	5.5	114	0.19	17	5.6	Clear	Clear	None
1415	500	21.1	297	5.2	104	0.19	15	5.6	Clear	Clear	None
1420	500	21.1	298	5.1	96	0.19	13	5.6	Clear	Clear	None
1425	500	21.1	299	5.1	88	0.19	13	5.6	Clear	Clear	None
1430	500	21.4	299	4.9	81	0.19	12	5.6	Clear	Clear	None
1435	500	21.6	298	4.8	80	0.20	12	5.6	Clear	Clear	None
1440	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	4500		No								
QA/QC Samples									Signature 		



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

OLF-G78

Project

McClellan

Project Number

21.094.22-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 63.36 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/20/2022
Well Depth (TOC) 85 feet		Location (Site) LF3	Begin Time 15:05
Water Column Thickness 21.64 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 80
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 14.07 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 90°	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Meter
Well Elevation (TOC) 748.99 feet	Weather Conditions Sunny	Micro TPW Turbidimeter	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 685.63 feet		Calibration Field 5/20/2022	
	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1510	0	22.9	96	4.0	123	0.06	8	5.5	Clear	Clear	None
1515	500	22.2	107	1.4	149	0.07	8	5.1	Clear	Clear	None
1520	500	21.9	114	1.0	143	0.07	8	5.2	Clear	Clear	None
1525	500	21.6	114	0.8	140	0.07	8	5.2	Clear	Clear	None
1530	500	21.7	114	0.9	144	0.07	8	5.3	Clear	Clear	None
1535	500	21.3	112	1.0	145	0.07	8	5.3	Clear	Clear	None
1540	500	21.0	110	1.0	147	0.07	8	5.3	Clear	Clear	None
1545	500	21.2	110	1.1	150	0.07	8	5.3	Clear	Clear	None
1550	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	3500		No								
QA/QC Samples									Signature 		

Appendix B
Chain of Custody

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

COC# 6475

Laboratory TestAmerica
 Lab Contact Jon Lawhon; Amy Ragnaldsen
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2.500
 Lab contract: _____

Cooler ID
 Page

1 of 1
 1 of 2
 Analysis

Samplers Signature

Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD	Date Collected	Sample Time	SW8260B - VOC 3-40 mL vials, HCl	RSK-175-M,E,E 3-40 mL vials, HCl	SW9060A-TOC 3-40 mL amber vials, H2SO4	SW8260B - VOC TB 2-40 mL vials, HCl
OLF-G72 Port 1	NS	MW	Water	Grab	X	11/11/21	1000	X	X		
OLF-G72 Port 2	NS	MW	Water	Grab		11/11/21	1030	X	X		
OLF-G72 Port 3	NS	MW	Water	Grab		11/11/21	1050	X	X		
OLF-G72 Port 4	NS	MW	Water	Grab		11/11/21	1115	X	X		
OLF-G72 Port 5	NS	MW	Water	Grab		11/11/21	1135	X	X		
OLF-G72 Port 6	NS	MW	Water	Grab		11/11/21	1200	X	X		
OLF-G71 Port 1	NS	MW	Water	Grab		11/10/21	1450	X			
OLF-G71 Port 2	NS	MW	Water	Grab		11/10/21	1505	X			
OLF-G71 Port 3	NS	MW	Water	Grab		11/10/21	1520	X			
OLF-G71 Port 4	NS	MW	Water	Grab		11/10/21	1540	X			
OLF-G71 Port 5	NS	MW	Water	Grab		11/10/21	1550	X			
OLF-G74 Port 1	NS	MW	Water	Grab		11/10/21	1100	X			
OLF-G74 Port 2	NS	MW	Water	Grab		11/10/21	1120	X			
OLF-G74 Port 3	NS	MW	Water	Grab		11/10/21	1135	X			
OLF-G74 Port 4	NS	MW	Water	Grab		11/10/21	1155	X			
OLF-G74 Port 5	NS	MW	Water	Grab		11/10/21	1220	X			
OLF-G73 Port 1	NS	MW	Water	Grab		11/12/21	1010	X	X		
OLF-G73 Port 2	NS	MW	Water	Grab		11/12/21	1030	X	X		

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water

Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water

Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

COMMENTS:

See Task Order 093 for required list of VOCs and metals.

Double the number of bottles for MS/MSD

Relinquished by (Signature):

Date/Time:

11/12/21 16:00

Received by (Signature):

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

COC# 6475 cooler 1 of 1

Cooler ID 6475
Page 2 of 2
Analysis

2	23	23	23	23	23	23	23	23

[illegible]

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

Double the number of bottles for MS/MSD

See Task Order 093 for required list of VOCs and metals.

Date/Time:

Received by (Signature):

11/12/21 16:00

FedEX

Relinquished by (Signature):

Date/Time:

Received by (Signature):

Dup 384 - OLF-G74 Port 1
Dup 385 - OLF-G72 Port 3

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory TestAmerica
Lab Contact Jon Lawhon; Amy Ragnaldsen
MES Contact Betty Van Pelt
MES Phone 801-699-1246
Project Parcel 80(6), Landfill 3
Task # 21.094.22-05.2.500
Lab contract:

Cooler ID 6457

Page 1 of 1

Analysis

[illegible]

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water

Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water

Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

Double the number of bottles for MS/MSD

COMMENTS:

See Task Order 093 for required list of VOCs and metals.

Relinquished by (Signature):

Date/Time:

Received by (Signature):

11.19.21 1430

Fedex

Relinquished by (Signature):

Date/Time:

Received by (Signature):

S/MSD

Dup 381 on OLF-G49
Dup 382 on OLF-G31

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory TestAmerica
 Lab Contact Jon Lawhon; Amy Ragnaldsen
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2.500
 Lab contract: _____

Cooler ID 6439
 Page 1 of 2
 Analysis

Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD	Date Collected	Sample Time	Analysis			
								SW8260B - VOC 3-40 mL vials, HCl	RSK-175 - M,E,E 3-40 mL vials, HCl	SW9060A - TOC 3-40 mL amber vials, H2SO4	SW8260B - VOC TB 2-40 mL vials, HCl
OLF - G48	NS	MW	Water	BP		11-20-2021	1550	X			
OLF - G77	NS	MW	Water	BP		11-20-2021	1005	X	X		
OLF - G75 S5	NS	MW	Water	BP		11-19-2021	1110	X			
OLF - G75 S3	NS	MW	Water	BP		11-19-2021	1240	X			
OLF - G18	NS	MW	Water	BP		11-22-2021	1001	X			
OLF - G19	NS	MW	Water	BP		11-22-2021	0846	X			
OLF - G47	NS	MW	Water	BP		11-20-2021	1445	X			
OLF - G78	NS	MW	Water	BP		11-20-2021	1125	X			
OLF - G21	NS	MW	Water	BP		11-22-2021	1106	X			
OLF - ~~G37~~ G36 ^{pp}	NS	MW	Water	BP		11-22-2021	0850	X			
OLF - G24	NS	MW	Water	BP		11-21-2021	1045	X			
OLF - G35	NS	MW	Water	BP		11-21-2021	0930	X			
OLF - G22	NS	MW	Water	BP		11-22-2021	1140	X			
OLF - G20	NS	MW	Water	BP		11-19-2021	1425	X			
OLF - G23	NS	MW	Water	BP		11-21-2021	1330	X	X		
OLF - G07	NS	MW	Water	BP	X	11-19-2021	1530	X			
OLF - G12	NS	MW	Water	BP		11-22-2021	1010	X	X		
PPMP - 229 - GP12	NS	MW	Water	BP		11-19-2021	0905	X			

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water

Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water

Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

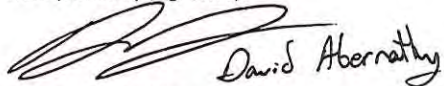
White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

Double the number of bottles for MS/MSD

COMMENTS:

See Task Order 093 for required list of VOCs and metals.

Relinquished by (Signature):

 David Abernathy

Date/Time:

11-22-2021/1600

Received by (Signature):

 Fedex

Relinquished by (Signature):

Date/Time:

Received by (Signature):

Dup 383 on OLF-G20

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory	TestAmerica
Lab Contact	Jon Lawhon; Amy Ragnaldsen
MES Contact	Betty Van Pelt
MES Phone	801-699-1246
Project	Parcel 80(6), Landfill 3
Task #	21.094.22-05.2.500
Lab contract:	

Cooler ID 6439
Page 2 of 2
Analysis

Samplers Signature

[illegible]

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump
White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt Double the number of bottles for MS/MSD

COMMENTS:

See Task Order 093 for required list of VOCs and metals.

Double the number of bottles for MS/MSD

Relinquished by (Signature):

Date/Time:

Received by (Signature):

Relinquished by (Signature):

Date/Time:

Received by (Signature):

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins
 Lab Contact Noel Savoie and Beth Daughtry
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2
 Lab contract: 21.094.22-05.2.500

COC Number 6662
 Cooler ID 1 of 2
 Page 1 of 1

Analysis

Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD	Date Collected	Sample Time	Analysis			
								SW8260D - VOC 3-40 mL vials, HCl	RSK-175 -M,E,E 3-40 mL vials, HCl	SW9060A -TOC 3-40 mL amber vials, H2SO4	SW8260D - VOC TB 2-40 mL vials, HCl
OLF-G71 Port 1	NS	MW	Water	Grab		5/16/2022	1630	X			
OLF-G71 Port 2	NS	MW	Water	Grab		5/16/2022	1633	X			
OLF-G71 Port 3	NS	MW	Water	Grab		5/16/2022	1636	X			
OLF-G71 Port 4	NS	MW	Water	Grab		5/16/2022	1639	X			
OLF-G71 Port 5	NS	MW	Water	Grab		5/16/2022	1642	X			
OLF-G72 Port 1	NS	MW	Water	Grab	X	5/16/2022	1415	X	X		
OLF-G72 Port 2	NS	MW	Water	Grab		5/16/2022	1419	X	X		
OLF-G72 Port 3	NS	MW	Water	Grab		5/16/2022	1423	X	X		
OLF-G72 Port 4	NS	MW	Water	Grab		5/16/2022	1427	X	X		
OLF-G72 Port 5	NS	MW	Water	Grab		5/16/2022	1431	X	X		
OLF-G72 Port 6	NS	MW	Water	Grab		5/16/2022	1435	X	X		
OLF-G73 Port 1	NS	MW	Water	Grab		5/16/2022	1211	X	X		
OLF-G73 Port 2	NS	MW	Water	Grab		5/16/2022	1215	X	X		
OLF-G73 Port 3	NS	MW	Water	Grab		5/16/2022	1219	X	X		
OLF-G73 Port 4	NS	MW	Water	Grab		5/16/2022	1223	X	X		
OLF-G73 Port 5	NS	MW	Water	Grab		5/16/2022	1227	X	X		
OLF-G19	NS	MW	Water	BP		5/18/2022	1233	X			
DUP399	FD	MW	Water	BP		5/16/2022	N/A	X	X		
TB598	TB	TB	Water	Grab		5/19/2022	1000				X

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water

Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water

Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

Double the number of bottles for MS/MSD

COMMENTS:

See Task Order 093 for required list of VOCs and metals.

Relinquished by (Signature):

Jan Tully

Date/Time:

5/19/22 1600

Received by (Signature):

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

Dup # 399 on
OLF-G73 Port 4

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins
 Lab Contact Noel Savoie and Beth Daughtry
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2
 Lab contract: 21.094.22-05.2.500

COC Number 6631
 Cooler ID 2 of 2
 Page 1 of 2

						Date Collected	Sample Time	Analysis			
Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD			SW8260D - VOC 3- 40 mL vials, HCl	RSK-175 -M,E,E 3- 40 mL vials, HCl	SW9060A -TOC 3 - 40 mL amber vials, H2SO4	SW8260D - VOC TB 2- 40 mL vials, HCl
OLF-G74 Port 1	NS	MW	Water	Grab		5/16/2022	0935	X			
OLF-G74 Port 2	NS	MW	Water	Grab		5/16/2022	0937	X			
OLF-G74 Port 3	NS	MW	Water	Grab		5/16/2022	0939	X			
OLF-G74 Port 4	NS	MW	Water	Grab		5/16/2022	0941	X			
OLF-G74 Port 5	NS	MW	Water	Grab		5/16/2022	0943	X			
OLF-G21	NS	MW	Water	BP		5/18/2022	1450	X			
OLF-G36	NS	MW	Water	BP		5/18/2022	1010	X			
OLF-G24	NS	MW	Water	BP		5/17/2022	1225	X			
OLF-G47	NS	MW	Water	BP		5/17/2022	1030	X			
OLF-G48	NS	MW	Water	BP		5/17/2022	0920	X			
OLF-G12	NS	MW	Water	BP		5/18/2022	1105	X	X		
OLF-G22	NS	MW	Water	BP		5/18/2022	0855	X			
OLF-G18	NS	MW	Water	BP		5/18/2022	1345	X			
OLF-G23	NS	MW	Water	BP		5/17/2022	1440	X	X		
OLF-G35	NS	MW	Water	BP		5/17/2022	1330	X			
OLF-G31	NS	MW	Water	BP		5/18/2022	1715	X			
OLF-G32	NS	MW	Water	BP		5/18/2022	1615	X			
TB599	TB	TB	Water	Grab		5/19/2022	1020				X

NOTES:
 QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
 Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
 Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt
COMMENTS: See Task Order 093 for required list of VOCs and metals. Double the number of bottles for MS/MSD

Relinquished by (Signature):

Green Tulley

Date/Time:

5/19/22 1600

Received by (Signature):

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

COC Number	6631		
Cooler ID	2	of	2
Page	2	of	2

Laboratory	Eurofins
Lab Contact	Noel Savoie and Beth Daughtry
MES Contact	Betty Van Pelt
MES Phone	801-699-1246
Project	Parcel 80(6), Landfill 3
Task #	21.094.22-05.2
Lab contract:	21.094.22-05.2.500

Samplers Signature

Green Sully

[illegible]

Double the number of bottles for MS/MSD

Relinquished by (Signature):

June Tully

Date/Time:

5/19/22 1600

Received by (Signature):

FedEX

Relinquished by (Signature):

Date/Time:

Received by (Signature):

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins
 Lab Contact Noel Savoie and Beth Daughtry
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2
 Lab contract: 21.094.22-05.2.500

COC Number 6625
 Cooler ID 1 of 1
 Page 1 of 1

						Date Collected	Sample Time	Analysis			
Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD			SW8260D - VOC 3- 40 mL vials, HCl	RSK-175 -M,E,E 3- 40 mL vials, HCl	SW9060A -TOC 3 - 40 mL amber vials, H2SO4	SW8260D - VOC TB 2- 40 mL vials, HCl
OLF-G07	NS	MW	Water	BP	X	5/20/2022	1315	X			
OLF-G20	NS	MW	Water	BP		5/20/2022	1210	X			
OLF-G26	NS	MW	Water	BP		5/19/2022	0810	X			
OLF-G42	NS	MW	Water	BP	X	5/20/2022	0815	X			
OLF-G43	NS	MW	Water	BP		5/19/2022	1605	X			
OLF-G49	NS	MW	Water	BP		5/19/2022	1045	X			
OLF-G50	NS	MW	Water	BP		5/19/2022	1150	X			
OLF-G51	NS	MW	Water	BP		5/19/2022	0940	X			
OLF-G52	NS	MW	Water	BP		5/19/2022	1445	X			
OLF-G70	NS	MW	Water	BP		5/19/2022	1300	X			
OLF-G75 Screen 3	NS	MW	Water	BP		5/20/2022	1100	X			
OLF-G75 Screen 5	NS	MW	Water	BP		5/20/2022	0945	X			
OLF-G77	NS	MW	Water	BP		5/20/2022	1440	X	X		
OLF-G78	NS	MW	Water	BP		5/20/2022	1550	X			
PPMP-229-G12	NS	MW	Water	BP		5/19/2022	1715	X			
DUP396	FD	MW	Water	BP		5/19/2022	N/A	X			
DUP397	FD	MW	Water	BP		5/19/2022	N/A	X			
EB143	EB	EB	Water	Grab		5/23/2022	1045	X	X		
MB112	MB	MB	Water	Grab		5/23/2022	1030	X	X		
TB600	TB	TB	Water	Grab		5/23/2022	1100				X

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water

Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water

Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

COMMENTS: See Task Order 093 for required list of VOCs and metals.

Double the number of bottles for MS/MSD

Relinquished by (Signature):

Date/Time: 5/23/2022
1500

Received by (Signature):

Fedex

Relinquished by (Signature):

Date/Time:

Received by (Signature):

DUP396 - OLF-G70

DUP397 - OLF-G26

Appendix C
Laboratory Reports and Laboratory
Report Data Reviews

Appendix C
Laboratory Report Data Reviews

Laboratory Report Data Review e-Checklist				
Laboratory Report ID:				
Laboratory Name:	TALPEN	Date Sampled:	11/10-12/21	
Project Name:	McClellan	Report Package Date:	12/6/2021	
SDG:	680-207493-1			
Reviewer Name:	B. Van Pelt			
Parameters:	ORG,VOC			
Method IDs:	RSK-175, SW8260D	Rejected Results?	0	
Matrix:	Ground water, Water			
		Yes	No	N/A
		Comment		
Laboratory Method Blanks and Field Blanks				
1 Were appropriate types of laboratory method blanks analyzed?		X		
2 Were the laboratory method blanks analyzed at the appropriate frequency?		X		
3 Was the method blank free of contamination (i.e., less than the MDL or RL)?			X	See Table 1
4 Did the method blank contamination affect the final results? If so, note on page 2.		X		See Table 1
5 Was a trip blank required and submitted with the samples?		X		
6 Was the trip blank free of contamination (i.e., less than the MDL or RL)?		X		
7 Did the trip blank contamination affect the final results? If so, note on page 2.			X	
8 Was an equipment blank required and submitted with the samples?			X	
9 Was the equipment blank free of contamination (i.e., less than the MDL or RL)?				X
10 Did the equipment blank contamination affect the final results? If so, note on page 2.				X
11 Were Continuous Calibration Blanks (CCBs) analyzed?				X
12 Were CCBs within the control window?				X
13 Did the CCB contamination affect the final results? If so, note on page 2.				X
Surrogates				
1 Were surrogates added prior to extraction for all appropriate methods?		X		
2 Were surrogate percent recoveries within laboratory control limits?		X		
3 Did the surrogate percent recoveries affect the final results? If so, note on page 2.			X	
Laboratory Control Samples				
1 Were Laboratory Control Sample (LCS) analyzed at a frequency of one per batch?		X		
2 Were LCSs spiked with appropriate list of target compounds?		X		
3 Were LCS percent recoveries within laboratory control limits?			X	
4 Did the LCS percent recoveries affect the final results? If so, note on page 2.		X		See Table 1
5 If performed, was LCS Duplicate data provided?		X		
6 Were the LCS/LCSD RPD values within laboratory control limits?			X	See Table 1
Matrix Spikes				
1 Were MS/MSDs analyzed at a frequency of one per batch?		X		
Sample used/methods:	OLF-G72-PORT1, OLF-G74-PORT5			
2 Were MS/MSDs spiked with appropriate list of target compounds?		X		
3 Were MS/MSD percent recoveries within laboratory control limits?			X	
4 Did the MS/MSD percent recoveries affect the final results? If yes, narrate.		X		See Table 1
5 Were the MS/MSD RPD values within laboratory control limits?		X		
6 Did the MS/MSD RPDs affect the final results? If so, note on page 2.			X	
Field and Laboratory Duplicates				
1 Was a field duplicate submitted with this SDG?		X		
Field Duplicate ID:	OLF-G72-PORT3 (DUP385), OLF-G74-PORT1 (DUP384)			
2 Were the field sample RPD values less than review criteria?				X
3 Did the field duplicate RPD results affect the final results? If so, narrate.				
4 Was a laboratory method duplicate (MD) performed?			X	
MD ID:				
5 Did the field duplicate RPD results affect the final results?			X	
7 Did the MD results affect the final results? If so, note on page 2.				X

Laboratory Report ID:					
Laboratory Name:	TALPEN	Date Sampled:	11/10-12/21		
Project Name:	McClellan	Report Package Date:	12/6/2021		
SDG:	680-207493-1				
Reviewer Name:	B. Van Pelt				
Parameters:	ORG,VOC				
Method IDs:	RSK-175, SW8260D	Rejected Results?	0		
Matrix:	Ground water, Water				
		Yes	No	N/A	Comment
Other Laboratory QC Data					
1 Were internal standard data reported? (organics and inorganics by 6020)		X			
2 Were IS area counts and retention times within method required limits?		X			
3 Were data associated with manual integration flagged on the test reports?				X	
4 Did dual-column confirmation results (PCBs) meet method-required QC limits of <25% difference?				X	
5 Was an interference check sample analyzed and were percent recoveries within QC limits?				X	
6 If serial dilutions were analyzed using a project sample, were the percent differences within QC limits?				X	
7 Was a CRDL check sample analyzed and were the percent recoveries within QC limits?				X	
8 If post-digestion spikes (PDS) were performed for metals, were percent recoveries with QC limits?				X	
9 If ICV/CCV was stated in the case narrative, did the ICV/CCV affect the project samples?		X			See Table 1
10 Were the total metal results greater than the dissolved metal results?				X	
11 Holding times met?			X		See Table 1
Electronic Data Deliverable					
1 Was an EDD provided with the deliverable?		X			
2 Was the electronic data the same as the hardcopy data?		X			

Comment No.	Description (data usability; note any estimated and/or rejected data):
1	MB for the batch assoc with OLF-G72 all ports and OLF-G73 all ports, DUP385 and trip blank and MS and MSD on OLF-G72-Port1 - 1,2,3-trichlorobenzene 0.966 J µg/L.
2	Holding times - Reanalysis of samples out of hold. Original run reported. OLF-G72 Port1 and MS/MSD, OLF-G72 Port2, OLF-G72 Port3, OLF-G72 Port4, OLF-G72 Port5, OLF-G72 Port6, and DUP385. Since original sample reported; no quals
3	
4	
5	
6	

*Table 1 - Normal and Field Duplicate Data Impacted by QC outliers.

Table 1 - QC Outlier Summary 680-207493

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G72-PORT1	11-Nov-21	MSD	Chloroethane	117		J	CCV and LCS low
OLF-G72-PORT1	11-Nov-21	MSD	Methane	-144			exceeds calibration range; 4X rule; no qual
OLF-G72-PORT1	11-Nov-21	MS	Chloroethane	96		J	CCV and LCS low
OLF-G72-PORT1	11-Nov-21	MS	Methane	-100			exceeds calibration range; 4X rule; no qual
OLF-G72-PORT1	11-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS and MS and MSD,ND; no qual
OLF-G72-PORT1	11-Nov-21	NS	Bromochloromethane	1	U		High LCS and MS and MSD,ND; no qual
OLF-G72-PORT1	11-Nov-21	NS	Chloroethane	8.1		J	CCV and LCS low and MS and MSD low
OLF-G72-PORT1	11-Nov-21	NS	Chloromethane	1	U		MS high, ND, no qual
OLF-G72-PORT1	11-Nov-21	NS	Dichlorodifluoromethane	1	U		MS high, ND, no qual
OLF-G72-PORT1	11-Nov-21	NS	Trichlorofluoromethane	1	U		MS high, ND, no qual
OLF-G72-PORT2	11-Nov-21	NS	1,2,3-Trichlorobenzene	0.97	J	UB	MB hit 0.966 µg/L
OLF-G72-PORT2	11-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G72-PORT2	11-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G72-PORT2	11-Nov-21	NS	Chloroethane	3.6		J	CCV and LCS low
OLF-G72-PORT2	11-Nov-21	NS	Chloroethane	2.5		J	Holding time exceeded on this dilution; initial ok
OLF-G72-PORT2	11-Nov-21	NS	Trichloroethene	1	U	UJ	Holding time exceeded on this dilution; initial ok
OLF-G72-PORT3	11-Nov-21	FD	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G72-PORT3	11-Nov-21	FD	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G72-PORT3	11-Nov-21	FD	Chloroethane	3.1		J	CCV and LCS low
OLF-G72-PORT3	11-Nov-21	FD	Chloroethane	2.1		J	Holding time exceeded on dilution which was not reported; initial ok
OLF-G72-PORT3	11-Nov-21	FD	Trichloroethene	2		J	FD RPD outlier. No qual.
OLF-G72-PORT3	11-Nov-21	NS	1,2,3-Trichlorobenzene	0.47	J	UB	MB hit 0.966 µg/L
OLF-G72-PORT3	11-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G72-PORT3	11-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G72-PORT3	11-Nov-21	NS	Chloroethane	2.1		J	CCV and LCS low
OLF-G72-PORT3	11-Nov-21	NS	Chloroethane	1.4		J	Holding time exceeded on this dilution; initial ok
OLF-G72-PORT3	11-Nov-21	NS	cis-1,2-Dichloroethene	0.3	J	J	FD RPD outlier. Results not 5X > RL, no qual.
OLF-G72-PORT3	11-Nov-21	NS	Trichloroethene	0.72	J		Holding time exceeded on dilution which was not reported; initial ok. FD RPD outlier. Results not 5X > RL, no qual.
OLF-G72-PORT4	11-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual

Table 1 - QC Outlier Summary 680-207493

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G72-PORT4	11-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G72-PORT4	11-Nov-21	NS	Chloroethane	1.7		J	CCV and LCS low
OLF-G72-PORT4	11-Nov-21	NS	Chloroethane	1.4		J	Holding time exceeded on this dilution; initial ok
OLF-G72-PORT5	11-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G72-PORT5	11-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G72-PORT5	11-Nov-21	NS	Chloroethane	1	U	UJ	CCV and LCS low
OLF-G72-PORT5	11-Nov-21	NS	Trichloroethene	7.8		J	Holding time exceeded on this dilution; initial ok
OLF-G72-PORT6	11-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G72-PORT6	11-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G72-PORT6	11-Nov-21	NS	Chloroethane	1	U	UJ	CCV and LCS low
OLF-G72-PORT6	11-Nov-21	NS	Trichloroethene	8.3		J	Holding time exceeded on this dilution; initial ok
OLF-G73-PORT1	12-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G73-PORT1	12-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G73-PORT2	12-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G73-PORT2	12-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G73-PORT3	12-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G73-PORT3	12-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G73-PORT4	12-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G73-PORT4	12-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G73-PORT4	12-Nov-21	NS	Chloroethane	1	U	UJ	CCV and LCS low
OLF-G73-PORT5	12-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G73-PORT5	12-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G73-PORT5	12-Nov-21	NS	Chloroethane	1	U	UJ	CCV and LCS low
OLF-G74-PORT1	10-Nov-21	NS	Trichloroethene	1.8			FD RPD outlier. No qual.
OLF-G74-PORT5	10-Nov-21	NS	1,2-Dibromo-3-Chloropropane	5	U		High LCS; ND; no qual
OLF-G74-PORT5	10-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
OLF-G74-PORT5	10-Nov-21	NS	Acrylonitrile	10	U		High LCS; ND; no qual
OLF-G74-PORT5	10-Nov-21	NS	Bromochloromethane	1	U		High LCS; ND; no qual
OLF-G74-PORT5	10-Nov-21	NS	Chloromethane	1	U		High LCS; ND; no qual
OLF-G74-PORT5	10-Nov-21	NS	Dichlorodifluoromethane	1	U		High LCS; ND; no qual

Table 1 - QC Outlier Summary 680-207493

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
TRIP BLANK	12-Nov-21	TB	4-Methyl-2-Pentanone (MIBK)	25	U		High LCS; ND; no qual
TRIP BLANK	12-Nov-21	TB	Bromochloromethane	1	U		High LCS; ND; no qual
TRIP BLANK	12-Nov-21	TB	Chloroethane	1	U	UJ	CCV and LCS low

Notes:

CCV - Continuing Calibration Verification
 FD - Field Duplicate
 LCS - Laboratory Control Sample
 LCSD - Laboratory Control Sample Duplicate
 MS - Matrix Spike
 MSD - Matrix Spike Duplicate

ND - Not detected
 NS - Normal Sample
 QC - Quality control
 RPD - Relative percent difference
 TB - Trip Blank

Flag:

J - Data is estimated. Result is between the reporting limit and the method detection limit.
 U - Not detected

Validation Flag:

J - Result estimated due to a QC outlier.
 UB - Analyte considered not detected based on an associated blank detection.
 UJ - Reporting limit estimated based on QC outliers.

Laboratory Report Data Review e-Checklist				
Laboratory Report ID:				
Laboratory Name:	TALPEN	Date Sampled	11/10-12/21	
Project Name:	McClellan	Date Reported	12/7/2021	
SDG:	680-207821-1			
Reviewer Name:	B. Van Pelt			
Parameters:	VOC			
Method IDs:	SW8260B	Rejected Results?	0	
Matrix:	Ground water, Water			
		Yes	No	N/A
				Comment
Laboratory Method Blanks and Field Blanks				
1	Were appropriate types of laboratory method blanks analyzed?	X		
2	Were the laboratory method blanks analyzed at the appropriate frequency?	X		
3	Was the method blank free of contamination (i.e., less than the MDL or RL)?		X	See Table 1
4	Did the method blank contamination affect the final results? If so, note on page 2.	X		See Table 1
5	Was a trip blank required and submitted with the samples?	X		
6	Was the trip blank free of contamination (i.e., less than the MDL or RL)?	X		
7	Did the trip blank contamination affect the final results? If so, note on page 2.		X	
8	Was an equipment blank required and submitted with the samples?		X	
9	Was the equipment blank free of contamination (i.e., less than the MDL or RL)?			X
10	Did the equipment blank contamination affect the final results? If so, note on page 2.			X
11	Were Continuous Calibration Blanks (CCBs) analyzed?			X
12	Were CCBs within the control window?			X
13	Did the CCB contamination affect the final results? If so, note on page 2.			X
Surrogates				
1	Were surrogates added prior to extraction for all appropriate methods?	X		
2	Were surrogate percent recoveries within laboratory control limits?	X		
3	Did the surrogate percent recoveries affect the final results? If so, note on page 2.		X	
Laboratory Control Samples				
1	Were Laboratory Control Sample (LCS) analyzed at a frequency of one per batch?	X		
2	Were LCSs spiked with appropriate list of target compounds?	X		
3	Were LCS percent recoveries within laboratory control limits?		X	
4	Did the LCS percent recoveries affect the final results? If so, note on page 2.	X		See Table 1
5	If performed, was LCS Duplicate data provided?	X		
6	Were the LCS/LCSD RPD values within laboratory control limits?		X	See Table 1
Matrix Spikes				
1	Were MS/MSDs analyzed at a frequency of one per batch?	X		
	Sample used/methods: OLF-G72-PORT1, OLF-G74-PORT5			
2	Were MS/MSDs spiked with appropriate list of target compounds?	X		
3	Were MS/MSD percent recoveries within laboratory control limits?		X	
4	Did the MS/MSD percent recoveries affect the final results? If yes, narrate.	X		See Table 1
5	Were the MS/MSD RPD values within laboratory control limits?	X		
6	Did the MS/MSD RPDs affect the final results? If so, note on page 2.		X	
Field and Laboratory Duplicates				
1	Was a field duplicate submitted with this SDG?		X	
	Field Duplicate ID: OLF-G49 (DUP381), OLF-G31 (DUP-382)			
2	Were the field sample RPD values less than review criteria?			X
3	Did the field duplicate RPD results affect the final results? If so, narrate.			
4	Was a laboratory method duplicate (MD) performed?		X	
	MD ID:			
5	Did the field duplicate RPD results affect the final results?		X	
7	Did the MD results affect the final results? If so, note on page 2.			X

Laboratory Report ID:					
Laboratory Name:	TALPEN	Date Sampled	11/10-12/21		
Project Name:	McClellan	Date Reported	12/7/2021		
SDG:	680-207821-1				
Reviewer Name:	B. Van Pelt				
Parameters:	VOC				
Method IDs:	SW8260B	Rejected Results?	0		
Matrix:	Ground water, Water				
		Yes	No	N/A	Comment
Other Laboratory QC Data					
1 Were internal standard data reported? (organics and inorganics by 6020)		X			
2 Were IS area counts and retention times within method required limits?		X			
3 Were data associated with manual integration flagged on the test reports?				X	
4 Did dual-column confirmation results (PCBs) meet method-required QC limits of <25% difference?				X	
5 Was an interference check sample analyzed and were percent recoveries within QC limits?				X	
6 If serial dilutions were analyzed using a project sample, were the percent differences within QC limits?				X	
7 Was a CRDL check sample analyzed and were the percent recoveries within QC limits?				X	
8 If post-digestion spikes (PDS) were performed for metals, were percent recoveries with QC limits?				X	
9 If ICV/CCV was stated in the case narrative, did the ICV/CCV affect the project samples?		X			See Table 1
10 Were the total metal results greater than the dissolved metal results?				X	
11 Holding times met?			X		See Table 1
Electronic Data Deliverable					
1 Was an EDD provided with the deliverable?		X			
2 Was the electronic data the same as the hardcopy data?		X			

Comment No.	Description (data usability; note any estimated and/or rejected data):
1	MB associated with TB585 - 1,2,3-trichlorobenzene 0.812 J µg/L. Not detected in TB585, not detected, no qual.
2	
3	
4	

*Table 1 - Normal and Field Duplicate Data Impacted by QC outliers.

Table 1 - QC Outlier Summary 680-207821

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
TB585	19-Nov-21	TB	Acrylonitrile	10	U		LCS high, ND no qual
TB585	19-Nov-21	TB	Bromochloromethane	1	U		LCS high, ND no qual
TB585	19-Nov-21	TB	Chloromethane	1	U		LCS high, ND no qual
TB585	19-Nov-21	TB	Methylene chloride	1	U		LCS high, ND no qual
TB585	19-Nov-21	TB	4-Methyl-2-Pentanone (MIBK)	2	U		LCS high, ND no qual
OLF-G43	15-Nov-21	NS	1,2,3-Trichlorobenzene	0.22	J	UB	Detected in method blank.
OLF-G50	17-Nov-21	NS	Bromomethane	1	U	UJ	MS and MSD low; estimated
OLF-G50	17-Nov-21	NS	Trichloroethene	110		J	MS and MSD low; estimated
OLF-G52	15-Nov-21	NS	Hexachlorobutadiene	5	U		High QC; ND - no qual
OLF-G70	15-Nov-21	NS	Hexachlorobutadiene	5	U		High QC; ND - no qual

Notes:

CCV - Continuing Calibration Verification

FD - Field Duplicate

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MSD - Matrix Spike Duplicate

ND - Not detected

NS - Normal Sample

QC - Quality Control

RPD - Relative percent difference

TB - Trip Blank

Flag:

J - Data is estimated. Result is between the reporting limit and the method detection limit.

U - Not detected

Validation Flag:

J - Result estimated due to a QC outlier.

UB - Analyte considered not detected based on an associated blank detection.

UJ - Reporting limit estimated based on QC outliers.

Laboratory Report Data Review e-Checklist				
Laboratory Report ID:				
Laboratory Name:	TALSAV	Sample Date:	11/19-22/21	
Project Name:	McClellan	Report Package Date:	12/6/2021	
SDG:	680-207865-1			
Reviewer Name:	B. Van Pelt			
Parameters:	HC, ORG, STD, VOC			
Method IDs:	RSK-175, SW8260B, SW8260D	Rejected Results?	0	
Matrix:	Water			
		Yes	No	N/A
				Comment
Laboratory Method Blanks and Field Blanks				
1 Were appropriate types of laboratory method blanks analyzed?		X		
2 Were the laboratory method blanks analyzed at the appropriate frequency?		X		
3 Was the method blank free of contamination (i.e., less than the MDL or RL)?		X		
4 Did the method blank contamination affect the final results? If so, note on page 2.			X	
5 Was a trip blank required and submitted with the samples?		X		
6 Was the trip blank free of contamination (i.e., less than the MDL or RL)?		X		
7 Did the trip blank contamination affect the final results? If so, note on page 2.			X	
8 Was an equipment blank required and submitted with the samples?			X	
9 Was the equipment blank free of contamination (i.e., less than the MDL or RL)?				X
10 Did the equipment blank contamination affect the final results? If so, note on page 2.				X
11 Were Continuous Calibration Blanks (CCBs) analyzed?				X
12 Were CCBs within the control window?				X
13 Did the CCB contamination affect the final results? If so, note on page 2.				X
Surrogates				
1 Were surrogates added prior to extraction for all appropriate methods?		X		
2 Were surrogate percent recoveries within laboratory control limits?		X		
3 Did the surrogate percent recoveries affect the final results? If so, note on page 2.		X		
Laboratory Control Samples				
1 Were Laboratory Control Sample (LCS) analyzed at a frequency of one per batch?		X		
2 Were LCSs spiked with appropriate list of target compounds?		X		
3 Were LCS percent recoveries within laboratory control limits?			X	see Table 1
4 Did the LCS percent recoveries affect the final results? If so, note on page 2.		X		see Table 1
5 If performed, was LCS Duplicate data provided?		X		
6 Were the LCS/LCSD RPD values within laboratory control limits?		X		
Matrix Spikes				
1 Were MS/MSDs analyzed at a frequency of one per batch?			X	1
Sample used/methods:				
2 Were MS/MSDs performed on a project sample selected by the laboratory?		X	X	
Sample used/methods:	OLF-G07, OLF-G42			
3 Were MS/MSDs spiked with appropriate list of target compounds?		X		
4 Were MS/MSD percent recoveries within laboratory control limits?			X	see Table 1
5 Did the MS/MSD percent recoveries affect the final results? If yes, narrate.		X		see Table 1
6 Were the MS/MSD RPD values within laboratory control limits?				X
7 Did the MS/MSD RPDs affect the final results? If so, note on page 2.			X	
Field and Laboratory Duplicates				
1 Was a field duplicate submitted with this SDG?		X		
Field Duplicate ID:	OLF-G20 (DUP383)			
2 Were the field sample RPD values less than review criteria?		X		
3 Did the field duplicate RPD results affect the final results? If so, narrate.			X	
4 Was a laboratory method duplicate (MD) performed?			X	
MD ID:				
5 Did the field duplicate RPD results affect the final results?			X	
7 Did the MD results affect the final results? If so, note on page 2.				X

Laboratory Report ID:					
Laboratory Name:	TALSAV	Sample Date:	11/19-22/21		
Project Name:	McClellan	Report Package Date:	12/6/2021		
SDG:	680-207865-1				
Reviewer Name:	B. Van Pelt				
Parameters:	HC, ORG, STD, VOC				
Method IDs:	RSK-175, SW8260B, SW8260D	Rejected Results?	0		
Matrix:	Water				
		Yes	No	N/A	Comment
Other Laboratory QC Data					
1 Were internal standard data reported? (organics and inorganics by 6020)		X			
2 Were IS area counts and retention times within method required limits?		X			
3 Were data associated with manual integration flagged on the test reports?				X	
4 Did dual-column confirmation results (PCBs) meet method-required QC limits of <25% difference?				X	
5 Was an interference check sample analyzed and were percent recoveries within QC limits?				X	
6 If serial dilutions were analyzed using a project sample, were the percent differences within QC limits?				X	
7 Was a CRDL check sample analyzed and were the percent recoveries within QC limits?				X	
8 If post-digestion spikes (PDS) were performed for metals, were percent recoveries with QC limits?				X	
9 If ICV/CCV was stated in the case narrative, did the ICV/CCV affect the project samples?				X	
10 Were the total metal results greater than the dissolved metal results?				X	
Electronic Data Deliverable					
1 Was an EDD provided with the deliverable?		X			
2 Was the electronic data the same as the hardcopy data?		X			

Comment No.	Description (data usability; note any estimated and/or rejected data):
1	
2	
3	

***Table 1 - Normal and Field Duplicate Data Impacted by QC outliers.**

Table 1 - QC Outlier Summary 680-207865

Station	Date Sampled	QC Code	Parameter	Result	Units	Flag	Validation Code	Reason
OLF-G42	20-Nov-21	MS/MSD	Chloroethane	5	µg/L	U		LCS and LCSD high; 4X Rule for MS and MSD, no flag; MS and MSD results exceed calibration range
OLF-G42	20-Nov-21	MS/MSD	2-Butanone (MEK)	10	µg/L	U	UJ	MS and MSD low
OLF-G42	20-Nov-21	MS/MSD	2-Hexanone	10	µg/L	U	UJ	MS and MSD low
OLF-G42	20-Nov-21	MS/MSD	Vinyl Acetate	2	µg/L	U	UJ	MS and MSD low
OLF-G07	19-Nov-21	MS/MSD	1,1,2,2-Tetrachloroethane	71	µg/L			MS and MSD exceed calibration range; %R okay; no qual
OLF-G07	19-Nov-21	NS	Acetone	10	µg/L	U		MSD low, MS okay, no qual
OLF-G07	19-Nov-21	NS	trans-1,4 Dichloro-2 butene	2	µg/L	U	UJ	MS and MSD are low
OLF-G07	19-Nov-21	NS	Acetone	10	µg/L	U		MSD low, MS okay, no qual
OLF-G75-S5	19-Nov-21	NS	Acetone	10	µg/L	U		High LCS and LCSD; hit in method blank; ND - no qual
OLF-G75-S5	19-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	10	µg/L	U		High LCS and LCSD; ND so no qual
OLF-G75-S5	19-Nov-21	NS	2-Butanone (MEK)	10	µg/L	U		High LCS and LCSD; ND so no qual
OLF-G75-S5	19-Nov-21	NS	Vinyl Acetate	2	µg/L	U		High LCS and LCSD; ND so no qual
OLF-G23	21-Nov-21	NS	Chloroethane	9.8	µg/L		J	High LCS and LCSD
OLF-G23	21-Nov-21	NS	Bromomethane	5	µg/L	U		High LCS, no LCSD
OLF-G23	21-Nov-21	NS	4-Methyl-2-Pentanone (MIBK)	10	µg/L	U		High LCS, no LCSD
OLF-G21	22-Nov-21	NS	Bromomethane	5	µg/L	U		High QC; ND - no qual
OLF-G48	20-Nov-21	NS	Bromomethane	5	µg/L	U		High QC; ND - no qual

Notes:

LCS - Laboratory Control Sample
 LCSD - Laboratory Control Sample Duplicate
 MS - Matrix Spike
 MSD - Matrix Spike Duplicate
 µg/L - micrograms per liter
 ND - Not detected
 NS - normal sample
 QC - quality control
 qual - qualification

Flag:

E - Result exceeds calibration range.
 F1 - MS and/or MSD outlier.
 U - Not detected

Validation Flag:

UJ - Reporting limit estimated based on QC outliers.

Laboratory Report Data Review e-Checklist				
Laboratory Report ID:				
Laboratory Name:	TALPEN	Date Sampled:	5/16-19/22	
Project Name:	McClellan	Date Reported:	6/6/2022	
SDG:	680-215822-1			
Reviewer Name:	B. Van Pelt			
Parameters:	VOC, DHG			
Method IDs:	SW8260B, RSK-175	Rejected Results?	0	
Matrix:	Ground Water			
		Yes	No	N/A
				Comment
Laboratory Method Blanks and Field Blanks				
1	Were appropriate types of laboratory method blanks analyzed?	X		
2	Were the laboratory method blanks analyzed at the appropriate frequency?	X		
3	Was the method blank free of contamination (i.e., less than the MDL or RL)?	X		
4	Did the method blank contamination affect the final results? If so, note on page 2.			X
5	Was a trip blank required and submitted with the samples?	X		
6	Was the trip blank free of contamination (i.e., less than the MDL or RL)?	X		
7	Did the trip blank contamination affect the final results? If so, note on page 2.		X	
8	Was an equipment blank required and submitted with the samples?		X	
9	Was the equipment blank free of contamination (i.e., less than the MDL or RL)?			X
10	Did the equipment blank contamination affect the final results? If so, note on page 2.			X
11	Were Continuous Calibration Blanks (CCBs) analyzed?		X	
12	Were CCBs within the control window?			X
13	Did the CCB contamination affect the final results? If so, note on page 2.			X
Surrogates				
1	Were surrogates added prior to extraction for all appropriate methods?	X		
2	Were surrogate percent recoveries within laboratory control limits?	X		
3	Did the surrogate percent recoveries affect the final results? If so, note on page 2.		X	
Laboratory Control Samples				
1	Were Laboratory Control Sample (LCS) analyzed at a frequency of one per batch?	X		
2	Were LCSs spiked with appropriate list of target compounds?	X		
3	Were LCS percent recoveries within laboratory control limits?		X	see Table 1
4	Did the LCS percent recoveries affect the final results? If so, note on page 2.		X	
5	If performed, was LCS Duplicate data provided?	X		
6	Were the LCS/LCSD RPD values within laboratory control limits?			X see Table 1
Matrix Spikes				
1	Were MS/MSDs analyzed at a frequency of one per batch?		X	1
	Sample used/methods: OLF-G72-Port1			
2	Were MS/MSDs performed on a project sample selected by the laboratory?			
	Sample used/methods:			
3	Were MS/MSDs spiked with appropriate list of target compounds?	X		
4	Were MS/MSD percent recoveries within laboratory control limits?		X	see Table 1
5	Did the MS/MSD percent recoveries affect the final results? If yes, narrate.		X	see Table 1
6	Were the MS/MSD RPD values within laboratory control limits?	X		
7	Did the MS/MSD RPDs affect the final results? If so, note on page 2.		X	
Field and Laboratory Duplicates				
1	Was a field duplicate submitted with this SDG?	X		
	Field Duplicate ID: OLF-G22 (DUP395), OLF-48 (DUP398), OLF-G73-Port4 (DUP399)			
2	Were the field sample RPD values less than review criteria?	X		
3	Did the field duplicate RPD results affect the final results? If so, narrate.			
4	Was a laboratory method duplicate (MD) performed?		X	
	MD ID:			
5	Did the field duplicate RPD results affect the final results?		X	
7	Did the MD results affect the final results? If so, note on page 2.			X

Laboratory Report ID:					
Laboratory Name:	TALPEN	Date Sampled:	5/16-19/22		
Project Name:	McClellan	Date Reported:	6/6/2022		
SDG:	680-215822-1				
Reviewer Name:	B. Van Pelt				
Parameters:	VOC, DHG				
Method IDs:	SW8260B, RSK-175	Rejected Results?	0		
Matrix:	Ground Water				
		Yes	No	N/A	Comment
Other Laboratory QC Data					
1 Were internal standard data reported? (organics and inorganics by 6020)		X			
2 Were IS area counts and retention times within method required limits?		X			
3 Were data associated with manual integration flagged on the test reports?				X	
4 Did dual-column confirmation results (PCBs) meet method-required QC limits of <25% difference?				X	
5 Was an interference check sample analyzed and were percent recoveries within QC limits?				X	
6 If serial dilutions were analyzed using a project sample, were the percent differences within QC limits?				X	
7 Was a CRDL check sample analyzed and were the percent recoveries within QC limits?				X	
8 If post-digestion spikes (PDS) were performed for metals, were percent recoveries with QC limits?				X	
9 If ICV/CCV was stated in the case narrative, did the ICV/CCV affect the project samples?		X			
10 Were the total metal results greater than the dissolved metal results?				X	
Electronic Data Deliverable					
1 Was an EDD provided with the deliverable?		X			
2 Was the electronic data the same as the hardcopy data?		X			
Comment No.	Description (data usability; note any estimated and/or rejected data):				
1	MS and MSD not analyzed in batches 680-723201(OLF-G24,OLF-G47,OLF-G48,OLF-G23,OLF-G35,DUP398), 680-723346 (OLF-G72 Port2, OLF-G19, DUP399, OLF-G74 Port2, OLF-G1, OLF-G36, OLF-G18, OLF-G32, TB599, DUP395), 680-723402 (OLF-G22), 680-723424 ((OLF-G31) and 680-723618 (TB598, OLF-G31). however the appropriate number of MS/MSD were analyzed for this SDG.				
2					
3					

*Table 1 - Normal and Field Duplicate Data Impacted by QC outliers.

Table 1 - QC Outlier Summary 680-215822

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
TRIP BLANK	05/19/22	TB	1,2-Dibromo-3-Chloropropane	5	U		LCS low; LCSD ok - ND no qual
TRIP BLANK	05/19/22	TB	2-Hexanone	10	U	UJ	lcs and lcscd low
TRIP BLANK	05/19/22	TB	Chloromethane	1	U		High QC; ND - no qual
TRIP BLANK	05/19/22	TB	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
TRIP BLANK	05/19/22	TB	Trichlorofluoromethane	1	U		High QC; ND - no qual
TRIP BLANK	05/19/22	TB	Vinyl Acetate	2	U	UJ	LCS and LCSD low
TRIP BLANK	05/19/22	TB	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G19	05/18/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G18	05/18/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G21	05/18/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G12	05/18/22	NS	Vinyl Acetate	10	U	UJ	LCS and LCSD low
OLF-G22	05/18/22	FD	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G22	05/18/22	NS	4-Methyl-2-Pentanone (MIBK)	10	U		High QC; ND - no qual
OLF-G22	05/18/22	NS	Vinyl Acetate	2	U		LCS low, LCSD okay no qual
OLF-G23	05/17/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCSD low, LCS okay; no qual
OLF-G23	05/17/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD high
OLF-G23	05/17/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G23	05/17/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G23	05/17/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G23	05/17/22	NS	Vinyl Acetate	2	U	UJ	LCS_LCSD low
OLF-G24	05/17/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G24	05/17/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G24	05/17/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G24	05/17/22	NS	Vinyl Acetate	2	U	UJ	LCS_LCSD low

Table 1 - QC Outlier Summary 680-215822

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G24	05/17/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCSD low, LCS okay; no qual
OLF-G24	05/17/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD high
OLF-G31	05/18/22	NS	Iodomethane (Methyl Iodide)	10	U		LCS low but LCSD high; no qual
OLF-G35	05/17/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCSD low, LCS okay; no qual
OLF-G35	05/17/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD high
OLF-G35	05/17/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G35	05/17/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G35	05/17/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G35	05/17/22	NS	Vinyl Acetate	2	U	UJ	LCS_LCSD low
OLF-G36	05/18/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G32	05/18/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G47	05/17/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCSD low, LCS okay; no qual
OLF-G47	05/17/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD high
OLF-G47	05/17/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G47	05/17/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G47	05/17/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G47	05/17/22	NS	Vinyl Acetate	2	U	UJ	LCS_LCSD low
OLF-G48	05/17/22	FD	1,2-Dibromo-3-Chloropropane	5	U		LCSD low, LCS okay; no qual
OLF-G48	05/17/22	FD	2-Hexanone	10	U	UJ	LCS and LCSD high
OLF-G48	05/17/22	FD	Chloromethane	1	U		High QC; ND - no qual
OLF-G48	05/17/22	FD	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G48	05/17/22	FD	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G48	05/17/22	FD	Vinyl Acetate	2	U	UJ	LCS_LCSD low
OLF-G48	05/17/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCSD low, LCS okay; no qual

Table 1 - QC Outlier Summary 680-215822

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G48	05/17/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD high
OLF-G48	05/17/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G48	05/17/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G48	05/17/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G48	05/17/22	NS	Vinyl Acetate	2	U	UJ	LCS_LCSD low
OLF-G73-PORT4	05/18/22	FD	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G71-PORT1	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G71-PORT1	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G71-PORT1	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G71-PORT2	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G71-PORT2	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G71-PORT2	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G71-PORT3	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G71-PORT3	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G71-PORT3	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G71-PORT4	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G71-PORT4	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G71-PORT4	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G71-PORT5	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G71-PORT5	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G71-PORT5	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G72-PORT1	05/16/22	NS	1,2-Dibromo-3-Chloropropane	5	U	UJ	MS and MSD low
OLF-G72-PORT1	05/16/22	NS	Chloromethane	1	U		high LCS, LCSD, MS, MSD; ND no qual

Table 1 - QC Outlier Summary 680-215822

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G72-PORT1	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low and MS and MSD low
OLF-G72-PORT1	05/16/22	NS	Trichlorofluoromethane	1	U		high LCS, LCSD, MS, MSD; ND no qual
OLF-G72-PORT1	05/16/22	NS	Vinyl Acetate	2	U	UJ	MS and MSD low
OLF-G72-PORT2	05/16/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G72-PORT3	05/16/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G72-PORT4	05/16/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G72-PORT5	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G72-PORT5	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G72-PORT5	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G72-PORT6	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G72-PORT6	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G72-PORT6	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G73-PORT1	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G73-PORT1	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G73-PORT1	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G73-PORT2	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G73-PORT2	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G73-PORT2	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G73-PORT3	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G73-PORT3	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G73-PORT3	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G73-PORT4	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual

Table 1 - QC Outlier Summary 680-215822

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G73-PORT4	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G73-PORT4	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G73-PORT5	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G73-PORT5	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G73-PORT5	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G74-PORT1	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G74-PORT1	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G74-PORT1	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G74-PORT2	05/16/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G74-PORT3	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G74-PORT3	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G74-PORT3	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G74-PORT4	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G74-PORT4	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G74-PORT4	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G74-PORT5	05/16/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G74-PORT5	05/16/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G74-PORT5	05/16/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual

Notes:

FD - field duplicate

LCS - laboratory control sample

LCSD - laboratory control sample duplicate

MS - matrix spike

MSD - matrix spike duplicate

Flag:

U - Analyte not detected

Validation Code:

UJ - Analyte not detected. Reporting limit is estimated due to QC outlier.

ND - not detected

NS - normal sample

QC - quality control

TB - trip blank

Laboratory Report Data Review e-Checklist					
Laboratory Report ID:					
Laboratory Name:	TALPEN	Sample Date:	5/19-23/22		
Project Name:	McClellan	Report Package Date:	6/24/2022		
SDG:	680-215923-1				
Reviewer Name:	B. Van Pelt				
Parameters:	VOC				
Method IDs:	SW8260D	Rejected Results?	0		
Matrix:	Ground Water				
		Yes	No	N/A	Comment
Laboratory Method Blanks and Field Blanks					
1	Were appropriate types of laboratory method blanks analyzed?	X			
2	Were the laboratory method blanks analyzed at the appropriate frequency?	X			
3	Was the method blank free of contamination (i.e., less than the MDL or RL)?	X			
4	Did the method blank contamination affect the final results? If so, note on page 2.			X	
5	Was a trip blank required and submitted with the samples?	X			
6	Was the trip blank free of contamination (i.e., less than the MDL or RL)?	X			
7	Did the trip blank contamination affect the final results? If so, note on page 2.		X		
8	Was an equipment blank required and submitted with the samples?		X		
9	Was the equipment blank free of contamination (i.e., less than the MDL or RL)?			X	
10	Did the equipment blank contamination affect the final results? If so, note on page 2.			X	
11	Were Continuous Calibration Blanks (CCBs) analyzed?		X		
12	Were CCBs within the control window?			X	
13	Did the CCB contamination affect the final results? If so, note on page 2.			X	
Surrogates					
1	Were surrogates added prior to extraction for all appropriate methods?	X			
2	Were surrogate percent recoveries within laboratory control limits?	X			
3	Did the surrogate percent recoveries affect the final results? If so, note on page 2.		X		
Laboratory Control Samples					
1	Were Laboratory Control Sample (LCS) analyzed at a frequency of one per batch?	X			
2	Were LCSs spiked with appropriate list of target compounds?	X			
3	Were LCS percent recoveries within laboratory control limits?		X		see Table 1
4	Did the LCS percent recoveries affect the final results? If so, note on page 2.		X		
5	If performed, was LCS Duplicate data provided?	X			
6	Were the LCS/LCSD RPD values within laboratory control limits?			X	
Matrix Spikes					
1	Were MS/MSDs analyzed at a frequency of one per batch?		X		1
	Sample used/methods: OLF-G07, OLF-G42				
2	Were MS/MSDs performed on a project sample selected by the laboratory?				
	Sample used/methods:				
3	Were MS/MSDs spiked with appropriate list of target compounds?	X			
4	Were MS/MSD percent recoveries within laboratory control limits?		X		see Table 1
5	Did the MS/MSD percent recoveries affect the final results? If yes, narrate.		X		see Table 1
6	Were the MS/MSD RPD values within laboratory control limits?	X			
7	Did the MS/MSD RPDs affect the final results? If so, note on page 2.		X		
Field and Laboratory Duplicates					
1	Was a field duplicate submitted with this SDG?	X			
	Field Duplicate ID: OLF-G26 (DUP397), OLF-G70 (DUP396)				
2	Were the field sample RPD values less than review criteria?	X			
3	Did the field duplicate RPD results affect the final results? If so, narrate.				
4	Was a laboratory method duplicate (MD) performed?		X		
	MD ID:				
5	Did the field duplicate RPD results affect the final results?		X		
7	Did the MD results affect the final results? If so, note on page 2.			X	

Laboratory Report ID:					
Laboratory Name:	TALPEN	Sample Date:	5/19-23/22		
Project Name:	McClellan	Report Package Date:	6/24/2022		
SDG:	680-215923-1				
Reviewer Name:	B. Van Pelt				
Parameters:	VOC				
Method IDs:	SW8260D	Rejected Results?	0		
Matrix:	Ground Water				
		Yes	No	N/A	Comment

Other Laboratory QC Data				
1 Were internal standard data reported? (organics and inorganics by 6020)	X			
2 Were IS area counts and retention times within method required limits?	X			
3 Were data associated with manual integration flagged on the test reports?			X	
4 Did dual-column confirmation results (PCBs) meet method-required QC limits of <25% difference?			X	
5 Was an interference check sample analyzed and were percent recoveries within QC limits?			X	
6 If serial dilutions were analyzed using a project sample, were the percent differences within QC limits?			X	
7 Was a CRDL check sample analyzed and were the percent recoveries within QC limits?			X	
8 If post-digestion spikes (PDS) were performed for metals, were percent recoveries with QC limits?			X	
9 If ICV/CCV was stated in the case narrative, did the ICV/CCV affect the project samples?	X			
10 Were the total metal results greater than the dissolved metal results?			X	
Electronic Data Deliverable				
1 Was an EDD provided with the deliverable?	X			
2 Was the electronic data the same as the hardcopy data?	X			

Comment No.	Description (data usability; note any estimated and/or rejected data):
1	MS and MSD not analyzed in batches associated with OLF-G26, OLF-G049, OLF-G50, OLF-G51, OLF-G52, OLF-G70, PPMP-229-G12, and OLF-G43, however the appropriate number of MS/MSD were analyzed for this SDG.
2	
3	

*Table 1 - Normal and Field Duplicate Data Impacted by QC outliers.

Table 1 - QC Outlier Summary 680-215923

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
TRIP BLANK	05/23/22	TB	Acetone	10	U		High QC; ND - no qual
TRIP BLANK	05/23/22	TB	Chloroethane	5	U		High QC; ND - no qual
TRIP BLANK	05/23/22	TB	Vinyl Acetate	2	U	UJ	LCS and LCSD low
EQUIPMENT BLANK	05/23/22	EB	Acetone	4.8	J		High QC; ND - no qual
EQUIPMENT BLANK	05/23/22	EB	Chloroethane	5	U		High QC; ND - no qual
EQUIPMENT BLANK	05/23/22	EB	Vinyl Acetate	2	U	UJ	LCS and LCSD low
MATERIAL BLANK	05/23/22	WS	Acetone	3.7	J		High QC; ND - no qual
MATERIAL BLANK	05/23/22	WS	Chloroethane	5	U		High QC; ND - no qual
MATERIAL BLANK	05/23/22	WS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G07	05/20/22	NS	1,1,1,2-Tetrachloroethane	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	1,1,1-Trichloroethane	1	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	1,1,2,2-Tetrachloroethane	130		J	MS and MSD low
OLF-G07	05/20/22	NS	1,1,2-Trichloroethane	1.2		UJ	MS and MSD low
OLF-G07	05/20/22	NS	1,1-Dichloroethane	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	1,2,3-Trichloropropane	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	1,2-Dibromo-3-Chloropropane	5	U	UJ	LCSD low, LCS okay, no qual, MS and MSD low
OLF-G07	05/20/22	NS	1,2-Dibromoethane	1	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	1,2-Dichlorobenzene	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	1,2-Dichloroethane	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	1,2-Dichloropropane	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	1,3-Dichloropropane	1	U		MSD low, MS okay - no qual
OLF-G07	05/20/22	NS	1,4-Dichlorobenzene	1	U		MS low; MSD okay; no qual

Table 1 - QC Outlier Summary 680-215923

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G07	05/20/22	NS	2-Butanone (MEK)	10	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD low, MS and MSD low
OLF-G07	05/20/22	NS	4-Methyl-2-Pentanone (MIBK)	10	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	Acetone	10	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	Acrylonitrile	20	U		high MS and MSD; ND - no qual
OLF-G07	05/20/22	NS	Benzene	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Bromodichloromethane	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Bromoform	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Bromomethane	5	U		MS/MSD RPD outlier;
OLF-G07	05/20/22	NS	Carbon Tetrachloride	1	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	Chlorobenzene	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Bromochloromethane	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Chloroethane	5	U		MS/MSD RPD outlier;
OLF-G07	05/20/22	NS	Chloroform	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Chloromethane	1	U		MS high; RPD out; MSD okay; no qual
OLF-G07	05/20/22	NS	Cis-1,2-Dichloroethene	8.2			MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Cis-1,3-Dichloropropene	1	U		MSD low, MS okay - no qual
OLF-G07	05/20/22	NS	Dibromochloromethane	1	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	Dibromomethane	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Ethylbenzene	1	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Mtbe	5	U	UJ	low MS and MSD

Table 1 - QC Outlier Summary 680-215923

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G07	05/20/22	NS	Methylene Chloride	5	U		MS low; MSD okay; no qual
OLF-G07	05/20/22	NS	Styrene	1	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	Tetrachloroethylene	0.53		UJ	MS and MSD low
OLF-G07	05/20/22	NS	Toluene	1	U	UJ	MS and MSD low
OLF-G07	05/20/22	NS	Trans-1,3-Dichloropropene	1	U	UJ	MS and MSD low;
OLF-G07	05/20/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCSD low, LCS okay, no qual, MS and MSD low
OLF-G07	05/20/22	NS	Trichlorofluoromethane	1	U		MS high; RPD out; MSD okay; no qual
OLF-G07	05/20/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low, MS and MSD low
OLF-G07	05/20/22	NS	Vinyl Chloride	1	U		MS high; MSD okay, RPD out; no qual
OLF-G07	05/20/22	NS	Xylenes (Total)	1	U		MS low; MSD okay; no qual
OLF-G20	05/20/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCS low; lcsd ok - no qual
OLF-G20	05/20/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD low
OLF-G20	05/20/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G20	05/20/22	NS	Trans-1,4-Dichloro-2-Butene	2	U		LCSD low; lcs ok - no qual
OLF-G20	05/20/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G20	05/20/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G26	05/19/22	FD	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G26	05/19/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCS low; LCSD ok - ND no qual
OLF-G26	05/19/22	NS	2-Hexanone	10	U	UJ	lcs and lcsd low
OLF-G26	05/19/22	NS	Chloromethane	1	U		High QC; ND - no qual

Table 1 - QC Outlier Summary 680-215923

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G26	05/19/22	NS	Trans-1,4-Dichloro-2-Butene	2	U	UJ	LCS and LCSD low
OLF-G26	05/19/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G26	05/19/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G52	05/19/22	NS	Acetone	10	U		High QC; ND - no qual
OLF-G52	05/19/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G52	05/19/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G42	05/20/22	NS	Acetone	10	U		High QC; ND - no qual
OLF-G42	05/20/22	NS	Chloroethane	5	U		high ILCSD,MS MSMSD RPD out; ND no q
OLF-G42	05/20/22	NS	Iodomethane (Methyl Iodide)	10	U		MS low; MSD okay; RPD out - no qual
OLF-G42	05/20/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low, MS and MSD low
OLF-G49	05/19/22	NS	Acetone	10	U		High QC; ND - no qual
OLF-G49	05/19/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G49	05/19/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G50	05/19/22	NS	Acetone	10	U		High QC; ND - no qual
OLF-G50	05/19/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G50	05/19/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G51	05/19/22	NS	Acetone	10	U		High QC; ND - no qual
OLF-G51	05/19/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G51	05/19/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G70	05/19/22	FD	Acetone	10	U		High QC; ND - no qual
OLF-G70	05/19/22	FD	Trichlorofluoromethane	1	U		High QC; ND - no qual

Table 1 - QC Outlier Summary 680-215923

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G70	05/19/22	FD	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G70	05/19/22	NS	Acetone	10	U		High QC; ND - no qual
OLF-G70	05/19/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G70	05/19/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
PPMP-229-GP12	05/19/22	NS	Acetone	10	U		High QC; ND - no qual
PPMP-229-GP12	05/19/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
PPMP-229-GP12	05/19/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G77	05/20/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCS low; lcsd ok - no qual
OLF-G77	05/20/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD low
OLF-G77	05/20/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G77	05/20/22	NS	Trans-1,4-Dichloro-2-Butene	2	U		LCSD low; lcs ok - no qual
OLF-G77	05/20/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G77	05/20/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G78	05/20/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCS low; lcsd ok - no qual
OLF-G78	05/20/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD low
OLF-G78	05/20/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G78	05/20/22	NS	Trans-1,4-Dichloro-2-Butene	2	U		LCSD low; lcs ok - no qual
OLF-G78	05/20/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G78	05/20/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G75-S3	05/20/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCS low; lcsd ok - no qual
OLF-G75-S3	05/20/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD low
OLF-G75-S3	05/20/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G75-S3	05/20/22	NS	Trans-1,4-Dichloro-2-Butene	2	U		LCSD low; lcs ok - no qual

Table 1 - QC Outlier Summary 680-215923

Station	Date Sampled	QC Code	Parameter	Result	Flag	Validation Code	Reason
OLF-G75-S3	05/20/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G75-S3	05/20/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low
OLF-G75-S5	05/20/22	NS	1,2-Dibromo-3-Chloropropane	5	U		LCS low; lcsd ok - no qual
OLF-G75-S5	05/20/22	NS	2-Hexanone	10	U	UJ	LCS and LCSD low
OLF-G75-S5	05/20/22	NS	Chloromethane	1	U		High QC; ND - no qual
OLF-G75-S5	05/20/22	NS	Trans-1,4-Dichloro-2-Butene	2	U		LCSD low; lcs ok - no qual
OLF-G75-S5	05/20/22	NS	Trichlorofluoromethane	1	U		High QC; ND - no qual
OLF-G75-S5	05/20/22	NS	Vinyl Acetate	2	U	UJ	LCS and LCSD low

Notes:

FD - field duplicate

LCS - laboratory control sample

LCSD - laboratory control sample duplicate

MS - matrix spike

MSD - matrix spike duplicate

ND - not detected

NS - normal sample

QC - quality control

TB - trip blank

WS - source water

Flag:

U - Analyte not detected

Validation Code:

UJ - Analyte not detected. Reporting limit is estimated due to QC outlier.

Appendix C
Laboratory Reports

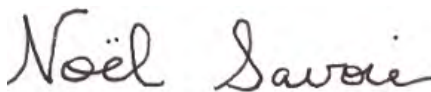
ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-215822-1
Client Project/Site: Parcel 80(6), Landfill 3

For:
Matrix Environmental Services, LLC
707 17th Street
Suite 3150
Denver, Colorado 80202

Attn: Ms. Betty Van Pelt



Authorized for release by:
6/6/2022 11:58:37 PM

Noel Savoie, Project Manager I
(850)254-0107
Noel.Savoie@et.eurofinsus.com

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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.

Definitions/Glossary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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

Sample Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-215822-1	OLF-G71 Port 1	Water	05/16/22 16:30	05/20/22 10:00
680-215822-2	OLF-G71 Port 2	Water	05/16/22 16:33	05/20/22 10:00
680-215822-3	OLF-G71 Port 3	Water	05/16/22 16:36	05/20/22 10:00
680-215822-4	OLF-G71 Port 4	Water	05/16/22 16:39	05/20/22 10:00
680-215822-5	OLF-G71 Port 5	Water	05/16/22 16:42	05/20/22 10:00
680-215822-6	OLF-G72 Port 1	Water	05/16/22 14:15	05/20/22 10:00
680-215822-7	OLF-G72 Port 2	Water	05/16/22 14:19	05/20/22 10:00
680-215822-8	OLF-G72 Port 3	Water	05/16/22 14:23	05/20/22 10:00
680-215822-9	OLF-G72 Port 4	Water	05/16/22 14:27	05/20/22 10:00
680-215822-10	OLF-G72 Port 5	Water	05/16/22 14:31	05/20/22 10:00
680-215822-11	OLF-G72 Port 6	Water	05/16/22 14:35	05/20/22 10:00
680-215822-12	OLF-G73 Port 1	Water	05/16/22 12:11	05/20/22 10:00
680-215822-13	OLF-G73 Port 2	Water	05/16/22 12:15	05/20/22 10:00
680-215822-14	OLF-G73 Port 3	Water	05/16/22 12:19	05/20/22 10:00
680-215822-15	OLF-G73 Port 4	Water	05/16/22 12:23	05/20/22 10:00
680-215822-16	OLF-G73 Port 5	Water	05/16/22 12:27	05/20/22 10:00
680-215822-17	OLF-G19	Water	05/18/22 12:33	05/20/22 10:00
680-215822-18	DUP399	Water	05/18/22 00:00	05/20/22 10:00
680-215822-19	TB598	Water	05/19/22 10:00	05/20/22 10:00
680-215822-20	OLF-G74 Port 1	Water	05/16/22 09:35	05/20/22 10:00
680-215822-21	OLF-G74 Port 2	Water	05/16/22 09:37	05/20/22 10:00
680-215822-22	OLF-G74 Port 3	Water	05/16/22 09:39	05/20/22 10:00
680-215822-23	OLF-G74 Port 4	Water	05/16/22 09:41	05/20/22 10:00
680-215822-24	OLF-G74 Port 5	Water	05/16/22 09:43	05/20/22 10:00
680-215822-25	OLF-G21	Water	05/18/22 14:50	05/20/22 10:00
680-215822-26	OLF-G36	Water	05/18/22 10:10	05/20/22 10:00
680-215822-27	OLF-G24	Water	05/17/22 12:25	05/20/22 10:00
680-215822-28	OLF-G47	Water	05/17/22 10:30	05/20/22 10:00
680-215822-29	OLF-G48	Water	05/17/22 09:20	05/20/22 10:00
680-215822-30	OLF-G12	Water	05/18/22 11:05	05/20/22 10:00
680-215822-31	OLF-G22	Water	05/18/22 08:55	05/20/22 10:00
680-215822-32	OLF-G18	Water	05/18/22 13:45	05/20/22 10:00
680-215822-33	OLF-G23	Water	05/17/22 14:40	05/20/22 10:00
680-215822-34	OLF-G35	Water	05/17/22 13:30	05/20/22 10:00
680-215822-35	OLF-G31	Water	05/18/22 17:15	05/20/22 10:00
680-215822-36	OLF-G32	Water	05/18/22 16:15	05/20/22 10:00
680-215822-37	TB599	Water	05/19/22 10:20	05/20/22 10:00
680-215822-38	DUP395	Water	05/18/22 00:00	05/20/22 10:00
680-215822-39	DUP398	Water	05/17/22 00:00	05/20/22 10:00

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Job ID: 680-215822-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-215822-1

Comments

No additional comments.

Receipt

The samples were received on 5/20/2022 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.5° C and 2.7° C.

GC/MS VOA

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-722996 recovered outside control limits for the following analytes: Chloromethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-722996 recovered outside control limits for the following analyte: trans-1,4-Dichloro-2-butene. Trans-1,4-Dichloro-2-butene has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 680-722996 exceeded advisory control limits for the following analytes: 1,2-Dibromo-3-Chloropropane, Bromomethane, trans-1,4-Dichloro-2-butene and Vinyl acetate, Note that this analyte is a known poor performer when analyzed using this method.

Method 8260D: The matrix spike duplicate analyzed in batch 680-722996 was outside the method criteria for the 12 hour window by 10 minutes. The data integrity was not impacted and the data has been reported and addressed. All other QC criteria have been met.
OLF-G72 Port 1 (680-215822-6[MSD])

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723051 recovered outside control limits for the following analyte: Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723201 recovered outside control limits for the following analytes: Chloromethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723201 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane, 2-Hexanone, trans-1,4-Dichloro-2-butene and Vinyl acetate. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-723201.

Method 8260D: Trichlorofluoromethane is reported with an E flag in the batch QC because the top two points were dropped from the ICAL. The sample associated with the QC was non detect for Trichlorofluoromethane. The data has been qualified and reported. (LCS 680-723346/4) and (LCSD 680-723346/5)

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723346 recovered outside control limits for the following analyte: Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-723346.

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Job ID: 680-215822-1 (Continued)

Laboratory: Eurofins Savannah (Continued)

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723402 recovered outside control limits for the following analyte: 4-Methyl-2-pentanone (MIBK). This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 680-723402 recovered outside control limits for the following analyte: Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-723402.

Method 8260D: The laboratory control sample (LCS) for analytical batch 680-723424 recovered outside control limits for the following analyte: Iodomethane. Iodomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-723424.

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723618 recovered outside control limits for the following analytes: Chloromethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723618 recovered outside control limits for the following analytes: trans-1,4-Dichloro-2-butene, 2-Hexanone, 1,2-Dibromo-3-Chloropropane and Vinyl acetate. trans-1,4-Dichloro-2-butene, 2-Hexanone, 1,2-Dibromo-3-Chloropropane and Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-723618.

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

GC Semi VOA

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

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-215822-1

Date Collected: 05/16/22 16:30

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 18:21	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 18:21	1
Benzene	0.83	J	1.0	0.27	ug/L			05/27/22 18:21	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 18:21	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 18:21	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 18:21	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 18:21	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 18:21	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 18:21	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 18:21	1
Chlorobenzene	5.8		1.0	0.15	ug/L			05/27/22 18:21	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 18:21	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 18:21	1
Chloromethane	0.54	U *+	1.0	0.54	ug/L			05/27/22 18:21	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 18:21	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 18:21	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:21	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 18:21	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 18:21	1
1,4-Dichlorobenzene	0.71	J	1.0	0.31	ug/L			05/27/22 18:21	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			05/27/22 18:21	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:21	1
1,2-Dichloroethane	0.88	J	1.0	0.25	ug/L			05/27/22 18:21	1
cis-1,2-Dichloroethene	66		1.0	0.25	ug/L			05/27/22 18:21	1
trans-1,2-Dichloroethene	13		1.0	0.34	ug/L			05/27/22 18:21	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 18:21	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 18:21	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 18:21	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 18:21	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 18:21	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 18:21	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 18:21	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 18:21	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 18:21	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 18:21	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 18:21	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 18:21	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 18:21	1
1,1,2,2-Tetrachloroethane	8.4		1.0	0.40	ug/L			05/27/22 18:21	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 18:21	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 18:21	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 18:21	1
1,1,2-Trichloroethane	0.65	J	1.0	0.32	ug/L			05/27/22 18:21	1
Trichloroethene	110		1.0	0.20	ug/L			05/27/22 18:21	1
Trichlorofluoromethane	0.33	U *+	1.0	0.33	ug/L			05/27/22 18:21	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 18:21	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 18:21	1
Vinyl chloride	21		1.0	0.40	ug/L			05/27/22 18:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 18:21	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-215822-1

Date Collected: 05/16/22 16:30

Matrix: Water

Date Received: 05/20/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		05/27/22 18:21	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		05/27/22 18:21	1
Dibromofluoromethane (Surr)	109		70 - 130		05/27/22 18:21	1
4-Bromofluorobenzene (Surr)	100		70 - 130		05/27/22 18:21	1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-215822-2

Date Collected: 05/16/22 16:33

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 16:01	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 16:01	1
Benzene	0.45	J	1.0	0.27	ug/L			05/27/22 16:01	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 16:01	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 16:01	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 16:01	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 16:01	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 16:01	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 16:01	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 16:01	1
Chlorobenzene	1.4		1.0	0.15	ug/L			05/27/22 16:01	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 16:01	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 16:01	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 16:01	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 16:01	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 16:01	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 16:01	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 16:01	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 16:01	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 16:01	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 16:01	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 16:01	1
1,2-Dichloroethane	0.41	J	1.0	0.25	ug/L			05/27/22 16:01	1
cis-1,2-Dichloroethene	40		1.0	0.25	ug/L			05/27/22 16:01	1
trans-1,2-Dichloroethene	3.0		1.0	0.34	ug/L			05/27/22 16:01	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 16:01	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 16:01	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 16:01	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 16:01	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 16:01	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 16:01	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 16:01	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 16:01	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 16:01	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 16:01	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 16:01	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 16:01	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 16:01	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 16:01	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-215822-2

Date Collected: 05/16/22 16:33

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 16:01	1
Toluene	0.47	J	1.0	0.25	ug/L			05/27/22 16:01	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 16:01	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 16:01	1
Trichloroethene	4.7		1.0	0.20	ug/L			05/27/22 16:01	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 16:01	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 16:01	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 16:01	1
Vinyl chloride	2.7		1.0	0.40	ug/L			05/27/22 16:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130		05/27/22 16:01	1
1,2-Dichloroethane-d4 (Surr)	113		60 - 124		05/27/22 16:01	1
Dibromofluoromethane (Surr)	110		70 - 130		05/27/22 16:01	1
4-Bromofluorobenzene (Surr)	103		70 - 130		05/27/22 16:01	1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-215822-3

Date Collected: 05/16/22 16:36

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 16:24	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 16:24	1
Benzene	0.51	J	1.0	0.27	ug/L			05/27/22 16:24	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 16:24	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 16:24	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 16:24	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 16:24	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 16:24	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 16:24	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 16:24	1
Chlorobenzene	1.9		1.0	0.15	ug/L			05/27/22 16:24	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 16:24	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 16:24	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 16:24	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 16:24	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 16:24	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 16:24	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 16:24	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 16:24	1
1,4-Dichlorobenzene	0.42	J	1.0	0.31	ug/L			05/27/22 16:24	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			05/27/22 16:24	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 16:24	1
1,2-Dichloroethane	0.58	J	1.0	0.25	ug/L			05/27/22 16:24	1
cis-1,2-Dichloroethene	18		1.0	0.25	ug/L			05/27/22 16:24	1
trans-1,2-Dichloroethene	3.4		1.0	0.34	ug/L			05/27/22 16:24	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 16:24	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 16:24	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-215822-3

Date Collected: 05/16/22 16:36

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 16:24	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 16:24	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 16:24	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 16:24	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 16:24	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 16:24	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 16:24	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 16:24	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 16:24	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 16:24	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 16:24	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 16:24	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 16:24	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 16:24	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 16:24	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 16:24	1
Trichloroethene	31		1.0	0.20	ug/L			05/27/22 16:24	1
Trichlorofluoromethane	0.33	U *	1.0	0.33	ug/L			05/27/22 16:24	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 16:24	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 16:24	1
Vinyl chloride	3.8		1.0	0.40	ug/L			05/27/22 16:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		05/27/22 16:24	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		05/27/22 16:24	1
Dibromofluoromethane (Surr)	113		70 - 130		05/27/22 16:24	1
4-Bromofluorobenzene (Surr)	102		70 - 130		05/27/22 16:24	1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-215822-4

Date Collected: 05/16/22 16:39

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 16:48	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 16:48	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 16:48	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 16:48	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 16:48	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 16:48	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 16:48	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 16:48	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 16:48	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 16:48	1
Chlorobenzene	1.1		1.0	0.15	ug/L			05/27/22 16:48	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 16:48	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 16:48	1
Chloromethane	0.54	U *	1.0	0.54	ug/L			05/27/22 16:48	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 16:48	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-215822-4

Date Collected: 05/16/22 16:39

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 16:48	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 16:48	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 16:48	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 16:48	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 16:48	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 16:48	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 16:48	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 16:48	1
cis-1,2-Dichloroethene	9.0		1.0	0.25	ug/L			05/27/22 16:48	1
trans-1,2-Dichloroethene	1.1		1.0	0.34	ug/L			05/27/22 16:48	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 16:48	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 16:48	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 16:48	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 16:48	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 16:48	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 16:48	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 16:48	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 16:48	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 16:48	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 16:48	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 16:48	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 16:48	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 16:48	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 16:48	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 16:48	1
Toluene	0.35	J	1.0	0.25	ug/L			05/27/22 16:48	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 16:48	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 16:48	1
Trichloroethene	11		1.0	0.20	ug/L			05/27/22 16:48	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 16:48	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 16:48	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 16:48	1
Vinyl chloride	1.4		1.0	0.40	ug/L			05/27/22 16:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130		05/27/22 16:48	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		05/27/22 16:48	1
Dibromofluoromethane (Surr)	113		70 - 130		05/27/22 16:48	1
4-Bromofluorobenzene (Surr)	103		70 - 130		05/27/22 16:48	1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-215822-5

Date Collected: 05/16/22 16:42

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 17:11	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 17:11	1
Benzene	0.66	J	1.0	0.27	ug/L			05/27/22 17:11	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-215822-5

Date Collected: 05/16/22 16:42

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 17:11	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 17:11	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 17:11	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 17:11	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 17:11	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 17:11	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 17:11	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 17:11	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 17:11	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 17:11	1
Chloromethane	0.54	U *	1.0	0.54	ug/L			05/27/22 17:11	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 17:11	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 17:11	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 17:11	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 17:11	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 17:11	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 17:11	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 17:11	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 17:11	1
1,2-Dichloroethane	0.28	J	1.0	0.25	ug/L			05/27/22 17:11	1
cis-1,2-Dichloroethene	2.5		1.0	0.25	ug/L			05/27/22 17:11	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 17:11	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 17:11	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 17:11	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 17:11	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 17:11	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 17:11	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 17:11	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 17:11	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 17:11	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 17:11	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 17:11	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 17:11	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 17:11	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 17:11	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 17:11	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 17:11	1
Toluene	0.76	J	1.0	0.25	ug/L			05/27/22 17:11	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 17:11	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 17:11	1
Trichloroethene	0.27	J	1.0	0.20	ug/L			05/27/22 17:11	1
Trichlorofluoromethane	0.33	U *	1.0	0.33	ug/L			05/27/22 17:11	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 17:11	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 17:11	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 17:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 17:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130		05/27/22 17:11	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 124		05/27/22 17:11	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-215822-5

Date Collected: 05/16/22 16:42

Matrix: Water

Date Received: 05/20/22 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	113		70 - 130		05/27/22 17:11	1
4-Bromofluorobenzene (Surr)	103		70 - 130		05/27/22 17:11	1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-215822-6

Date Collected: 05/16/22 14:15

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 22:38	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 22:38	1
Benzene	1.0		1.0	0.27	ug/L			05/27/22 22:38	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 22:38	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 22:38	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 22:38	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 22:38	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 22:38	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 22:38	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 22:38	1
Chlorobenzene	64		1.0	0.15	ug/L			05/27/22 22:38	1
Chloroethane	9.8		5.0	4.6	ug/L			05/27/22 22:38	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 22:38	1
Chloromethane	0.54	U F1 *+	1.0	0.54	ug/L			05/27/22 22:38	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 22:38	1
1,2-Dibromo-3-Chloropropane	1.8	U F1	5.0	1.8	ug/L			05/27/22 22:38	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 22:38	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 22:38	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 22:38	1
1,4-Dichlorobenzene	0.64	J	1.0	0.31	ug/L			05/27/22 22:38	1
trans-1,4-Dichloro-2-butene	1.3	U F1 *-	2.0	1.3	ug/L			05/27/22 22:38	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 22:38	1
1,2-Dichloroethane	0.79	J	1.0	0.25	ug/L			05/27/22 22:38	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/27/22 22:38	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 22:38	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 22:38	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 22:38	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 22:38	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 22:38	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 22:38	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 22:38	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 22:38	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 22:38	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 22:38	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 22:38	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 22:38	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 22:38	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 22:38	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 22:38	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 22:38	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-215822-6

Date Collected: 05/16/22 14:15

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.97	J	1.0	0.25	ug/L			05/27/22 22:38	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 22:38	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 22:38	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/27/22 22:38	1
Trichlorofluoromethane	0.33	U F1 *+	1.0	0.33	ug/L			05/27/22 22:38	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 22:38	1
Vinyl acetate	0.69	U F1	2.0	0.69	ug/L			05/27/22 22:38	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 22:38	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130					05/27/22 22:38	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124					05/27/22 22:38	1
Dibromofluoromethane (Surr)	113		70 - 130					05/27/22 22:38	1
4-Bromofluorobenzene (Surr)	104		70 - 130					05/27/22 22:38	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	41		1.1	0.30	ug/L			05/26/22 14:47	1
Ethene	11		1.0	0.31	ug/L			05/26/22 14:47	1
Methane (TCD)	50000		3900	590	ug/L			05/27/22 17:03	10

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-215822-7

Date Collected: 05/16/22 14:19

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 13:24	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 13:24	1
Benzene	1.6		1.0	0.27	ug/L			05/30/22 13:24	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 13:24	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 13:24	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 13:24	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 13:24	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 13:24	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 13:24	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 13:24	1
Chlorobenzene	61		1.0	0.15	ug/L			05/30/22 13:24	1
Chloroethane	8.7		5.0	4.6	ug/L			05/30/22 13:24	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 13:24	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 13:24	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 13:24	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 13:24	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 13:24	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 13:24	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 13:24	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 13:24	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 13:24	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 13:24	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-215822-7

Date Collected: 05/16/22 14:19

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.51	J	1.0	0.25	ug/L			05/30/22 13:24	1
cis-1,2-Dichloroethene	0.30	J	1.0	0.25	ug/L			05/30/22 13:24	1
trans-1,2-Dichloroethene	0.59	J	1.0	0.34	ug/L			05/30/22 13:24	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 13:24	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 13:24	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 13:24	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 13:24	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 13:24	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 13:24	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 13:24	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 13:24	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 13:24	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 13:24	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 13:24	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 13:24	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 13:24	1
1,1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 13:24	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 13:24	1
Toluene	5.4		1.0	0.25	ug/L			05/30/22 13:24	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 13:24	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 13:24	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/30/22 13:24	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 13:24	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 13:24	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 13:24	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 13:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		05/30/22 13:24	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/30/22 13:24	1
Dibromofluoromethane (Surr)	107		70 - 130		05/30/22 13:24	1
4-Bromofluorobenzene (Surr)	89		70 - 130		05/30/22 13:24	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	18		1.1	0.30	ug/L			05/25/22 15:17	1
Ethene	10		1.0	0.31	ug/L			05/25/22 15:17	1
Methane (TCD)	58000		3900	590	ug/L			05/26/22 13:29	10

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-215822-8

Date Collected: 05/16/22 14:23

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 18:37	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 18:37	1
Benzene	0.92	J	1.0	0.27	ug/L			05/27/22 18:37	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 18:37	1

Eurofins Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-215822-8

Date Collected: 05/16/22 14:23

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 18:37	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 18:37	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 18:37	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 18:37	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 18:37	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 18:37	1
Chlorobenzene	15		1.0	0.15	ug/L			05/27/22 18:37	1
Chloroethane	10		5.0	4.6	ug/L			05/27/22 18:37	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 18:37	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/27/22 18:37	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 18:37	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 18:37	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:37	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 18:37	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 18:37	1
1,4-Dichlorobenzene	0.39	J	1.0	0.31	ug/L			05/27/22 18:37	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/27/22 18:37	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:37	1
1,2-Dichloroethane	1.0		1.0	0.25	ug/L			05/27/22 18:37	1
cis-1,2-Dichloroethene	0.85	J	1.0	0.25	ug/L			05/27/22 18:37	1
trans-1,2-Dichloroethene	2.8		1.0	0.34	ug/L			05/27/22 18:37	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 18:37	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 18:37	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 18:37	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 18:37	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 18:37	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 18:37	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 18:37	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 18:37	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 18:37	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 18:37	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 18:37	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 18:37	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 18:37	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 18:37	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 18:37	1
Toluene	0.27	J	1.0	0.25	ug/L			05/27/22 18:37	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 18:37	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 18:37	1
Trichloroethene	2.5		1.0	0.20	ug/L			05/27/22 18:37	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:37	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 18:37	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/27/22 18:37	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 18:37	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		05/27/22 18:37	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/27/22 18:37	1
Dibromofluoromethane (Surr)	106		70 - 130		05/27/22 18:37	1

Eurofins Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-215822-8

Date Collected: 05/16/22 14:23

Matrix: Water

Date Received: 05/20/22 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		05/27/22 18:37	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	22		1.1	0.30	ug/L			05/25/22 15:30	1
Ethene	18		1.0	0.31	ug/L			05/25/22 15:30	1
Methane (TCD)	22000		390	59	ug/L			05/25/22 15:30	1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-215822-9

Date Collected: 05/16/22 14:27

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 18:57	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 18:57	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 18:57	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 18:57	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 18:57	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 18:57	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 18:57	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 18:57	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 18:57	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 18:57	1
Chlorobenzene	2.2		1.0	0.15	ug/L			05/27/22 18:57	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 18:57	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 18:57	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/27/22 18:57	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 18:57	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 18:57	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:57	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 18:57	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 18:57	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 18:57	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/27/22 18:57	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:57	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 18:57	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/27/22 18:57	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 18:57	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 18:57	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 18:57	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 18:57	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 18:57	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 18:57	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 18:57	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 18:57	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 18:57	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 18:57	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 18:57	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 18:57	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-215822-9

Date Collected: 05/16/22 14:27

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 18:57	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 18:57	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 18:57	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 18:57	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 18:57	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 18:57	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 18:57	1
Trichloroethene	0.75	J	1.0	0.20	ug/L			05/27/22 18:57	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:57	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 18:57	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/27/22 18:57	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 18:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	118		70 - 130		05/27/22 18:57	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/27/22 18:57	1
Dibromofluoromethane (Surr)	105		70 - 130		05/27/22 18:57	1
4-Bromofluorobenzene (Surr)	93		70 - 130		05/27/22 18:57	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	4.4		1.1	0.30	ug/L			05/25/22 15:43	1
Ethene	6.1		1.0	0.31	ug/L			05/25/22 15:43	1
Methane (TCD)	48000		3900	590	ug/L			05/26/22 13:42	10

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-215822-10

Date Collected: 05/16/22 14:31

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 17:34	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 17:34	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 17:34	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 17:34	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 17:34	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 17:34	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 17:34	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 17:34	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 17:34	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 17:34	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 17:34	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 17:34	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 17:34	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 17:34	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 17:34	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 17:34	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 17:34	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 17:34	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-215822-10

Date Collected: 05/16/22 14:31

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 17:34	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 17:34	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			05/27/22 17:34	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 17:34	1
1,2-Dichloroethane	0.33	J	1.0	0.25	ug/L			05/27/22 17:34	1
cis-1,2-Dichloroethene	3.1		1.0	0.25	ug/L			05/27/22 17:34	1
trans-1,2-Dichloroethene	1.2		1.0	0.34	ug/L			05/27/22 17:34	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 17:34	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 17:34	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 17:34	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 17:34	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 17:34	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 17:34	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 17:34	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 17:34	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 17:34	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 17:34	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 17:34	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 17:34	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 17:34	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 17:34	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 17:34	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 17:34	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 17:34	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 17:34	1
Trichloroethene	15		1.0	0.20	ug/L			05/27/22 17:34	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 17:34	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 17:34	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 17:34	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 17:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 17:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		05/27/22 17:34	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 124		05/27/22 17:34	1
Dibromofluoromethane (Surr)	109		70 - 130		05/27/22 17:34	1
4-Bromofluorobenzene (Surr)	104		70 - 130		05/27/22 17:34	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	1.1		1.1	0.30	ug/L			05/25/22 15:56	1
Ethene	5.1		1.0	0.31	ug/L			05/25/22 15:56	1
Methane (TCD)	4000		390	59	ug/L			05/25/22 15:56	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-215822-11

Date Collected: 05/16/22 14:35

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 17:58	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 17:58	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 17:58	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 17:58	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 17:58	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 17:58	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 17:58	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 17:58	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 17:58	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 17:58	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 17:58	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 17:58	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 17:58	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 17:58	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 17:58	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 17:58	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 17:58	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 17:58	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 17:58	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 17:58	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 17:58	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 17:58	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 17:58	1
cis-1,2-Dichloroethene	0.66	J	1.0	0.25	ug/L			05/27/22 17:58	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 17:58	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 17:58	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 17:58	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 17:58	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 17:58	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 17:58	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 17:58	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 17:58	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 17:58	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 17:58	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 17:58	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 17:58	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 17:58	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 17:58	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 17:58	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 17:58	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 17:58	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 17:58	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 17:58	1
Trichloroethene	3.9		1.0	0.20	ug/L			05/27/22 17:58	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 17:58	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 17:58	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 17:58	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 17:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 17:58	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-215822-11

Date Collected: 05/16/22 14:35

Matrix: Water

Date Received: 05/20/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		05/27/22 17:58	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		05/27/22 17:58	1
Dibromofluoromethane (Surr)	113		70 - 130		05/27/22 17:58	1
4-Bromofluorobenzene (Surr)	104		70 - 130		05/27/22 17:58	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	220		0.58	0.57	ug/L			05/25/22 16:09	1
Ethane	0.30	U	1.1	0.30	ug/L			05/25/22 16:09	1
Ethene	0.31	J	1.0	0.31	ug/L			05/25/22 16:09	1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-215822-12

Date Collected: 05/16/22 12:11

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 18:45	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 18:45	1
Benzene	0.41	J	1.0	0.27	ug/L			05/27/22 18:45	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 18:45	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 18:45	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 18:45	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 18:45	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 18:45	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 18:45	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 18:45	1
Chlorobenzene	56		1.0	0.15	ug/L			05/27/22 18:45	1
Chloroethane	8.6		5.0	4.6	ug/L			05/27/22 18:45	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 18:45	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 18:45	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 18:45	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 18:45	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:45	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 18:45	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 18:45	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 18:45	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			05/27/22 18:45	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 18:45	1
1,2-Dichloroethane	2.5		1.0	0.25	ug/L			05/27/22 18:45	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/27/22 18:45	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 18:45	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 18:45	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 18:45	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 18:45	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 18:45	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 18:45	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 18:45	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 18:45	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 18:45	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 18:45	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-215822-12

Date Collected: 05/16/22 12:11

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 18:45	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 18:45	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 18:45	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 18:45	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 18:45	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 18:45	1
Toluene	0.82	J	1.0	0.25	ug/L			05/27/22 18:45	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 18:45	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 18:45	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/27/22 18:45	1
Trichlorofluoromethane	0.33	U *	1.0	0.33	ug/L			05/27/22 18:45	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 18:45	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 18:45	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 18:45	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		05/27/22 18:45	1
1,2-Dichloroethane-d4 (Surr)	113		60 - 124		05/27/22 18:45	1
Dibromofluoromethane (Surr)	114		70 - 130		05/27/22 18:45	1
4-Bromofluorobenzene (Surr)	102		70 - 130		05/27/22 18:45	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	60		1.1	0.30	ug/L			05/25/22 16:22	1
Ethene	11		1.0	0.31	ug/L			05/25/22 16:22	1
Methane (TCD)	9400		390	59	ug/L			05/25/22 16:22	1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-215822-13

Date Collected: 05/16/22 12:15

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 19:08	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 19:08	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 19:08	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 19:08	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 19:08	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 19:08	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 19:08	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 19:08	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 19:08	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 19:08	1
Chlorobenzene	7.7		1.0	0.15	ug/L			05/27/22 19:08	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 19:08	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 19:08	1
Chloromethane	0.54	U *	1.0	0.54	ug/L			05/27/22 19:08	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 19:08	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 19:08	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-215822-13

Date Collected: 05/16/22 12:15

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 19:08	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 19:08	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 19:08	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 19:08	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 19:08	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 19:08	1
1,2-Dichloroethane	0.36	J	1.0	0.25	ug/L			05/27/22 19:08	1
cis-1,2-Dichloroethene	1.0		1.0	0.25	ug/L			05/27/22 19:08	1
trans-1,2-Dichloroethene	1.3		1.0	0.34	ug/L			05/27/22 19:08	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 19:08	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 19:08	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 19:08	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 19:08	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 19:08	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 19:08	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 19:08	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 19:08	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 19:08	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 19:08	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 19:08	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 19:08	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 19:08	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 19:08	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 19:08	1
Toluene	0.34	J	1.0	0.25	ug/L			05/27/22 19:08	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 19:08	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 19:08	1
Trichloroethene	1.2		1.0	0.20	ug/L			05/27/22 19:08	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 19:08	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 19:08	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 19:08	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 19:08	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		05/27/22 19:08	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		05/27/22 19:08	1
Dibromofluoromethane (Surr)	113		70 - 130		05/27/22 19:08	1
4-Bromofluorobenzene (Surr)	102		70 - 130		05/27/22 19:08	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	280		0.58	0.57	ug/L			05/25/22 16:38	1
Ethane	1.8		1.1	0.30	ug/L			05/25/22 16:38	1
Ethene	0.31	U	1.0	0.31	ug/L			05/25/22 16:38	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-215822-14

Date Collected: 05/16/22 12:19

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 19:31	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 19:31	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 19:31	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 19:31	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 19:31	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 19:31	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 19:31	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 19:31	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 19:31	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 19:31	1
Chlorobenzene	2.6		1.0	0.15	ug/L			05/27/22 19:31	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 19:31	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 19:31	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 19:31	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 19:31	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 19:31	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 19:31	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 19:31	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 19:31	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 19:31	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 19:31	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 19:31	1
1,2-Dichloroethane	0.31	J	1.0	0.25	ug/L			05/27/22 19:31	1
cis-1,2-Dichloroethene	6.0		1.0	0.25	ug/L			05/27/22 19:31	1
trans-1,2-Dichloroethene	3.5		1.0	0.34	ug/L			05/27/22 19:31	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 19:31	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 19:31	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 19:31	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 19:31	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 19:31	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 19:31	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 19:31	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 19:31	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 19:31	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 19:31	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 19:31	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 19:31	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 19:31	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 19:31	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 19:31	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 19:31	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 19:31	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 19:31	1
Trichloroethene	18		1.0	0.20	ug/L			05/27/22 19:31	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 19:31	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 19:31	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 19:31	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 19:31	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 19:31	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-215822-14

Date Collected: 05/16/22 12:19

Matrix: Water

Date Received: 05/20/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		05/27/22 19:31	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		05/27/22 19:31	1
Dibromofluoromethane (Surr)	113		70 - 130		05/27/22 19:31	1
4-Bromofluorobenzene (Surr)	101		70 - 130		05/27/22 19:31	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	4.2		1.1	0.30	ug/L			05/25/22 16:50	1
Ethene	4.2		1.0	0.31	ug/L			05/25/22 16:50	1
Methane (TCD)	6800		390	59	ug/L			05/25/22 16:50	1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-215822-15

Date Collected: 05/16/22 12:23

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 19:55	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 19:55	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 19:55	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 19:55	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 19:55	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 19:55	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 19:55	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 19:55	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 19:55	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 19:55	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 19:55	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 19:55	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 19:55	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 19:55	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 19:55	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 19:55	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 19:55	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 19:55	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 19:55	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 19:55	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			05/27/22 19:55	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 19:55	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 19:55	1
cis-1,2-Dichloroethene	0.95	J	1.0	0.25	ug/L			05/27/22 19:55	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 19:55	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 19:55	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 19:55	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 19:55	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 19:55	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 19:55	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 19:55	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 19:55	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 19:55	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 19:55	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-215822-15

Date Collected: 05/16/22 12:23

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 19:55	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 19:55	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 19:55	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 19:55	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 19:55	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 19:55	1
Toluene	0.32	J	1.0	0.25	ug/L			05/27/22 19:55	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 19:55	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 19:55	1
Trichloroethene	6.1		1.0	0.20	ug/L			05/27/22 19:55	1
Trichlorofluoromethane	0.33	U *	1.0	0.33	ug/L			05/27/22 19:55	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 19:55	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 19:55	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 19:55	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 19:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		05/27/22 19:55	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		05/27/22 19:55	1
Dibromofluoromethane (Surr)	112		70 - 130		05/27/22 19:55	1
4-Bromofluorobenzene (Surr)	103		70 - 130		05/27/22 19:55	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.30	U	1.1	0.30	ug/L			05/25/22 17:03	1
Ethene	1.1		1.0	0.31	ug/L			05/25/22 17:03	1
Methane (TCD)	1100		390	59	ug/L			05/25/22 17:03	1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-215822-16

Date Collected: 05/16/22 12:27

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 20:18	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 20:18	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 20:18	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 20:18	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 20:18	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 20:18	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 20:18	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 20:18	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 20:18	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 20:18	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 20:18	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 20:18	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 20:18	1
Chloromethane	0.54	U *	1.0	0.54	ug/L			05/27/22 20:18	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 20:18	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 20:18	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-215822-16

Date Collected: 05/16/22 12:27

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 20:18	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 20:18	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 20:18	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 20:18	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 20:18	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 20:18	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 20:18	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/27/22 20:18	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 20:18	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 20:18	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 20:18	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 20:18	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 20:18	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 20:18	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 20:18	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 20:18	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 20:18	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 20:18	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 20:18	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 20:18	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 20:18	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 20:18	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 20:18	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 20:18	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 20:18	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 20:18	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 20:18	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/27/22 20:18	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 20:18	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 20:18	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 20:18	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 20:18	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		05/27/22 20:18	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 124		05/27/22 20:18	1
Dibromofluoromethane (Surr)	110		70 - 130		05/27/22 20:18	1
4-Bromofluorobenzene (Surr)	101		70 - 130		05/27/22 20:18	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	83		0.58	0.57	ug/L			05/25/22 17:16	1
Ethane	0.30	U	1.1	0.30	ug/L			05/25/22 17:16	1
Ethene	0.31	U	1.0	0.31	ug/L			05/25/22 17:16	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G19

Lab Sample ID: 680-215822-17

Date Collected: 05/18/22 12:33

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 14:40	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 14:40	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 14:40	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 14:40	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 14:40	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 14:40	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 14:40	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 14:40	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 14:40	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 14:40	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/30/22 14:40	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 14:40	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 14:40	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 14:40	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 14:40	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 14:40	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 14:40	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 14:40	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 14:40	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 14:40	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 14:40	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 14:40	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/30/22 14:40	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/30/22 14:40	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/30/22 14:40	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 14:40	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 14:40	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 14:40	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 14:40	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 14:40	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 14:40	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 14:40	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 14:40	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 14:40	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 14:40	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 14:40	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 14:40	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 14:40	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 14:40	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 14:40	1
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 14:40	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 14:40	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 14:40	1
Trichloroethene	0.27	J	1.0	0.20	ug/L			05/30/22 14:40	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 14:40	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 14:40	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 14:40	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 14:40	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 14:40	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G19

Lab Sample ID: 680-215822-17

Date Collected: 05/18/22 12:33

Matrix: Water

Date Received: 05/20/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	115		70 - 130		05/30/22 14:40	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		05/30/22 14:40	1
Dibromofluoromethane (Surr)	109		70 - 130		05/30/22 14:40	1
4-Bromofluorobenzene (Surr)	89		70 - 130		05/30/22 14:40	1

Client Sample ID: DUP399

Lab Sample ID: 680-215822-18

Date Collected: 05/18/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 14:59	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 14:59	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 14:59	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 14:59	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 14:59	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 14:59	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 14:59	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 14:59	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 14:59	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 14:59	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/30/22 14:59	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 14:59	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 14:59	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 14:59	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 14:59	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 14:59	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 14:59	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 14:59	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 14:59	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 14:59	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 14:59	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 14:59	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/30/22 14:59	1
cis-1,2-Dichloroethene	1.1		1.0	0.25	ug/L			05/30/22 14:59	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/30/22 14:59	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 14:59	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 14:59	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 14:59	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 14:59	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 14:59	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 14:59	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 14:59	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 14:59	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 14:59	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 14:59	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 14:59	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 14:59	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 14:59	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 14:59	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: DUP399

Lab Sample ID: 680-215822-18

Date Collected: 05/18/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 14:59	1
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 14:59	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 14:59	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 14:59	1
Trichloroethene	9.1		1.0	0.20	ug/L			05/30/22 14:59	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 14:59	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 14:59	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 14:59	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 14:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	116		70 - 130		05/30/22 14:59	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		05/30/22 14:59	1
Dibromofluoromethane (Surr)	110		70 - 130		05/30/22 14:59	1
4-Bromofluorobenzene (Surr)	91		70 - 130		05/30/22 14:59	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.30	U	1.1	0.30	ug/L			05/26/22 13:55	1
Ethene	1.2		1.0	0.31	ug/L			05/26/22 13:55	1
Methane (TCD)	1100		390	59	ug/L			05/26/22 13:55	1

Client Sample ID: TB598

Lab Sample ID: 680-215822-19

Date Collected: 05/19/22 10:00

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/01/22 13:37	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 13:37	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 13:37	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 13:37	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 13:37	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 13:37	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 13:37	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 13:37	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 13:37	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 13:37	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 13:37	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 13:37	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 13:37	1
Chloromethane	0.54	U *	1.0	0.54	ug/L			06/01/22 13:37	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 13:37	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			06/01/22 13:37	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 13:37	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 13:37	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 13:37	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 13:37	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			06/01/22 13:37	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: TB598

Lab Sample ID: 680-215822-19

Date Collected: 05/19/22 10:00

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 13:37	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 13:37	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 13:37	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 13:37	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 13:37	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 13:37	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 13:37	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 13:37	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 13:37	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 13:37	1
2-Hexanone	3.2	U *	10	3.2	ug/L			06/01/22 13:37	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 13:37	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 13:37	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 13:37	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 13:37	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 13:37	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 13:37	1
1,1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 13:37	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 13:37	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 13:37	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 13:37	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 13:37	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/01/22 13:37	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/01/22 13:37	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 13:37	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/01/22 13:37	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 13:37	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 13:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130					06/01/22 13:37	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124					06/01/22 13:37	1
Dibromofluoromethane (Surr)	113		70 - 130					06/01/22 13:37	1
4-Bromofluorobenzene (Surr)	102		70 - 130					06/01/22 13:37	1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-215822-20

Date Collected: 05/16/22 09:35

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 20:42	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 20:42	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 20:42	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 20:42	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 20:42	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 20:42	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 20:42	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 20:42	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 20:42	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-215822-20

Date Collected: 05/16/22 09:35

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 20:42	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 20:42	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 20:42	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 20:42	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 20:42	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 20:42	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 20:42	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 20:42	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 20:42	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 20:42	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 20:42	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 20:42	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 20:42	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 20:42	1
cis-1,2-Dichloroethene	1.9		1.0	0.25	ug/L			05/27/22 20:42	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 20:42	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 20:42	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 20:42	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 20:42	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 20:42	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 20:42	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 20:42	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 20:42	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 20:42	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 20:42	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 20:42	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 20:42	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 20:42	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 20:42	1
1,1,2,2-Tetrachloroethane	5.5		1.0	0.40	ug/L			05/27/22 20:42	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 20:42	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 20:42	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 20:42	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 20:42	1
Trichloroethene	2.8		1.0	0.20	ug/L			05/27/22 20:42	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 20:42	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 20:42	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 20:42	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 20:42	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		05/27/22 20:42	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 124		05/27/22 20:42	1
Dibromofluoromethane (Surr)	112		70 - 130		05/27/22 20:42	1
4-Bromofluorobenzene (Surr)	101		70 - 130		05/27/22 20:42	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-215822-21

Date Collected: 05/16/22 09:37

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 13:42	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 13:42	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 13:42	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 13:42	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 13:42	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 13:42	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 13:42	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 13:42	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 13:42	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 13:42	1
Chlorobenzene	11		1.0	0.15	ug/L			05/30/22 13:42	1
Chloroethane	5.8		5.0	4.6	ug/L			05/30/22 13:42	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 13:42	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 13:42	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 13:42	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 13:42	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 13:42	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 13:42	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 13:42	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 13:42	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 13:42	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 13:42	1
1,2-Dichloroethane	0.62	J	1.0	0.25	ug/L			05/30/22 13:42	1
cis-1,2-Dichloroethene	34		1.0	0.25	ug/L			05/30/22 13:42	1
trans-1,2-Dichloroethene	27		1.0	0.34	ug/L			05/30/22 13:42	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 13:42	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 13:42	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 13:42	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 13:42	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 13:42	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 13:42	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 13:42	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 13:42	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 13:42	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 13:42	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 13:42	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 13:42	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 13:42	1
1,1,2,2-Tetrachloroethane	16		1.0	0.40	ug/L			05/30/22 13:42	1
Tetrachloroethylene	0.57		0.50	0.35	ug/L			05/30/22 13:42	1
Toluene	0.51	J	1.0	0.25	ug/L			05/30/22 13:42	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 13:42	1
1,1,2-Trichloroethane	0.81	J	1.0	0.32	ug/L			05/30/22 13:42	1
Trichloroethene	75		1.0	0.20	ug/L			05/30/22 13:42	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 13:42	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 13:42	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 13:42	1
Vinyl chloride	4.1		1.0	0.40	ug/L			05/30/22 13:42	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 13:42	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-215822-21

Date Collected: 05/16/22 09:37

Matrix: Water

Date Received: 05/20/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		05/30/22 13:42	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		05/30/22 13:42	1
Dibromofluoromethane (Surr)	107		70 - 130		05/30/22 13:42	1
4-Bromofluorobenzene (Surr)	90		70 - 130		05/30/22 13:42	1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-215822-22

Date Collected: 05/16/22 09:39

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 21:05	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 21:05	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 21:05	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 21:05	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 21:05	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 21:05	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 21:05	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 21:05	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 21:05	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 21:05	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 21:05	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 21:05	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 21:05	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 21:05	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 21:05	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 21:05	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 21:05	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 21:05	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 21:05	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 21:05	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 21:05	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 21:05	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 21:05	1
cis-1,2-Dichloroethene	0.97	J	1.0	0.25	ug/L			05/27/22 21:05	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 21:05	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 21:05	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 21:05	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 21:05	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 21:05	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 21:05	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 21:05	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 21:05	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 21:05	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 21:05	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 21:05	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 21:05	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 21:05	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 21:05	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 21:05	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-215822-22

Date Collected: 05/16/22 09:39

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 21:05	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 21:05	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 21:05	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 21:05	1
Trichloroethene	7.9		1.0	0.20	ug/L			05/27/22 21:05	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 21:05	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 21:05	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 21:05	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 21:05	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		05/27/22 21:05	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 124		05/27/22 21:05	1
Dibromofluoromethane (Surr)	111		70 - 130		05/27/22 21:05	1
4-Bromofluorobenzene (Surr)	103		70 - 130		05/27/22 21:05	1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-215822-23

Date Collected: 05/16/22 09:41

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 21:29	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 21:29	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 21:29	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 21:29	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 21:29	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 21:29	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 21:29	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 21:29	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 21:29	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 21:29	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 21:29	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 21:29	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 21:29	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/27/22 21:29	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 21:29	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 21:29	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 21:29	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 21:29	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 21:29	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 21:29	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 21:29	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 21:29	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 21:29	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/27/22 21:29	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 21:29	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 21:29	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 21:29	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-215822-23

Date Collected: 05/16/22 09:41

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 21:29	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 21:29	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 21:29	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 21:29	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 21:29	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 21:29	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 21:29	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 21:29	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 21:29	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 21:29	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 21:29	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 21:29	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 21:29	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 21:29	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 21:29	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 21:29	1
Trichloroethene	1.5		1.0	0.20	ug/L			05/27/22 21:29	1
Trichlorofluoromethane	0.33	U *	1.0	0.33	ug/L			05/27/22 21:29	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 21:29	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 21:29	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 21:29	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		05/27/22 21:29	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 124		05/27/22 21:29	1
Dibromofluoromethane (Surr)	111		70 - 130		05/27/22 21:29	1
4-Bromofluorobenzene (Surr)	104		70 - 130		05/27/22 21:29	1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-215822-24

Date Collected: 05/16/22 09:43

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 21:52	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 21:52	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 21:52	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 21:52	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 21:52	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 21:52	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 21:52	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 21:52	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 21:52	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 21:52	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 21:52	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 21:52	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 21:52	1
Chloromethane	0.54	U *	1.0	0.54	ug/L			05/27/22 21:52	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 21:52	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-215822-24

Date Collected: 05/16/22 09:43

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 21:52	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 21:52	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 21:52	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 21:52	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 21:52	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/27/22 21:52	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 21:52	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 21:52	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/27/22 21:52	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 21:52	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 21:52	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 21:52	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 21:52	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 21:52	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 21:52	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 21:52	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 21:52	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 21:52	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 21:52	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 21:52	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 21:52	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 21:52	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 21:52	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 21:52	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 21:52	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 21:52	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 21:52	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 21:52	1
Trichloroethene	0.62	J	1.0	0.20	ug/L			05/27/22 21:52	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/27/22 21:52	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 21:52	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 21:52	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 21:52	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 21:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		05/27/22 21:52	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		05/27/22 21:52	1
Dibromofluoromethane (Surr)	112		70 - 130		05/27/22 21:52	1
4-Bromofluorobenzene (Surr)	101		70 - 130		05/27/22 21:52	1

Client Sample ID: OLF-G21

Lab Sample ID: 680-215822-25

Date Collected: 05/18/22 14:50

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 15:37	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 15:37	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 15:37	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G21

Lab Sample ID: 680-215822-25

Date Collected: 05/18/22 14:50

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 15:37	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 15:37	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 15:37	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 15:37	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 15:37	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 15:37	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 15:37	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/30/22 15:37	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 15:37	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 15:37	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 15:37	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 15:37	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 15:37	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 15:37	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 15:37	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 15:37	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 15:37	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 15:37	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 15:37	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/30/22 15:37	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/30/22 15:37	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/30/22 15:37	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 15:37	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 15:37	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 15:37	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 15:37	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 15:37	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 15:37	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 15:37	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 15:37	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 15:37	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 15:37	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 15:37	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 15:37	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 15:37	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 15:37	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 15:37	1
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 15:37	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 15:37	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 15:37	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/30/22 15:37	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 15:37	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 15:37	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 15:37	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 15:37	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	117		70 - 130		05/30/22 15:37	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		05/30/22 15:37	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G21

Lab Sample ID: 680-215822-25

Date Collected: 05/18/22 14:50

Matrix: Water

Date Received: 05/20/22 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		70 - 130		05/30/22 15:37	1
4-Bromofluorobenzene (Surr)	89		70 - 130		05/30/22 15:37	1

Client Sample ID: OLF-G36

Lab Sample ID: 680-215822-26

Date Collected: 05/18/22 10:10

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 15:18	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 15:18	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 15:18	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 15:18	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 15:18	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 15:18	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 15:18	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 15:18	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 15:18	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 15:18	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/30/22 15:18	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 15:18	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 15:18	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 15:18	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 15:18	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 15:18	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 15:18	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 15:18	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 15:18	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 15:18	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 15:18	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 15:18	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/30/22 15:18	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/30/22 15:18	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/30/22 15:18	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 15:18	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 15:18	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 15:18	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 15:18	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 15:18	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 15:18	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 15:18	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 15:18	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 15:18	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 15:18	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 15:18	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 15:18	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 15:18	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 15:18	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 15:18	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G36

Lab Sample ID: 680-215822-26

Date Collected: 05/18/22 10:10

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 15:18	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 15:18	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 15:18	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/30/22 15:18	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 15:18	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 15:18	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 15:18	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 15:18	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	117		70 - 130		05/30/22 15:18	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		05/30/22 15:18	1
Dibromofluoromethane (Surr)	110		70 - 130		05/30/22 15:18	1
4-Bromofluorobenzene (Surr)	88		70 - 130		05/30/22 15:18	1

Client Sample ID: OLF-G24

Lab Sample ID: 680-215822-27

Date Collected: 05/17/22 12:25

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/28/22 19:46	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/28/22 19:46	1
Benzene	0.27	U	1.0	0.27	ug/L			05/28/22 19:46	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/28/22 19:46	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/28/22 19:46	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/28/22 19:46	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/28/22 19:46	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/28/22 19:46	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/28/22 19:46	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/28/22 19:46	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/28/22 19:46	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/28/22 19:46	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/28/22 19:46	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/28/22 19:46	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/28/22 19:46	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			05/28/22 19:46	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/28/22 19:46	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/28/22 19:46	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 19:46	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 19:46	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/28/22 19:46	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/28/22 19:46	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/28/22 19:46	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/28/22 19:46	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/28/22 19:46	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/28/22 19:46	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/28/22 19:46	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/28/22 19:46	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G24

Lab Sample ID: 680-215822-27

Date Collected: 05/17/22 12:25

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/28/22 19:46	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/28/22 19:46	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/28/22 19:46	1
2-Hexanone	3.2	U *	10	3.2	ug/L			05/28/22 19:46	1
Iodomethane	3.9	U	10	3.9	ug/L			05/28/22 19:46	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/28/22 19:46	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/28/22 19:46	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/28/22 19:46	1
Styrene	0.27	U	1.0	0.27	ug/L			05/28/22 19:46	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/28/22 19:46	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/28/22 19:46	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/28/22 19:46	1
Toluene	0.25	U	1.0	0.25	ug/L			05/28/22 19:46	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/28/22 19:46	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/28/22 19:46	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/28/22 19:46	1
Trichlorofluoromethane	0.33	U *	1.0	0.33	ug/L			05/28/22 19:46	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/28/22 19:46	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/28/22 19:46	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/28/22 19:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/28/22 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		05/28/22 19:46	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		05/28/22 19:46	1
Dibromofluoromethane (Surr)	111		70 - 130		05/28/22 19:46	1
4-Bromofluorobenzene (Surr)	103		70 - 130		05/28/22 19:46	1

Client Sample ID: OLF-G47

Lab Sample ID: 680-215822-28

Date Collected: 05/17/22 10:30

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/28/22 20:09	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/28/22 20:09	1
Benzene	0.27	U	1.0	0.27	ug/L			05/28/22 20:09	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/28/22 20:09	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/28/22 20:09	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/28/22 20:09	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/28/22 20:09	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/28/22 20:09	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/28/22 20:09	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/28/22 20:09	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/28/22 20:09	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/28/22 20:09	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/28/22 20:09	1
Chloromethane	0.54	U *	1.0	0.54	ug/L			05/28/22 20:09	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/28/22 20:09	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			05/28/22 20:09	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G47

Lab Sample ID: 680-215822-28

Date Collected: 05/17/22 10:30

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/28/22 20:09	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/28/22 20:09	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 20:09	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 20:09	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			05/28/22 20:09	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/28/22 20:09	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/28/22 20:09	1
cis-1,2-Dichloroethene	4.6		1.0	0.25	ug/L			05/28/22 20:09	1
trans-1,2-Dichloroethene	1.4		1.0	0.34	ug/L			05/28/22 20:09	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/28/22 20:09	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/28/22 20:09	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/28/22 20:09	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/28/22 20:09	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/28/22 20:09	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/28/22 20:09	1
2-Hexanone	3.2	U *-	10	3.2	ug/L			05/28/22 20:09	1
Iodomethane	3.9	U	10	3.9	ug/L			05/28/22 20:09	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/28/22 20:09	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/28/22 20:09	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/28/22 20:09	1
Styrene	0.27	U	1.0	0.27	ug/L			05/28/22 20:09	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/28/22 20:09	1
1,1,1,2-Tetrachloroethane	2.2		1.0	0.40	ug/L			05/28/22 20:09	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/28/22 20:09	1
Toluene	0.25	U	1.0	0.25	ug/L			05/28/22 20:09	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/28/22 20:09	1
1,1,2-Trichloroethane	0.33	J	1.0	0.32	ug/L			05/28/22 20:09	1
Trichloroethene	28		1.0	0.20	ug/L			05/28/22 20:09	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/28/22 20:09	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/28/22 20:09	1
Vinyl acetate	0.69	U *-	2.0	0.69	ug/L			05/28/22 20:09	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/28/22 20:09	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/28/22 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		05/28/22 20:09	1
1,2-Dichloroethane-d4 (Surr)	113		60 - 124		05/28/22 20:09	1
Dibromofluoromethane (Surr)	112		70 - 130		05/28/22 20:09	1
4-Bromofluorobenzene (Surr)	104		70 - 130		05/28/22 20:09	1

Client Sample ID: OLF-G48

Lab Sample ID: 680-215822-29

Date Collected: 05/17/22 09:20

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/28/22 20:33	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/28/22 20:33	1
Benzene	0.27	U	1.0	0.27	ug/L			05/28/22 20:33	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/28/22 20:33	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G48

Lab Sample ID: 680-215822-29

Date Collected: 05/17/22 09:20

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/28/22 20:33	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/28/22 20:33	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/28/22 20:33	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/28/22 20:33	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/28/22 20:33	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/28/22 20:33	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/28/22 20:33	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/28/22 20:33	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/28/22 20:33	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/28/22 20:33	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/28/22 20:33	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			05/28/22 20:33	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/28/22 20:33	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/28/22 20:33	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 20:33	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 20:33	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/28/22 20:33	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/28/22 20:33	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/28/22 20:33	1
cis-1,2-Dichloroethene	1.0		1.0	0.25	ug/L			05/28/22 20:33	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/28/22 20:33	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/28/22 20:33	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/28/22 20:33	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/28/22 20:33	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/28/22 20:33	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/28/22 20:33	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/28/22 20:33	1
2-Hexanone	3.2	U *	10	3.2	ug/L			05/28/22 20:33	1
Iodomethane	3.9	U	10	3.9	ug/L			05/28/22 20:33	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/28/22 20:33	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/28/22 20:33	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/28/22 20:33	1
Styrene	0.27	U	1.0	0.27	ug/L			05/28/22 20:33	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/28/22 20:33	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/28/22 20:33	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/28/22 20:33	1
Toluene	0.25	U	1.0	0.25	ug/L			05/28/22 20:33	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/28/22 20:33	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/28/22 20:33	1
Trichloroethene	3.2		1.0	0.20	ug/L			05/28/22 20:33	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/28/22 20:33	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/28/22 20:33	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/28/22 20:33	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/28/22 20:33	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/28/22 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		05/28/22 20:33	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 124		05/28/22 20:33	1
Dibromofluoromethane (Surr)	112		70 - 130		05/28/22 20:33	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G48

Lab Sample ID: 680-215822-29

Date Collected: 05/17/22 09:20

Matrix: Water

Date Received: 05/20/22 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		05/28/22 20:33	1

Client Sample ID: OLF-G12

Lab Sample ID: 680-215822-30

Date Collected: 05/18/22 11:05

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19	U	50	19	ug/L			05/30/22 15:56	5
Acrylonitrile	28	U	100	28	ug/L			05/30/22 15:56	5
Benzene	1.4	U	5.0	1.4	ug/L			05/30/22 15:56	5
Bromochloromethane	1.7	U	5.0	1.7	ug/L			05/30/22 15:56	5
Bromodichloromethane	1.3	U	5.0	1.3	ug/L			05/30/22 15:56	5
Bromoform	3.0	U	5.0	3.0	ug/L			05/30/22 15:56	5
Bromomethane	19	U	25	19	ug/L			05/30/22 15:56	5
2-Butanone (MEK)	32	U	50	32	ug/L			05/30/22 15:56	5
Carbon disulfide	2.2	U	10	2.2	ug/L			05/30/22 15:56	5
Carbon tetrachloride	1.5	U	5.0	1.5	ug/L			05/30/22 15:56	5
Chlorobenzene	0.75	U	5.0	0.75	ug/L			05/30/22 15:56	5
Chloroethane	23	U	25	23	ug/L			05/30/22 15:56	5
Chloroform	1.4	U	5.0	1.4	ug/L			05/30/22 15:56	5
Chloromethane	2.7	U	5.0	2.7	ug/L			05/30/22 15:56	5
Dibromochloromethane	2.0	U	5.0	2.0	ug/L			05/30/22 15:56	5
1,2-Dibromo-3-Chloropropane	9.0	U	25	9.0	ug/L			05/30/22 15:56	5
1,2-Dibromoethane	1.7	U	5.0	1.7	ug/L			05/30/22 15:56	5
Dibromomethane	1.7	U	5.0	1.7	ug/L			05/30/22 15:56	5
1,2-Dichlorobenzene	1.6	U	5.0	1.6	ug/L			05/30/22 15:56	5
1,4-Dichlorobenzene	1.6	U	5.0	1.6	ug/L			05/30/22 15:56	5
trans-1,4-Dichloro-2-butene	6.3	U	10	6.3	ug/L			05/30/22 15:56	5
1,1-Dichloroethane	1.7	U	5.0	1.7	ug/L			05/30/22 15:56	5
1,2-Dichloroethane	1.3	U	5.0	1.3	ug/L			05/30/22 15:56	5
cis-1,2-Dichloroethene	5.7		5.0	1.3	ug/L			05/30/22 15:56	5
trans-1,2-Dichloroethene	1.7	U	5.0	1.7	ug/L			05/30/22 15:56	5
1,1-Dichloroethene	1.7	U	5.0	1.7	ug/L			05/30/22 15:56	5
1,2-Dichloropropane	1.1	U	5.0	1.1	ug/L			05/30/22 15:56	5
1,3-Dichloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 15:56	5
cis-1,3-Dichloropropene	1.3	U	5.0	1.3	ug/L			05/30/22 15:56	5
trans-1,3-Dichloropropene	1.2	U	5.0	1.2	ug/L			05/30/22 15:56	5
Ethylbenzene	3.1	J	5.0	1.0	ug/L			05/30/22 15:56	5
2-Hexanone	16	U	50	16	ug/L			05/30/22 15:56	5
Iodomethane	20	U	50	20	ug/L			05/30/22 15:56	5
Methylene Chloride	16	U	25	16	ug/L			05/30/22 15:56	5
4-Methyl-2-pentanone (MIBK)	14	U	50	14	ug/L			05/30/22 15:56	5
Methyl tert-butyl ether	4.1	U	25	4.1	ug/L			05/30/22 15:56	5
Styrene	1.4	U	5.0	1.4	ug/L			05/30/22 15:56	5
1,1,1,2-Tetrachloroethane	1.8	U	5.0	1.8	ug/L			05/30/22 15:56	5
1,1,2,2-Tetrachloroethane	42		5.0	2.0	ug/L			05/30/22 15:56	5
Tetrachloroethylene	1.8	U	2.5	1.8	ug/L			05/30/22 15:56	5
Toluene	2.7	J	5.0	1.3	ug/L			05/30/22 15:56	5

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G12

Lab Sample ID: 680-215822-30

Date Collected: 05/18/22 11:05

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.1	U	5.0	1.1	ug/L			05/30/22 15:56	5
1,1,2-Trichloroethane	1.6	U	5.0	1.6	ug/L			05/30/22 15:56	5
Trichloroethene	41		5.0	1.0	ug/L			05/30/22 15:56	5
Trichlorofluoromethane	1.7	U	5.0	1.7	ug/L			05/30/22 15:56	5
1,2,3-Trichloropropane	2.4	U	5.0	2.4	ug/L			05/30/22 15:56	5
Vinyl acetate	3.5	U *	10	3.5	ug/L			05/30/22 15:56	5
Vinyl chloride	2.0	U	5.0	2.0	ug/L			05/30/22 15:56	5
Xylenes, Total	4.3	J	5.0	1.2	ug/L			05/30/22 15:56	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	117		70 - 130					05/30/22 15:56	5
1,2-Dichloroethane-d4 (Surr)	91		60 - 124					05/30/22 15:56	5
Dibromofluoromethane (Surr)	110		70 - 130					05/30/22 15:56	5
4-Bromofluorobenzene (Surr)	88		70 - 130					05/30/22 15:56	5

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.86	J	1.1	0.30	ug/L			05/26/22 14:08	1
Ethene	0.31	U	1.0	0.31	ug/L			05/26/22 14:08	1
Methane (TCD)	920		390	59	ug/L			05/26/22 14:08	1

Client Sample ID: OLF-G22

Lab Sample ID: 680-215822-31

Date Collected: 05/18/22 08:55

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/31/22 20:25	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/31/22 20:25	1
Benzene	0.27	U	1.0	0.27	ug/L			05/31/22 20:25	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/31/22 20:25	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/31/22 20:25	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/31/22 20:25	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/31/22 20:25	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/31/22 20:25	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/31/22 20:25	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/31/22 20:25	1
Chlorobenzene	7.5		1.0	0.15	ug/L			05/31/22 20:25	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/31/22 20:25	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/31/22 20:25	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/31/22 20:25	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/31/22 20:25	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/31/22 20:25	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/31/22 20:25	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/31/22 20:25	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/31/22 20:25	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/31/22 20:25	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/31/22 20:25	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/31/22 20:25	1
1,2-Dichloroethane	0.67	J	1.0	0.25	ug/L			05/31/22 20:25	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G22

Lab Sample ID: 680-215822-31

Date Collected: 05/18/22 08:55

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	16		1.0	0.25	ug/L			05/31/22 20:25	1
trans-1,2-Dichloroethene	5.5		1.0	0.34	ug/L			05/31/22 20:25	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/31/22 20:25	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/31/22 20:25	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/31/22 20:25	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/31/22 20:25	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/31/22 20:25	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/31/22 20:25	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/31/22 20:25	1
Iodomethane	3.9	U	10	3.9	ug/L			05/31/22 20:25	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/31/22 20:25	1
4-Methyl-2-pentanone (MIBK)	2.7	U *+	10	2.7	ug/L			05/31/22 20:25	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/31/22 20:25	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/22 20:25	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/31/22 20:25	1
1,1,2,2-Tetrachloroethane	10		1.0	0.40	ug/L			05/31/22 20:25	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/31/22 20:25	1
Toluene	0.25	U	1.0	0.25	ug/L			05/31/22 20:25	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/31/22 20:25	1
1,1,2-Trichloroethane	0.81	J	1.0	0.32	ug/L			05/31/22 20:25	1
Trichloroethene	46		1.0	0.20	ug/L			05/31/22 20:25	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/31/22 20:25	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/31/22 20:25	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/31/22 20:25	1
Vinyl chloride	0.66	J	1.0	0.40	ug/L			05/31/22 20:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/22 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		05/31/22 20:25	1
1,2-Dichloroethane-d4 (Surr)	96		60 - 124		05/31/22 20:25	1
Dibromofluoromethane (Surr)	108		70 - 130		05/31/22 20:25	1
4-Bromofluorobenzene (Surr)	90		70 - 130		05/31/22 20:25	1

Client Sample ID: OLF-G18

Lab Sample ID: 680-215822-32

Date Collected: 05/18/22 13:45

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 16:14	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 16:14	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 16:14	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 16:14	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 16:14	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 16:14	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 16:14	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 16:14	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 16:14	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 16:14	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/30/22 16:14	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G18

Lab Sample ID: 680-215822-32

Date Collected: 05/18/22 13:45

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 16:14	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 16:14	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 16:14	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 16:14	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 16:14	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:14	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 16:14	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 16:14	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 16:14	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 16:14	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:14	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/30/22 16:14	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/30/22 16:14	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/30/22 16:14	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 16:14	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 16:14	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 16:14	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 16:14	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 16:14	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 16:14	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 16:14	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 16:14	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 16:14	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 16:14	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 16:14	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 16:14	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 16:14	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 16:14	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 16:14	1
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 16:14	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 16:14	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 16:14	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/30/22 16:14	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:14	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 16:14	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 16:14	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 16:14	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	118		70 - 130		05/30/22 16:14	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		05/30/22 16:14	1
Dibromofluoromethane (Surr)	111		70 - 130		05/30/22 16:14	1
4-Bromofluorobenzene (Surr)	90		70 - 130		05/30/22 16:14	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G23

Lab Sample ID: 680-215822-33

Date Collected: 05/17/22 14:40

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/28/22 20:56	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/28/22 20:56	1
Benzene	0.27	U	1.0	0.27	ug/L			05/28/22 20:56	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/28/22 20:56	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/28/22 20:56	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/28/22 20:56	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/28/22 20:56	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/28/22 20:56	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/28/22 20:56	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/28/22 20:56	1
Chlorobenzene	9.5		1.0	0.15	ug/L			05/28/22 20:56	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/28/22 20:56	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/28/22 20:56	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/28/22 20:56	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/28/22 20:56	1
1,2-Dibromo-3-Chloropropane	1.8	U *-	5.0	1.8	ug/L			05/28/22 20:56	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/28/22 20:56	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/28/22 20:56	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 20:56	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 20:56	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			05/28/22 20:56	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/28/22 20:56	1
1,2-Dichloroethane	0.67	J	1.0	0.25	ug/L			05/28/22 20:56	1
cis-1,2-Dichloroethene	18		1.0	0.25	ug/L			05/28/22 20:56	1
trans-1,2-Dichloroethene	14		1.0	0.34	ug/L			05/28/22 20:56	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/28/22 20:56	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/28/22 20:56	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/28/22 20:56	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/28/22 20:56	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/28/22 20:56	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/28/22 20:56	1
2-Hexanone	3.2	U *-	10	3.2	ug/L			05/28/22 20:56	1
Iodomethane	3.9	U	10	3.9	ug/L			05/28/22 20:56	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/28/22 20:56	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/28/22 20:56	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/28/22 20:56	1
Styrene	0.27	U	1.0	0.27	ug/L			05/28/22 20:56	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/28/22 20:56	1
1,1,2,2-Tetrachloroethane	35		1.0	0.40	ug/L			05/28/22 20:56	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/28/22 20:56	1
Toluene	0.25	U	1.0	0.25	ug/L			05/28/22 20:56	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/28/22 20:56	1
1,1,2-Trichloroethane	1.2		1.0	0.32	ug/L			05/28/22 20:56	1
Trichloroethene	39		1.0	0.20	ug/L			05/28/22 20:56	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			05/28/22 20:56	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/28/22 20:56	1
Vinyl acetate	0.69	U *-	2.0	0.69	ug/L			05/28/22 20:56	1
Vinyl chloride	2.1		1.0	0.40	ug/L			05/28/22 20:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/28/22 20:56	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G23

Lab Sample ID: 680-215822-33

Date Collected: 05/17/22 14:40

Matrix: Water

Date Received: 05/20/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		05/28/22 20:56	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 124		05/28/22 20:56	1
Dibromofluoromethane (Surr)	111		70 - 130		05/28/22 20:56	1
4-Bromofluorobenzene (Surr)	104		70 - 130		05/28/22 20:56	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.2		1.1	0.30	ug/L			05/26/22 14:21	1
Ethene	0.31	U	1.0	0.31	ug/L			05/26/22 14:21	1
Methane (TCD)	1900		390	59	ug/L			05/26/22 14:21	1

Client Sample ID: OLF-G35

Lab Sample ID: 680-215822-34

Date Collected: 05/17/22 13:30

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/28/22 21:20	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/28/22 21:20	1
Benzene	0.27	U	1.0	0.27	ug/L			05/28/22 21:20	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/28/22 21:20	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/28/22 21:20	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/28/22 21:20	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/28/22 21:20	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/28/22 21:20	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/28/22 21:20	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/28/22 21:20	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/28/22 21:20	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/28/22 21:20	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/28/22 21:20	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/28/22 21:20	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/28/22 21:20	1
1,2-Dibromo-3-Chloropropane	1.8	U *-	5.0	1.8	ug/L			05/28/22 21:20	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/28/22 21:20	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/28/22 21:20	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 21:20	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 21:20	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			05/28/22 21:20	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/28/22 21:20	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/28/22 21:20	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/28/22 21:20	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/28/22 21:20	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/28/22 21:20	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/28/22 21:20	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/28/22 21:20	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/28/22 21:20	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/28/22 21:20	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/28/22 21:20	1
2-Hexanone	3.2	U *-	10	3.2	ug/L			05/28/22 21:20	1
Iodomethane	3.9	U	10	3.9	ug/L			05/28/22 21:20	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/28/22 21:20	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G35

Lab Sample ID: 680-215822-34

Date Collected: 05/17/22 13:30

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/28/22 21:20	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/28/22 21:20	1
Styrene	0.27	U	1.0	0.27	ug/L			05/28/22 21:20	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/28/22 21:20	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/28/22 21:20	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/28/22 21:20	1
Toluene	0.25	U	1.0	0.25	ug/L			05/28/22 21:20	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/28/22 21:20	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/28/22 21:20	1
Trichloroethene	1.8		1.0	0.20	ug/L			05/28/22 21:20	1
Trichlorofluoromethane	0.33	U *+	1.0	0.33	ug/L			05/28/22 21:20	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/28/22 21:20	1
Vinyl acetate	0.69	U *-	2.0	0.69	ug/L			05/28/22 21:20	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/28/22 21:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/28/22 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		05/28/22 21:20	1
1,2-Dichloroethane-d4 (Surr)	114		60 - 124		05/28/22 21:20	1
Dibromofluoromethane (Surr)	115		70 - 130		05/28/22 21:20	1
4-Bromofluorobenzene (Surr)	102		70 - 130		05/28/22 21:20	1

Client Sample ID: OLF-G31

Lab Sample ID: 680-215822-35

Date Collected: 05/18/22 17:15

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/31/22 15:52	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/31/22 15:52	1
Benzene	0.27	U	1.0	0.27	ug/L			05/31/22 15:52	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/31/22 15:52	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/31/22 15:52	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/31/22 15:52	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/31/22 15:52	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/31/22 15:52	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/31/22 15:52	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/31/22 15:52	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/31/22 15:52	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/31/22 15:52	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/31/22 15:52	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/31/22 15:52	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/31/22 15:52	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/31/22 15:52	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/31/22 15:52	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/31/22 15:52	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/31/22 15:52	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/31/22 15:52	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/31/22 15:52	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/31/22 15:52	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G31

Lab Sample ID: 680-215822-35

Date Collected: 05/18/22 17:15

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/31/22 15:52	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/31/22 15:52	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/31/22 15:52	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/31/22 15:52	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/31/22 15:52	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/31/22 15:52	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/31/22 15:52	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/31/22 15:52	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/31/22 15:52	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/31/22 15:52	1
Iodomethane	3.9	U *-	10	3.9	ug/L			05/31/22 15:52	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/31/22 15:52	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/31/22 15:52	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/31/22 15:52	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/22 15:52	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/31/22 15:52	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/31/22 15:52	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 15:34	1
Toluene	0.25	U	1.0	0.25	ug/L			05/31/22 15:52	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/31/22 15:52	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/31/22 15:52	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/31/22 15:52	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/31/22 15:52	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/31/22 15:52	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/31/22 15:52	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/31/22 15:52	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		05/31/22 15:52	1
Toluene-d8 (Surr)	114		70 - 130		06/01/22 15:34	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/31/22 15:52	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 124		06/01/22 15:34	1
Dibromofluoromethane (Surr)	105		70 - 130		05/31/22 15:52	1
Dibromofluoromethane (Surr)	113		70 - 130		06/01/22 15:34	1
4-Bromofluorobenzene (Surr)	89		70 - 130		05/31/22 15:52	1
4-Bromofluorobenzene (Surr)	104		70 - 130		06/01/22 15:34	1

Client Sample ID: OLF-G32

Lab Sample ID: 680-215822-36

Date Collected: 05/18/22 16:15

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 16:33	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 16:33	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 16:33	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 16:33	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 16:33	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 16:33	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-215822-36

Date Collected: 05/18/22 16:15

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 16:33	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 16:33	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 16:33	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 16:33	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/30/22 16:33	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 16:33	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 16:33	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 16:33	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 16:33	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 16:33	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:33	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 16:33	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 16:33	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 16:33	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 16:33	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:33	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/30/22 16:33	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/30/22 16:33	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/30/22 16:33	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 16:33	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 16:33	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 16:33	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 16:33	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 16:33	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 16:33	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 16:33	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 16:33	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 16:33	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 16:33	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 16:33	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 16:33	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 16:33	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 16:33	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 16:33	1
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 16:33	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 16:33	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 16:33	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/30/22 16:33	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:33	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 16:33	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 16:33	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 16:33	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	119		70 - 130		05/30/22 16:33	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		05/30/22 16:33	1
Dibromofluoromethane (Surr)	111		70 - 130		05/30/22 16:33	1
4-Bromofluorobenzene (Surr)	89		70 - 130		05/30/22 16:33	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: TB599

Lab Sample ID: 680-215822-37

Date Collected: 05/19/22 10:20

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 16:52	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 16:52	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 16:52	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 16:52	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 16:52	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 16:52	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 16:52	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 16:52	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 16:52	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 16:52	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/30/22 16:52	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 16:52	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 16:52	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 16:52	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 16:52	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 16:52	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:52	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 16:52	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 16:52	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 16:52	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 16:52	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:52	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/30/22 16:52	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/30/22 16:52	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/30/22 16:52	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 16:52	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 16:52	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 16:52	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 16:52	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 16:52	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 16:52	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 16:52	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 16:52	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 16:52	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 16:52	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 16:52	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 16:52	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 16:52	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 16:52	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 16:52	1
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 16:52	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 16:52	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 16:52	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/30/22 16:52	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 16:52	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 16:52	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 16:52	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 16:52	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 16:52	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: TB599

Lab Sample ID: 680-215822-37

Date Collected: 05/19/22 10:20

Matrix: Water

Date Received: 05/20/22 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	119		70 - 130		05/30/22 16:52	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		05/30/22 16:52	1
Dibromofluoromethane (Surr)	111		70 - 130		05/30/22 16:52	1
4-Bromofluorobenzene (Surr)	88		70 - 130		05/30/22 16:52	1

Client Sample ID: DUP395

Lab Sample ID: 680-215822-38

Date Collected: 05/18/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 17:12	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 17:12	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 17:12	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 17:12	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 17:12	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 17:12	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 17:12	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 17:12	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 17:12	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 17:12	1
Chlorobenzene	8.3		1.0	0.15	ug/L			05/30/22 17:12	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 17:12	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 17:12	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 17:12	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 17:12	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 17:12	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 17:12	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 17:12	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 17:12	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 17:12	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 17:12	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 17:12	1
1,2-Dichloroethane	0.80	J	1.0	0.25	ug/L			05/30/22 17:12	1
cis-1,2-Dichloroethene	18		1.0	0.25	ug/L			05/30/22 17:12	1
trans-1,2-Dichloroethene	7.1		1.0	0.34	ug/L			05/30/22 17:12	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 17:12	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 17:12	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 17:12	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 17:12	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 17:12	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 17:12	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 17:12	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 17:12	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 17:12	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 17:12	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 17:12	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 17:12	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 17:12	1
1,1,2,2-Tetrachloroethane	9.6		1.0	0.40	ug/L			05/30/22 17:12	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: DUP395

Lab Sample ID: 680-215822-38

Date Collected: 05/18/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.44	J	0.50	0.35	ug/L			05/30/22 17:12	1
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 17:12	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 17:12	1
1,1,2-Trichloroethane	1.1		1.0	0.32	ug/L			05/30/22 17:12	1
Trichloroethene	57		1.0	0.20	ug/L			05/30/22 17:12	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 17:12	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 17:12	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			05/30/22 17:12	1
Vinyl chloride	0.84	J	1.0	0.40	ug/L			05/30/22 17:12	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	118		70 - 130		05/30/22 17:12	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	93		60 - 124		05/30/22 17:12	1
<i>Dibromofluoromethane (Surr)</i>	111		70 - 130		05/30/22 17:12	1
<i>4-Bromofluorobenzene (Surr)</i>	89		70 - 130		05/30/22 17:12	1

Client Sample ID: DUP398

Lab Sample ID: 680-215822-39

Date Collected: 05/17/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/28/22 21:43	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/28/22 21:43	1
Benzene	0.27	U	1.0	0.27	ug/L			05/28/22 21:43	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/28/22 21:43	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/28/22 21:43	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/28/22 21:43	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/28/22 21:43	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/28/22 21:43	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/28/22 21:43	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/28/22 21:43	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/28/22 21:43	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/28/22 21:43	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/28/22 21:43	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			05/28/22 21:43	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/28/22 21:43	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			05/28/22 21:43	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/28/22 21:43	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/28/22 21:43	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 21:43	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 21:43	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			05/28/22 21:43	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/28/22 21:43	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/28/22 21:43	1
cis-1,2-Dichloroethene	0.96	J	1.0	0.25	ug/L			05/28/22 21:43	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/28/22 21:43	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/28/22 21:43	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/28/22 21:43	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: DUP398

Lab Sample ID: 680-215822-39

Date Collected: 05/17/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/28/22 21:43	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/28/22 21:43	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/28/22 21:43	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/28/22 21:43	1
2-Hexanone	3.2	U *-	10	3.2	ug/L			05/28/22 21:43	1
Iodomethane	3.9	U	10	3.9	ug/L			05/28/22 21:43	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/28/22 21:43	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/28/22 21:43	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/28/22 21:43	1
Styrene	0.27	U	1.0	0.27	ug/L			05/28/22 21:43	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/28/22 21:43	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/28/22 21:43	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/28/22 21:43	1
Toluene	0.25	U	1.0	0.25	ug/L			05/28/22 21:43	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/28/22 21:43	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/28/22 21:43	1
Trichloroethene	3.1		1.0	0.20	ug/L			05/28/22 21:43	1
Trichlorofluoromethane	0.33	U *+	1.0	0.33	ug/L			05/28/22 21:43	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/28/22 21:43	1
Vinyl acetate	0.69	U *-	2.0	0.69	ug/L			05/28/22 21:43	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/28/22 21:43	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/28/22 21:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		05/28/22 21:43	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		05/28/22 21:43	1
Dibromofluoromethane (Surr)	112		70 - 130		05/28/22 21:43	1
4-Bromofluorobenzene (Surr)	103		70 - 130		05/28/22 21:43	1

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-722996/9

Matrix: Water

Analysis Batch: 722996

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 14:27	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 14:27	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 14:27	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 14:27	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 14:27	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 14:27	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 14:27	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 14:27	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 14:27	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 14:27	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 14:27	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 14:27	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 14:27	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/27/22 14:27	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 14:27	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 14:27	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 14:27	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 14:27	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 14:27	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 14:27	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/27/22 14:27	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 14:27	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 14:27	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/27/22 14:27	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 14:27	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 14:27	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 14:27	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 14:27	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 14:27	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 14:27	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 14:27	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 14:27	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 14:27	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 14:27	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 14:27	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 14:27	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 14:27	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 14:27	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 14:27	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 14:27	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 14:27	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 14:27	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 14:27	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/27/22 14:27	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/27/22 14:27	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 14:27	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 14:27	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 14:27	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-722996/9

Matrix: Water

Analysis Batch: 722996

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 14:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130		05/27/22 14:27	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 124		05/27/22 14:27	1
Dibromofluoromethane (Surr)	112		70 - 130		05/27/22 14:27	1
4-Bromofluorobenzene (Surr)	103		70 - 130		05/27/22 14:27	1

Lab Sample ID: LCS 680-722996/4

Matrix: Water

Analysis Batch: 722996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	240		ug/L		96	67 - 120
Acrylonitrile	500	475		ug/L		95	70 - 130
Benzene	50.0	51.0		ug/L		102	70 - 130
Bromochloromethane	50.0	52.2		ug/L		104	70 - 130
Bromodichloromethane	50.0	47.0		ug/L		94	70 - 130
Bromoform	50.0	43.6		ug/L		87	69 - 129
Bromomethane	50.0	59.3		ug/L		119	28 - 192
2-Butanone (MEK)	250	218		ug/L		87	69 - 120
Carbon disulfide	50.0	61.0		ug/L		122	70 - 130
Carbon tetrachloride	50.0	42.0		ug/L		84	70 - 130
Chlorobenzene	50.0	48.2		ug/L		96	70 - 130
Chloroethane	50.0	51.5		ug/L		103	31 - 213
Chloroform	50.0	53.0		ug/L		106	70 - 130
Chloromethane	50.0	83.6	+	ug/L		167	59 - 127
Dibromochloromethane	50.0	39.7		ug/L		79	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	37.7		ug/L		75	70 - 130
1,2-Dibromoethane	50.0	41.0		ug/L		82	70 - 130
Dibromomethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 130
1,4-Dichlorobenzene	50.0	48.1		ug/L		96	70 - 130
trans-1,4-Dichloro-2-butene	50.0	9.70	-	ug/L		19	67 - 120
1,1-Dichloroethane	50.0	54.3		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	52.1		ug/L		104	70 - 130
cis-1,2-Dichloroethene	50.0	50.5		ug/L		101	70 - 130
trans-1,2-Dichloroethene	50.0	53.8		ug/L		108	70 - 130
1,1-Dichloroethene	50.0	52.7		ug/L		105	70 - 130
1,2-Dichloropropane	50.0	50.8		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	43.4		ug/L		87	70 - 130
cis-1,3-Dichloropropene	50.0	42.1		ug/L		84	70 - 130
trans-1,3-Dichloropropene	50.0	40.0		ug/L		80	70 - 130
Ethylbenzene	50.0	49.0		ug/L		98	70 - 130
2-Hexanone	250	181		ug/L		73	70 - 130
Iodomethane	50.0	47.3		ug/L		95	52 - 129
Methylene Chloride	50.0	47.0		ug/L		94	70 - 130
4-Methyl-2-pentanone (MIBK)	250	191		ug/L		76	68 - 120

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCS 680-722996/4

Matrix: Water

Analysis Batch: 722996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	50.0	48.4		ug/L		97	70 - 130
Styrene	50.0	46.8		ug/L		94	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.0		ug/L		108	70 - 130
Tetrachloroethylene	50.0	41.0		ug/L		82	70 - 130
Toluene	50.0	42.9		ug/L		86	70 - 130
1,1,1-Trichloroethane	50.0	44.8		ug/L		90	70 - 130
1,1,2-Trichloroethane	50.0	42.3		ug/L		85	70 - 130
Trichloroethene	50.0	44.0		ug/L		88	70 - 130
Trichlorofluoromethane	50.0	82.7	*+	ug/L		165	63 - 142
1,2,3-Trichloropropane	50.0	50.7		ug/L		101	70 - 130
Vinyl acetate	100	88.5		ug/L		88	67 - 135
Vinyl chloride	50.0	57.0		ug/L		114	66 - 129
Xylenes, Total	100	96.2		ug/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	110		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		60 - 124
Dibromofluoromethane (Surr)	110		70 - 130
4-Bromofluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 680-722996/5

Matrix: Water

Analysis Batch: 722996

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
Acetone	250	228		ug/L		91	67 - 120	5	30
Acrylonitrile	500	460		ug/L		92	70 - 130	3	30
Benzene	50.0	50.8		ug/L		102	70 - 130	0	30
Bromochloromethane	50.0	50.6		ug/L		101	70 - 130	3	30
Bromodichloromethane	50.0	45.8		ug/L		92	70 - 130	3	30
Bromoform	50.0	42.7		ug/L		85	69 - 129	2	30
Bromomethane	50.0	57.6		ug/L		115	28 - 192	3	30
2-Butanone (MEK)	250	214		ug/L		86	69 - 120	2	30
Carbon disulfide	50.0	58.1		ug/L		116	70 - 130	5	30
Carbon tetrachloride	50.0	41.1		ug/L		82	70 - 130	2	30
Chlorobenzene	50.0	48.4		ug/L		97	70 - 130	0	30
Chloroethane	50.0	57.3		ug/L		115	31 - 213	11	30
Chloroform	50.0	51.2		ug/L		102	70 - 130	4	30
Chloromethane	50.0	84.3	*+	ug/L		169	59 - 127	1	30
Dibromochloromethane	50.0	39.8		ug/L		80	70 - 130	0	30
1,2-Dibromo-3-Chloropropane	50.0	37.3		ug/L		75	70 - 130	1	30
1,2-Dibromoethane	50.0	40.0		ug/L		80	70 - 130	2	30
Dibromomethane	50.0	48.3		ug/L		97	70 - 130	2	30
1,2-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 130	0	30
1,4-Dichlorobenzene	50.0	48.1		ug/L		96	70 - 130	0	30
trans-1,4-Dichloro-2-butene	50.0	9.99	*-	ug/L		20	67 - 120	3	30
1,1-Dichloroethane	50.0	53.7		ug/L		107	70 - 130	1	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCSD 680-722996/5

Matrix: Water

Analysis Batch: 722996

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
1,2-Dichloroethane	50.0	52.0		ug/L		104	70 - 130	0	50
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	70 - 130	2	30
trans-1,2-Dichloroethene	50.0	54.2		ug/L		108	70 - 130	1	30
1,1-Dichloroethene	50.0	50.5		ug/L		101	70 - 130	4	20
1,2-Dichloropropane	50.0	51.1		ug/L		102	70 - 130	1	20
1,3-Dichloropropane	50.0	43.4		ug/L		87	70 - 130	0	20
cis-1,3-Dichloropropene	50.0	41.9		ug/L		84	70 - 130	0	20
trans-1,3-Dichloropropene	50.0	40.4		ug/L		81	70 - 130	1	30
Ethylbenzene	50.0	48.5		ug/L		97	70 - 130	1	20
2-Hexanone	250	184		ug/L		73	70 - 130	1	20
Iodomethane	50.0	45.6		ug/L		91	52 - 129	4	30
Methylene Chloride	50.0	44.1		ug/L		88	70 - 130	6	30
4-Methyl-2-pentanone (MIBK)	250	189		ug/L		75	68 - 120	1	30
Methyl tert-butyl ether	50.0	47.8		ug/L		96	70 - 130	1	30
Styrene	50.0	46.4		ug/L		93	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	50.0		ug/L		100	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	52.0		ug/L		104	70 - 130	4	30
Tetrachloroethylene	50.0	41.0		ug/L		82	70 - 130	0	30
Toluene	50.0	43.2		ug/L		86	70 - 130	1	30
1,1,1-Trichloroethane	50.0	43.9		ug/L		88	70 - 130	2	30
1,1,2-Trichloroethane	50.0	41.7		ug/L		83	70 - 130	1	30
Trichloroethene	50.0	45.1		ug/L		90	70 - 130	3	30
Trichlorofluoromethane	50.0	79.4	*+	ug/L		159	63 - 142	4	30
1,2,3-Trichloropropane	50.0	49.8		ug/L		100	70 - 130	2	30
Vinyl acetate	100	79.3		ug/L		79	67 - 135	11	30
Vinyl chloride	50.0	47.8		ug/L		96	66 - 129	17	30
Xylenes, Total	100	95.2		ug/L		95	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	109		70 - 130
1,2-Dichloroethane-d4 (Surr)	101		60 - 124
Dibromofluoromethane (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 680-215822-6 MS

Matrix: Water

Analysis Batch: 722996

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	3.7	U	250	215		ug/L		86	67 - 120
Acrylonitrile	5.5	U	500	446		ug/L		89	70 - 130
Benzene	1.0		50.0	51.1		ug/L		100	70 - 130
Bromochloromethane	0.34	U	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	0.25	U	50.0	49.3		ug/L		99	70 - 130
Bromoform	0.59	U	50.0	42.2		ug/L		84	69 - 129
Bromomethane	3.7	U	50.0	58.0		ug/L		116	28 - 192
2-Butanone (MEK)	6.4	U	250	212		ug/L		85	69 - 120
Carbon disulfide	0.43	U	50.0	63.5		ug/L		127	70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: 680-215822-6 MS

Matrix: Water

Analysis Batch: 722996

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	0.30	U	50.0	40.5		ug/L		81	70 - 130
Chlorobenzene	64		50.0	115		ug/L		102	70 - 130
Chloroethane	9.8		50.0	61.4		ug/L		103	31 - 213
Chloroform	0.27	U	50.0	51.0		ug/L		102	70 - 130
Chloromethane	0.54	U F1 *+	50.0	83.8	F1	ug/L		168	59 - 127
Dibromochloromethane	0.39	U	50.0	40.0		ug/L		80	70 - 130
1,2-Dibromo-3-Chloropropane	1.8	U F1	50.0	33.5	F1	ug/L		67	70 - 130
1,2-Dibromoethane	0.33	U	50.0	39.8		ug/L		80	70 - 130
Dibromomethane	0.34	U	50.0	47.0		ug/L		94	70 - 130
1,2-Dichlorobenzene	0.31	U	50.0	48.2		ug/L		96	70 - 130
1,4-Dichlorobenzene	0.64	J	50.0	46.4		ug/L		92	70 - 130
trans-1,4-Dichloro-2-butene	1.3	U F1 *-	50.0	11.7	F1	ug/L		23	67 - 120
1,1-Dichloroethane	0.33	U	50.0	54.2		ug/L		108	70 - 130
1,2-Dichloroethane	0.79	J	50.0	50.9		ug/L		100	70 - 130
cis-1,2-Dichloroethene	0.25	U	50.0	49.4		ug/L		99	70 - 130
trans-1,2-Dichloroethene	0.34	U	50.0	53.8		ug/L		108	70 - 130
1,1-Dichloroethene	0.33	U	50.0	54.5		ug/L		109	70 - 130
1,2-Dichloropropane	0.22	U	50.0	49.8		ug/L		100	70 - 130
1,3-Dichloropropane	0.36	U	50.0	43.4		ug/L		87	70 - 130
cis-1,3-Dichloropropene	0.26	U	50.0	37.5		ug/L		75	70 - 130
trans-1,3-Dichloropropene	0.23	U	50.0	38.0		ug/L		76	70 - 130
Ethylbenzene	0.20	U	50.0	48.2		ug/L		96	70 - 130
2-Hexanone	3.2	U	250	186		ug/L		75	70 - 130
Iodomethane	3.9	U	50.0	46.5		ug/L		93	52 - 129
Methylene Chloride	3.2	U	50.0	44.9		ug/L		90	70 - 130
4-Methyl-2-pentanone (MIBK)	2.7	U	250	192		ug/L		77	68 - 120
Methyl tert-butyl ether	0.81	U	50.0	45.9		ug/L		92	70 - 130
Styrene	0.27	U	50.0	44.7		ug/L		89	70 - 130
1,1,1,2-Tetrachloroethane	0.36	U	50.0	47.4		ug/L		95	70 - 130
1,1,2,2-Tetrachloroethane	0.40	U	50.0	54.5		ug/L		109	70 - 130
Tetrachloroethylene	0.35	U	50.0	40.5		ug/L		81	70 - 130
Toluene	0.97	J	50.0	44.2		ug/L		86	70 - 130
1,1,1-Trichloroethane	0.21	U	50.0	43.9		ug/L		88	70 - 130
1,1,2-Trichloroethane	0.32	U	50.0	43.7		ug/L		87	70 - 130
Trichloroethene	0.20	U	50.0	41.3		ug/L		83	70 - 130
Trichlorofluoromethane	0.33	U F1 *+	50.0	81.0	F1	ug/L		162	63 - 142
1,2,3-Trichloropropane	0.48	U	50.0	47.8		ug/L		96	70 - 130
Vinyl acetate	0.69	U F1	100	52.5	F1	ug/L		53	67 - 135
Vinyl chloride	0.40	U	50.0	56.7		ug/L		113	66 - 129
Xylenes, Total	0.23	U	100	93.5		ug/L		94	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
Toluene-d8 (Surr)	109		70 - 130						
1,2-Dichloroethane-d4 (Surr)	104		60 - 124						
Dibromofluoromethane (Surr)	107		70 - 130						
4-Bromofluorobenzene (Surr)	104		70 - 130						

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: 680-215822-6 MSD

Matrix: Water

Analysis Batch: 722996

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	3.7	U	250	208		ug/L		83	67 - 120	3	30
Acrylonitrile	5.5	U	500	435		ug/L		87	70 - 130	2	30
Benzene	1.0		50.0	49.8		ug/L		98	70 - 130	3	30
Bromochloromethane	0.34	U	50.0	46.7		ug/L		93	70 - 130	1	30
Bromodichloromethane	0.25	U	50.0	46.6		ug/L		93	70 - 130	6	30
Bromoform	0.59	U	50.0	40.2		ug/L		80	69 - 129	5	30
Bromomethane	3.7	U	50.0	58.9		ug/L		118	28 - 192	2	30
2-Butanone (MEK)	6.4	U	250	210		ug/L		84	69 - 120	1	30
Carbon disulfide	0.43	U	50.0	63.7		ug/L		127	70 - 130	0	30
Carbon tetrachloride	0.30	U	50.0	40.1		ug/L		80	70 - 130	1	30
Chlorobenzene	64		50.0	109		ug/L		90	70 - 130	5	30
Chloroethane	9.8		50.0	65.8		ug/L		112	31 - 213	7	30
Chloroform	0.27	U	50.0	50.1		ug/L		100	70 - 130	2	30
Chloromethane	0.54	U F1 *+	50.0	86.5	F1	ug/L		173	59 - 127	3	30
Dibromochloromethane	0.39	U	50.0	38.7		ug/L		77	70 - 130	3	30
1,2-Dibromo-3-Chloropropane	1.8	U F1	50.0	33.2	F1	ug/L		66	70 - 130	1	30
1,2-Dibromoethane	0.33	U	50.0	38.7		ug/L		77	70 - 130	3	30
Dibromomethane	0.34	U	50.0	45.9		ug/L		92	70 - 130	2	30
1,2-Dichlorobenzene	0.31	U	50.0	47.5		ug/L		95	70 - 130	1	30
1,4-Dichlorobenzene	0.64	J	50.0	45.9		ug/L		91	70 - 130	1	30
trans-1,4-Dichloro-2-butene	1.3	U F1 *-	50.0	9.59	F1	ug/L		19	67 - 120	20	30
1,1-Dichloroethane	0.33	U	50.0	53.9		ug/L		108	70 - 130	1	30
1,2-Dichloroethane	0.79	J	50.0	50.4		ug/L		99	70 - 130	1	50
cis-1,2-Dichloroethene	0.25	U	50.0	48.9		ug/L		98	70 - 130	1	30
trans-1,2-Dichloroethene	0.34	U	50.0	55.5		ug/L		111	70 - 130	3	30
1,1-Dichloroethene	0.33	U	50.0	55.8		ug/L		112	70 - 130	2	20
1,2-Dichloropropane	0.22	U	50.0	48.0		ug/L		96	70 - 130	4	20
1,3-Dichloropropane	0.36	U	50.0	42.0		ug/L		84	70 - 130	3	20
cis-1,3-Dichloropropene	0.26	U	50.0	36.4		ug/L		73	70 - 130	3	20
trans-1,3-Dichloropropene	0.23	U	50.0	37.1		ug/L		74	70 - 130	2	30
Ethylbenzene	0.20	U	50.0	46.5		ug/L		93	70 - 130	4	20
2-Hexanone	3.2	U	250	181		ug/L		72	70 - 130	3	20
Iodomethane	3.9	U	50.0	47.1		ug/L		94	52 - 129	1	30
Methylene Chloride	3.2	U	50.0	43.0		ug/L		86	70 - 130	4	30
4-Methyl-2-pentanone (MIBK)	2.7	U	250	183		ug/L		73	68 - 120	5	30
Methyl tert-butyl ether	0.81	U	50.0	45.8		ug/L		92	70 - 130	0	30
Styrene	0.27	U	50.0	43.2		ug/L		86	70 - 130	3	30
1,1,1,2-Tetrachloroethane	0.36	U	50.0	46.2		ug/L		92	70 - 130	3	30
1,1,1,2,2-Tetrachloroethane	0.40	U	50.0	53.5		ug/L		107	70 - 130	2	30
Tetrachloroethylene	0.35	U	50.0	39.9		ug/L		80	70 - 130	1	30
Toluene	0.97	J	50.0	43.0		ug/L		84	70 - 130	3	30
1,1,1-Trichloroethane	0.21	U	50.0	43.5		ug/L		87	70 - 130	1	30
1,1,2-Trichloroethane	0.32	U	50.0	42.6		ug/L		85	70 - 130	3	30
Trichloroethene	0.20	U	50.0	41.6		ug/L		83	70 - 130	1	30
Trichlorofluoromethane	0.33	U F1 *+	50.0	84.4	F1	ug/L		169	63 - 142	4	30
1,2,3-Trichloropropane	0.48	U	50.0	46.6		ug/L		93	70 - 130	2	30
Vinyl acetate	0.69	U F1	100	56.3	F1	ug/L		56	67 - 135	7	30
Vinyl chloride	0.40	U	50.0	43.1		ug/L		86	66 - 129	27	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: 680-215822-6 MSD

Matrix: Water

Analysis Batch: 722996

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	0.23	U	100	91.7		ug/L		92	70 - 130	2	30

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
Toluene-d8 (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		60 - 124
Dibromofluoromethane (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	102		70 - 130

Lab Sample ID: MB 680-723051/10

Matrix: Water

Analysis Batch: 723051

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/27/22 15:20	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/27/22 15:20	1
Benzene	0.27	U	1.0	0.27	ug/L			05/27/22 15:20	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/27/22 15:20	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/27/22 15:20	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/27/22 15:20	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/27/22 15:20	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/27/22 15:20	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/27/22 15:20	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/27/22 15:20	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/27/22 15:20	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/27/22 15:20	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/27/22 15:20	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/27/22 15:20	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/27/22 15:20	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/27/22 15:20	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/27/22 15:20	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/27/22 15:20	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 15:20	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/27/22 15:20	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/27/22 15:20	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/27/22 15:20	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/27/22 15:20	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/27/22 15:20	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/27/22 15:20	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/27/22 15:20	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/27/22 15:20	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/27/22 15:20	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/27/22 15:20	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/27/22 15:20	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/27/22 15:20	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/27/22 15:20	1
Iodomethane	3.9	U	10	3.9	ug/L			05/27/22 15:20	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/27/22 15:20	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/27/22 15:20	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-723051/10

Matrix: Water

Analysis Batch: 723051

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/27/22 15:20	1
Styrene	0.27	U	1.0	0.27	ug/L			05/27/22 15:20	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/27/22 15:20	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/27/22 15:20	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/27/22 15:20	1
Toluene	0.25	U	1.0	0.25	ug/L			05/27/22 15:20	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/27/22 15:20	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/27/22 15:20	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/27/22 15:20	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/27/22 15:20	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/27/22 15:20	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/27/22 15:20	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/27/22 15:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/27/22 15:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	115		70 - 130		05/27/22 15:20	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/27/22 15:20	1
Dibromofluoromethane (Surr)	106		70 - 130		05/27/22 15:20	1
4-Bromofluorobenzene (Surr)	92		70 - 130		05/27/22 15:20	1

Lab Sample ID: LCS 680-723051/5

Matrix: Water

Analysis Batch: 723051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	209		ug/L		84	67 - 120
Acrylonitrile	500	429		ug/L		86	70 - 130
Benzene	50.0	49.2		ug/L		98	70 - 130
Bromochloromethane	50.0	55.1		ug/L		110	70 - 130
Bromodichloromethane	50.0	46.0		ug/L		92	70 - 130
Bromoform	50.0	56.0		ug/L		112	69 - 129
Bromomethane	50.0	45.6		ug/L		91	28 - 192
2-Butanone (MEK)	250	213		ug/L		85	69 - 120
Carbon disulfide	50.0	43.5		ug/L		87	70 - 130
Carbon tetrachloride	50.0	47.4		ug/L		95	70 - 130
Chlorobenzene	50.0	54.7		ug/L		109	70 - 130
Chloroethane	50.0	48.0		ug/L		96	31 - 213
Chloroform	50.0	47.3		ug/L		95	70 - 130
Chloromethane	50.0	36.0		ug/L		72	59 - 127
Dibromochloromethane	50.0	50.7		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	54.2		ug/L		108	70 - 130
1,2-Dibromoethane	50.0	53.8		ug/L		108	70 - 130
Dibromomethane	50.0	49.9		ug/L		100	70 - 130
1,2-Dichlorobenzene	50.0	52.8		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 130
trans-1,4-Dichloro-2-butene	50.0	41.5		ug/L		83	67 - 120
1,1-Dichloroethane	50.0	44.3		ug/L		89	70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCS 680-723051/5

Matrix: Water

Analysis Batch: 723051

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	48.3		ug/L		97	70 - 130
cis-1,2-Dichloroethene	50.0	44.7		ug/L		89	70 - 130
trans-1,2-Dichloroethene	50.0	46.5		ug/L		93	70 - 130
1,1-Dichloroethene	50.0	46.4		ug/L		93	70 - 130
1,2-Dichloropropane	50.0	46.3		ug/L		93	70 - 130
1,3-Dichloropropane	50.0	50.5		ug/L		101	70 - 130
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	50.3		ug/L		101	70 - 130
Ethylbenzene	50.0	52.2		ug/L		104	70 - 130
2-Hexanone	250	201		ug/L		80	70 - 130
Iodomethane	50.0	44.4		ug/L		89	52 - 129
Methylene Chloride	50.0	46.3		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	250	209		ug/L		84	68 - 120
Methyl tert-butyl ether	50.0	49.6		ug/L		99	70 - 130
Styrene	50.0	54.0		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	58.1		ug/L		116	70 - 130
1,1,2,2-Tetrachloroethane	50.0	45.4		ug/L		91	70 - 130
Tetrachloroethylene	50.0	56.5		ug/L		113	70 - 130
Toluene	50.0	49.3		ug/L		99	70 - 130
1,1,1-Trichloroethane	50.0	44.1		ug/L		88	70 - 130
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	70 - 130
Trichloroethene	50.0	56.2		ug/L		112	70 - 130
Trichlorofluoromethane	50.0	49.6		ug/L		99	63 - 142
1,2,3-Trichloropropane	50.0	56.4		ug/L		113	70 - 130
Vinyl acetate	100	53.3	*	ug/L		53	67 - 135
Vinyl chloride	50.0	40.0		ug/L		80	66 - 129
Xylenes, Total	100	101		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	112		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		60 - 124
Dibromofluoromethane (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	90		70 - 130

Lab Sample ID: LCSD 680-723051/6

Matrix: Water

Analysis Batch: 723051

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
Acetone	250	207		ug/L		83	67 - 120	1	30
Acrylonitrile	500	431		ug/L		86	70 - 130	0	30
Benzene	50.0	48.9		ug/L		98	70 - 130	1	30
Bromochloromethane	50.0	54.1		ug/L		108	70 - 130	2	30
Bromodichloromethane	50.0	45.9		ug/L		92	70 - 130	0	30
Bromoform	50.0	57.5		ug/L		115	69 - 129	3	30
Bromomethane	50.0	46.3		ug/L		93	28 - 192	1	30
2-Butanone (MEK)	250	213		ug/L		85	69 - 120	0	30
Carbon disulfide	50.0	43.5		ug/L		87	70 - 130	0	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCSD 680-723051/6

Matrix: Water

Analysis Batch: 723051

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
Carbon tetrachloride	50.0	47.4		ug/L		95	70 - 130	0	30
Chlorobenzene	50.0	55.4		ug/L		111	70 - 130	1	30
Chloroethane	50.0	46.4		ug/L		93	31 - 213	3	30
Chloroform	50.0	46.7		ug/L		93	70 - 130	1	30
Chloromethane	50.0	34.9		ug/L		70	59 - 127	3	30
Dibromochloromethane	50.0	51.0		ug/L		102	70 - 130	0	30
1,2-Dibromo-3-Chloropropane	50.0	54.0		ug/L		108	70 - 130	0	30
1,2-Dibromoethane	50.0	54.4		ug/L		109	70 - 130	1	30
Dibromomethane	50.0	48.9		ug/L		98	70 - 130	2	30
1,2-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 130	0	30
1,4-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	41.8		ug/L		84	67 - 120	1	30
1,1-Dichloroethane	50.0	44.1		ug/L		88	70 - 130	0	30
1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	44.3		ug/L		89	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 130	0	30
1,1-Dichloroethene	50.0	46.0		ug/L		92	70 - 130	1	20
1,2-Dichloropropane	50.0	46.2		ug/L		92	70 - 130	0	20
1,3-Dichloropropane	50.0	50.5		ug/L		101	70 - 130	0	20
cis-1,3-Dichloropropene	50.0	49.4		ug/L		99	70 - 130	0	20
trans-1,3-Dichloropropene	50.0	50.2		ug/L		100	70 - 130	0	30
Ethylbenzene	50.0	53.2		ug/L		106	70 - 130	2	20
2-Hexanone	250	201		ug/L		80	70 - 130	0	20
Iodomethane	50.0	44.4		ug/L		89	52 - 129	0	30
Methylene Chloride	50.0	46.3		ug/L		93	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	250	212		ug/L		85	68 - 120	1	30
Methyl tert-butyl ether	50.0	49.5		ug/L		99	70 - 130	0	30
Styrene	50.0	53.9		ug/L		108	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	58.8		ug/L		118	70 - 130	1	30
1,1,2,2-Tetrachloroethane	50.0	45.2		ug/L		90	70 - 130	0	30
Tetrachloroethylene	50.0	56.6		ug/L		113	70 - 130	0	30
Toluene	50.0	49.0		ug/L		98	70 - 130	1	30
1,1,1-Trichloroethane	50.0	43.9		ug/L		88	70 - 130	0	30
1,1,2-Trichloroethane	50.0	49.6		ug/L		99	70 - 130	0	30
Trichloroethene	50.0	56.6		ug/L		113	70 - 130	1	30
Trichlorofluoromethane	50.0	47.9		ug/L		96	63 - 142	3	30
1,2,3-Trichloropropane	50.0	57.7		ug/L		115	70 - 130	2	30
Vinyl acetate	100	49.9	*	ug/L		50	67 - 135	7	30
Vinyl chloride	50.0	39.4		ug/L		79	66 - 129	1	30
Xylenes, Total	100	102		ug/L		102	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	113		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		60 - 124
Dibromofluoromethane (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	90		70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-723201/9

Matrix: Water

Analysis Batch: 723201

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/28/22 13:55	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/28/22 13:55	1
Benzene	0.27	U	1.0	0.27	ug/L			05/28/22 13:55	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/28/22 13:55	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/28/22 13:55	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/28/22 13:55	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/28/22 13:55	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/28/22 13:55	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/28/22 13:55	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/28/22 13:55	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/28/22 13:55	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/28/22 13:55	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/28/22 13:55	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/28/22 13:55	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/28/22 13:55	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/28/22 13:55	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/28/22 13:55	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/28/22 13:55	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 13:55	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/28/22 13:55	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/28/22 13:55	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/28/22 13:55	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/28/22 13:55	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/28/22 13:55	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/28/22 13:55	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/28/22 13:55	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/28/22 13:55	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/28/22 13:55	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/28/22 13:55	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/28/22 13:55	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/28/22 13:55	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/28/22 13:55	1
Iodomethane	3.9	U	10	3.9	ug/L			05/28/22 13:55	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/28/22 13:55	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/28/22 13:55	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/28/22 13:55	1
Styrene	0.27	U	1.0	0.27	ug/L			05/28/22 13:55	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/28/22 13:55	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/28/22 13:55	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/28/22 13:55	1
Toluene	0.25	U	1.0	0.25	ug/L			05/28/22 13:55	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/28/22 13:55	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/28/22 13:55	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/28/22 13:55	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/28/22 13:55	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/28/22 13:55	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/28/22 13:55	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/28/22 13:55	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-723201/9

Matrix: Water

Analysis Batch: 723201

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/28/22 13:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		05/28/22 13:55	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		05/28/22 13:55	1
Dibromofluoromethane (Surr)	114		70 - 130		05/28/22 13:55	1
4-Bromofluorobenzene (Surr)	102		70 - 130		05/28/22 13:55	1

Lab Sample ID: LCS 680-723201/4

Matrix: Water

Analysis Batch: 723201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	216		ug/L		86	67 - 120
Acrylonitrile	500	447		ug/L		89	70 - 130
Benzene	50.0	48.9		ug/L		98	70 - 130
Bromochloromethane	50.0	46.4		ug/L		93	70 - 130
Bromodichloromethane	50.0	45.6		ug/L		91	70 - 130
Bromoform	50.0	38.5		ug/L		77	69 - 129
Bromomethane	50.0	51.2		ug/L		102	28 - 192
2-Butanone (MEK)	250	211		ug/L		84	69 - 120
Carbon disulfide	50.0	56.1		ug/L		112	70 - 130
Carbon tetrachloride	50.0	39.2		ug/L		78	70 - 130
Chlorobenzene	50.0	44.1		ug/L		88	70 - 130
Chloroethane	50.0	42.4		ug/L		85	31 - 213
Chloroform	50.0	51.2		ug/L		102	70 - 130
Chloromethane	50.0	79.0	+	ug/L		158	59 - 127
Dibromochloromethane	50.0	38.1		ug/L		76	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	35.4		ug/L		71	70 - 130
1,2-Dibromoethane	50.0	38.4		ug/L		77	70 - 130
Dibromomethane	50.0	46.0		ug/L		92	70 - 130
1,2-Dichlorobenzene	50.0	48.1		ug/L		96	70 - 130
1,4-Dichlorobenzene	50.0	46.0		ug/L		92	70 - 130
trans-1,4-Dichloro-2-butene	50.0	11.5	-	ug/L		23	67 - 120
1,1-Dichloroethane	50.0	54.2		ug/L		108	70 - 130
1,2-Dichloroethane	50.0	50.2		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	51.2		ug/L		102	70 - 130
trans-1,2-Dichloroethene	50.0	54.4		ug/L		109	70 - 130
1,1-Dichloroethene	50.0	53.6		ug/L		107	70 - 130
1,2-Dichloropropane	50.0	47.7		ug/L		95	70 - 130
1,3-Dichloropropane	50.0	41.6		ug/L		83	70 - 130
cis-1,3-Dichloropropene	50.0	40.1		ug/L		80	70 - 130
trans-1,3-Dichloropropene	50.0	38.6		ug/L		77	70 - 130
Ethylbenzene	50.0	44.6		ug/L		89	70 - 130
2-Hexanone	250	167	-	ug/L		67	70 - 130
Iodomethane	50.0	46.3		ug/L		93	52 - 129
Methylene Chloride	50.0	46.2		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	250	178		ug/L		71	68 - 120

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCS 680-723201/4

Matrix: Water

Analysis Batch: 723201

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	50.0	47.8		ug/L		96	70 - 130
Styrene	50.0	42.0		ug/L		84	70 - 130
1,1,1,2-Tetrachloroethane	50.0	45.7		ug/L		91	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.3		ug/L		105	70 - 130
Tetrachloroethylene	50.0	38.2		ug/L		76	70 - 130
Toluene	50.0	40.6		ug/L		81	70 - 130
1,1,1-Trichloroethane	50.0	42.4		ug/L		85	70 - 130
1,1,2-Trichloroethane	50.0	41.0		ug/L		82	70 - 130
Trichloroethene	50.0	41.1		ug/L		82	70 - 130
Trichlorofluoromethane	50.0	84.6	*+	ug/L		169	63 - 142
1,2,3-Trichloropropane	50.0	45.6		ug/L		91	70 - 130
Vinyl acetate	100	50.0	*-	ug/L		50	67 - 135
Vinyl chloride	50.0	49.5		ug/L		99	66 - 129
Xylenes, Total	100	88.7		ug/L		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		60 - 124
Dibromofluoromethane (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 680-723201/5

Matrix: Water

Analysis Batch: 723201

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
Acetone	250	216		ug/L		87	67 - 120	0	30
Acrylonitrile	500	453		ug/L		91	70 - 130	1	30
Benzene	50.0	48.9		ug/L		98	70 - 130	0	30
Bromochloromethane	50.0	47.6		ug/L		95	70 - 130	2	30
Bromodichloromethane	50.0	46.9		ug/L		94	70 - 130	3	30
Bromoform	50.0	38.8		ug/L		78	69 - 129	1	30
Bromomethane	50.0	52.6		ug/L		105	28 - 192	3	30
2-Butanone (MEK)	250	215		ug/L		86	69 - 120	2	30
Carbon disulfide	50.0	54.8		ug/L		110	70 - 130	2	30
Carbon tetrachloride	50.0	38.4		ug/L		77	70 - 130	2	30
Chlorobenzene	50.0	44.7		ug/L		89	70 - 130	1	30
Chloroethane	50.0	38.9		ug/L		78	31 - 213	9	30
Chloroform	50.0	51.1		ug/L		102	70 - 130	0	30
Chloromethane	50.0	78.2	*+	ug/L		156	59 - 127	1	30
Dibromochloromethane	50.0	38.6		ug/L		77	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	50.0	34.4	*-	ug/L		69	70 - 130	3	30
1,2-Dibromoethane	50.0	39.2		ug/L		78	70 - 130	2	30
Dibromomethane	50.0	46.5		ug/L		93	70 - 130	1	30
1,2-Dichlorobenzene	50.0	47.7		ug/L		95	70 - 130	1	30
1,4-Dichlorobenzene	50.0	46.0		ug/L		92	70 - 130	0	30
trans-1,4-Dichloro-2-butene	50.0	12.3	*-	ug/L		25	67 - 120	6	30
1,1-Dichloroethane	50.0	54.2		ug/L		108	70 - 130	0	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCSD 680-723201/5

Matrix: Water

Analysis Batch: 723201

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
1,2-Dichloroethane	50.0	50.8		ug/L		102	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	50.9		ug/L		102	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	55.4		ug/L		111	70 - 130	2	30
1,1-Dichloroethene	50.0	51.8		ug/L		104	70 - 130	3	20
1,2-Dichloropropane	50.0	48.7		ug/L		97	70 - 130	2	20
1,3-Dichloropropane	50.0	42.9		ug/L		86	70 - 130	3	20
cis-1,3-Dichloropropene	50.0	40.1		ug/L		80	70 - 130	0	20
trans-1,3-Dichloropropene	50.0	40.1		ug/L		80	70 - 130	4	30
Ethylbenzene	50.0	44.4		ug/L		89	70 - 130	0	20
2-Hexanone	250	171	*-	ug/L		68	70 - 130	2	20
Iodomethane	50.0	46.2		ug/L		92	52 - 129	0	30
Methylene Chloride	50.0	46.4		ug/L		93	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	250	181		ug/L		72	68 - 120	2	30
Methyl tert-butyl ether	50.0	48.8		ug/L		98	70 - 130	2	30
Styrene	50.0	42.3		ug/L		85	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	46.2		ug/L		92	70 - 130	1	30
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L		104	70 - 130	1	30
Tetrachloroethylene	50.0	38.5		ug/L		77	70 - 130	1	30
Toluene	50.0	41.3		ug/L		83	70 - 130	2	30
1,1,1-Trichloroethane	50.0	41.8		ug/L		84	70 - 130	1	30
1,1,2-Trichloroethane	50.0	42.2		ug/L		84	70 - 130	3	30
Trichloroethene	50.0	41.5		ug/L		83	70 - 130	1	30
Trichlorofluoromethane	50.0	81.8	*+	ug/L		164	63 - 142	3	30
1,2,3-Trichloropropane	50.0	46.5		ug/L		93	70 - 130	2	30
Vinyl acetate	100	49.9	*-	ug/L		50	67 - 135	0	30
Vinyl chloride	50.0	49.8		ug/L		100	66 - 129	0	30
Xylenes, Total	100	88.3		ug/L		88	70 - 130	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		60 - 124
Dibromofluoromethane (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 680-723346/9

Matrix: Water

Analysis Batch: 723346

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/30/22 12:47	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/30/22 12:47	1
Benzene	0.27	U	1.0	0.27	ug/L			05/30/22 12:47	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/30/22 12:47	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/30/22 12:47	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/30/22 12:47	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/30/22 12:47	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/30/22 12:47	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/30/22 12:47	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-723346/9

Matrix: Water

Analysis Batch: 723346

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/30/22 12:47	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/30/22 12:47	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/30/22 12:47	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/30/22 12:47	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/30/22 12:47	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/30/22 12:47	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/30/22 12:47	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/30/22 12:47	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/30/22 12:47	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 12:47	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/30/22 12:47	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/30/22 12:47	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/30/22 12:47	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/30/22 12:47	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/30/22 12:47	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/30/22 12:47	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/30/22 12:47	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/30/22 12:47	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/30/22 12:47	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/30/22 12:47	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/30/22 12:47	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/30/22 12:47	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/30/22 12:47	1
Iodomethane	3.9	U	10	3.9	ug/L			05/30/22 12:47	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/30/22 12:47	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/30/22 12:47	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/30/22 12:47	1
Styrene	0.27	U	1.0	0.27	ug/L			05/30/22 12:47	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/30/22 12:47	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/30/22 12:47	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/30/22 12:47	1
Toluene	0.25	U	1.0	0.25	ug/L			05/30/22 12:47	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/30/22 12:47	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/30/22 12:47	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/30/22 12:47	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/30/22 12:47	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/30/22 12:47	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/30/22 12:47	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/30/22 12:47	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/30/22 12:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		05/30/22 12:47	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/30/22 12:47	1
Dibromofluoromethane (Surr)	104		70 - 130		05/30/22 12:47	1
4-Bromofluorobenzene (Surr)	89		70 - 130		05/30/22 12:47	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCS 680-723346/4

Matrix: Water

Analysis Batch: 723346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	266		ug/L		106	67 - 120
Acrylonitrile	500	516		ug/L		103	70 - 130
Benzene	50.0	50.8		ug/L		102	70 - 130
Bromochloromethane	50.0	57.5		ug/L		115	70 - 130
Bromodichloromethane	50.0	48.0		ug/L		96	70 - 130
Bromoform	50.0	53.6		ug/L		107	69 - 129
Bromomethane	50.0	51.3		ug/L		103	28 - 192
2-Butanone (MEK)	250	222		ug/L		89	69 - 120
Carbon disulfide	50.0	55.2		ug/L		110	70 - 130
Carbon tetrachloride	50.0	50.9		ug/L		102	70 - 130
Chlorobenzene	50.0	49.8		ug/L		100	70 - 130
Chloroethane	50.0	63.2		ug/L		126	31 - 213
Chloroform	50.0	53.1		ug/L		106	70 - 130
Chloromethane	50.0	52.2		ug/L		104	59 - 127
Dibromochloromethane	50.0	51.0		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	44.7		ug/L		89	70 - 130
1,2-Dibromoethane	50.0	53.2		ug/L		106	70 - 130
Dibromomethane	50.0	52.3		ug/L		105	70 - 130
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.5		ug/L		93	67 - 120
1,1-Dichloroethane	50.0	53.9		ug/L		108	70 - 130
1,2-Dichloroethane	50.0	51.6		ug/L		103	70 - 130
cis-1,2-Dichloroethene	50.0	52.5		ug/L		105	70 - 130
trans-1,2-Dichloroethene	50.0	52.7		ug/L		105	70 - 130
1,1-Dichloroethene	50.0	58.0		ug/L		116	70 - 130
1,2-Dichloropropane	50.0	51.1		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	51.9		ug/L		104	70 - 130
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	51.5		ug/L		103	70 - 130
Ethylbenzene	50.0	53.1		ug/L		106	70 - 130
2-Hexanone	250	255		ug/L		102	70 - 130
Iodomethane	50.0	30.1		ug/L		60	52 - 129
Methylene Chloride	50.0	59.0		ug/L		118	70 - 130
4-Methyl-2-pentanone (MIBK)	250	259		ug/L		104	68 - 120
Methyl tert-butyl ether	50.0	44.1		ug/L		88	70 - 130
Styrene	50.0	53.5		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.8		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.5		ug/L		101	70 - 130
Tetrachloroethylene	50.0	59.4		ug/L		119	70 - 130
Toluene	50.0	53.6		ug/L		107	70 - 130
1,1,1-Trichloroethane	50.0	49.6		ug/L		99	70 - 130
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	70 - 130
Trichloroethene	50.0	53.6		ug/L		107	70 - 130
Trichlorofluoromethane	50.0	56.5	E	ug/L		113	63 - 142
1,2,3-Trichloropropane	50.0	52.0		ug/L		104	70 - 130
Vinyl acetate	100	47.7	*-	ug/L		48	67 - 135
Vinyl chloride	50.0	52.4		ug/L		105	66 - 129

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCS 680-723346/4

Matrix: Water

Analysis Batch: 723346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	100	106		ug/L		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		60 - 124
Dibromofluoromethane (Surr)	109		70 - 130
4-Bromofluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 680-723346/5

Matrix: Water

Analysis Batch: 723346

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
Acetone	250	257		ug/L		103	67 - 120	3	30
Acrylonitrile	500	496		ug/L		99	70 - 130	4	30
Benzene	50.0	51.3		ug/L		103	70 - 130	1	30
Bromochloromethane	50.0	55.4		ug/L		111	70 - 130	4	30
Bromodichloromethane	50.0	47.0		ug/L		94	70 - 130	2	30
Bromoform	50.0	52.3		ug/L		105	69 - 129	2	30
Bromomethane	50.0	54.0		ug/L		108	28 - 192	5	30
2-Butanone (MEK)	250	213		ug/L		85	69 - 120	4	30
Carbon disulfide	50.0	55.2		ug/L		110	70 - 130	0	30
Carbon tetrachloride	50.0	50.7		ug/L		101	70 - 130	0	30
Chlorobenzene	50.0	49.8		ug/L		100	70 - 130	0	30
Chloroethane	50.0	63.1		ug/L		126	31 - 213	0	30
Chloroform	50.0	52.3		ug/L		105	70 - 130	2	30
Chloromethane	50.0	51.9		ug/L		104	59 - 127	1	30
Dibromochloromethane	50.0	49.5		ug/L		99	70 - 130	3	30
1,2-Dibromo-3-Chloropropane	50.0	43.9		ug/L		88	70 - 130	2	30
1,2-Dibromoethane	50.0	51.3		ug/L		103	70 - 130	4	30
Dibromomethane	50.0	50.1		ug/L		100	70 - 130	4	30
1,2-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 130	1	30
1,4-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	44.6		ug/L		89	67 - 120	4	30
1,1-Dichloroethane	50.0	53.9		ug/L		108	70 - 130	0	30
1,2-Dichloroethane	50.0	49.6		ug/L		99	70 - 130	4	50
cis-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 130	1	30
1,1-Dichloroethene	50.0	57.5		ug/L		115	70 - 130	1	20
1,2-Dichloropropane	50.0	49.6		ug/L		99	70 - 130	3	20
1,3-Dichloropropane	50.0	50.3		ug/L		101	70 - 130	3	20
cis-1,3-Dichloropropene	50.0	48.6		ug/L		97	70 - 130	3	20
trans-1,3-Dichloropropene	50.0	50.2		ug/L		100	70 - 130	3	30
Ethylbenzene	50.0	53.7		ug/L		107	70 - 130	1	20
2-Hexanone	250	242		ug/L		97	70 - 130	5	20
Iodomethane	50.0	32.5		ug/L		65	52 - 129	8	30
Methylene Chloride	50.0	57.7		ug/L		115	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	250	249		ug/L		100	68 - 120	4	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCSD 680-723346/5

Matrix: Water

Analysis Batch: 723346

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
Methyl tert-butyl ether	50.0	43.0		ug/L		86	70 - 130	3	30
Styrene	50.0	53.2		ug/L		106	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	52.0		ug/L		104	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	49.0		ug/L		98	70 - 130	3	30
Tetrachloroethylene	50.0	59.1		ug/L		118	70 - 130	1	30
Toluene	50.0	52.7		ug/L		105	70 - 130	2	30
1,1,1-Trichloroethane	50.0	50.3		ug/L		101	70 - 130	1	30
1,1,2-Trichloroethane	50.0	48.4		ug/L		97	70 - 130	5	30
Trichloroethene	50.0	54.2		ug/L		108	70 - 130	1	30
Trichlorofluoromethane	50.0	56.2	E	ug/L		112	63 - 142	1	30
1,2,3-Trichloropropane	50.0	49.5		ug/L		99	70 - 130	5	30
Vinyl acetate	100	43.0	*-	ug/L		43	67 - 135	10	30
Vinyl chloride	50.0	53.0		ug/L		106	66 - 129	1	30
Xylenes, Total	100	106		ug/L		106	70 - 130	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	98		60 - 124
Dibromofluoromethane (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	86		70 - 130

Lab Sample ID: MB 680-723402/10

Matrix: Water

Analysis Batch: 723402

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/31/22 13:27	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/31/22 13:27	1
Benzene	0.27	U	1.0	0.27	ug/L			05/31/22 13:27	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/31/22 13:27	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/31/22 13:27	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/31/22 13:27	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/31/22 13:27	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/31/22 13:27	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/31/22 13:27	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/31/22 13:27	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/31/22 13:27	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/31/22 13:27	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/31/22 13:27	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/31/22 13:27	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/31/22 13:27	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/31/22 13:27	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/31/22 13:27	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/31/22 13:27	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/31/22 13:27	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/31/22 13:27	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/31/22 13:27	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/31/22 13:27	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-723402/10

Matrix: Water

Analysis Batch: 723402

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/31/22 13:27	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/31/22 13:27	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/31/22 13:27	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/31/22 13:27	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/31/22 13:27	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/31/22 13:27	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/31/22 13:27	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/31/22 13:27	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/31/22 13:27	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/31/22 13:27	1
Iodomethane	3.9	U	10	3.9	ug/L			05/31/22 13:27	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/31/22 13:27	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/31/22 13:27	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/31/22 13:27	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/22 13:27	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/31/22 13:27	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/31/22 13:27	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/31/22 13:27	1
Toluene	0.25	U	1.0	0.25	ug/L			05/31/22 13:27	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/31/22 13:27	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/31/22 13:27	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/31/22 13:27	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/31/22 13:27	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/31/22 13:27	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/31/22 13:27	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/31/22 13:27	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/22 13:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130		05/31/22 13:27	1
1,2-Dichloroethane-d4 (Surr)	94		60 - 124		05/31/22 13:27	1
Dibromofluoromethane (Surr)	106		70 - 130		05/31/22 13:27	1
4-Bromofluorobenzene (Surr)	93		70 - 130		05/31/22 13:27	1

Lab Sample ID: LCS 680-723402/5

Matrix: Water

Analysis Batch: 723402

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	276		ug/L		110	67 - 120
Acrylonitrile	500	520		ug/L		104	70 - 130
Benzene	50.0	49.9		ug/L		100	70 - 130
Bromochloromethane	50.0	46.8		ug/L		94	70 - 130
Bromodichloromethane	50.0	48.9		ug/L		98	70 - 130
Bromoform	50.0	62.6		ug/L		125	69 - 129
Bromomethane	50.0	45.5		ug/L		91	28 - 192
2-Butanone (MEK)	250	267		ug/L		107	69 - 120
Carbon disulfide	50.0	47.3		ug/L		95	70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCS 680-723402/5

Matrix: Water

Analysis Batch: 723402

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	47.9		ug/L		96	70 - 130
Chlorobenzene	50.0	51.6		ug/L		103	70 - 130
Chloroethane	50.0	56.3		ug/L		113	31 - 213
Chloroform	50.0	48.2		ug/L		96	70 - 130
Chloromethane	50.0	37.6		ug/L		75	59 - 127
Dibromochloromethane	50.0	54.5		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	62.3		ug/L		125	70 - 130
1,2-Dibromoethane	50.0	57.4		ug/L		115	70 - 130
Dibromomethane	50.0	52.3		ug/L		105	70 - 130
1,2-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130
trans-1,4-Dichloro-2-butene	50.0	53.8		ug/L		108	67 - 120
1,1-Dichloroethane	50.0	47.2		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	49.9		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 130
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
1,1-Dichloroethene	50.0	48.6		ug/L		97	70 - 130
1,2-Dichloropropane	50.0	51.2		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	54.8		ug/L		110	70 - 130
cis-1,3-Dichloropropene	50.0	51.7		ug/L		103	70 - 130
trans-1,3-Dichloropropene	50.0	53.0		ug/L		106	70 - 130
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130
2-Hexanone	250	319		ug/L		128	70 - 130
Iodomethane	50.0	34.1		ug/L		68	52 - 129
Methylene Chloride	50.0	48.6		ug/L		97	70 - 130
4-Methyl-2-pentanone (MIBK)	250	314	*+	ug/L		125	68 - 120
Methyl tert-butyl ether	50.0	53.9		ug/L		108	70 - 130
Styrene	50.0	50.2		ug/L		100	70 - 130
1,1,1,2-Tetrachloroethane	50.0	57.1		ug/L		114	70 - 130
1,1,2,2-Tetrachloroethane	50.0	59.0		ug/L		118	70 - 130
Tetrachloroethylene	50.0	55.7		ug/L		111	70 - 130
Toluene	50.0	52.0		ug/L		104	70 - 130
1,1,1-Trichloroethane	50.0	47.9		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	53.7		ug/L		107	70 - 130
Trichloroethene	50.0	54.5		ug/L		109	70 - 130
Trichlorofluoromethane	50.0	50.5		ug/L		101	63 - 142
1,2,3-Trichloropropane	50.0	61.0		ug/L		122	70 - 130
Vinyl acetate	100	61.6	*-	ug/L		62	67 - 135
Vinyl chloride	50.0	48.9		ug/L		98	66 - 129
Xylenes, Total	100	98.3		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		60 - 124
Dibromofluoromethane (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCSD 680-723402/6

Matrix: Water

Analysis Batch: 723402

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
Acetone	250	272		ug/L		109	67 - 120	1	30
Acrylonitrile	500	521		ug/L		104	70 - 130	0	30
Benzene	50.0	49.0		ug/L		98	70 - 130	2	30
Bromochloromethane	50.0	47.6		ug/L		95	70 - 130	2	30
Bromodichloromethane	50.0	47.9		ug/L		96	70 - 130	2	30
Bromoform	50.0	61.7		ug/L		123	69 - 129	2	30
Bromomethane	50.0	47.7		ug/L		95	28 - 192	5	30
2-Butanone (MEK)	250	259		ug/L		104	69 - 120	3	30
Carbon disulfide	50.0	46.5		ug/L		93	70 - 130	2	30
Carbon tetrachloride	50.0	47.5		ug/L		95	70 - 130	1	30
Chlorobenzene	50.0	50.4		ug/L		101	70 - 130	2	30
Chloroethane	50.0	56.7		ug/L		113	31 - 213	1	30
Chloroform	50.0	47.3		ug/L		95	70 - 130	2	30
Chloromethane	50.0	38.5		ug/L		77	59 - 127	2	30
Dibromochloromethane	50.0	54.0		ug/L		108	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	50.0	59.1		ug/L		118	70 - 130	5	30
1,2-Dibromoethane	50.0	55.9		ug/L		112	70 - 130	3	30
Dibromomethane	50.0	51.3		ug/L		103	70 - 130	2	30
1,2-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 130	4	30
1,4-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 130	4	30
trans-1,4-Dichloro-2-butene	50.0	53.5		ug/L		107	67 - 120	1	30
1,1-Dichloroethane	50.0	46.3		ug/L		93	70 - 130	2	30
1,2-Dichloroethane	50.0	50.1		ug/L		100	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 130	0	30
1,1-Dichloroethene	50.0	47.4		ug/L		95	70 - 130	2	20
1,2-Dichloropropane	50.0	50.7		ug/L		101	70 - 130	1	20
1,3-Dichloropropane	50.0	53.7		ug/L		107	70 - 130	2	20
cis-1,3-Dichloropropene	50.0	51.1		ug/L		102	70 - 130	1	20
trans-1,3-Dichloropropene	50.0	51.7		ug/L		103	70 - 130	2	30
Ethylbenzene	50.0	48.4		ug/L		97	70 - 130	5	20
2-Hexanone	250	304		ug/L		121	70 - 130	5	20
Iodomethane	50.0	33.6		ug/L		67	52 - 129	2	30
Methylene Chloride	50.0	48.0		ug/L		96	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	307	*+	ug/L		123	68 - 120	2	30
Methyl tert-butyl ether	50.0	53.3		ug/L		107	70 - 130	1	30
Styrene	50.0	48.5		ug/L		97	70 - 130	4	30
1,1,1,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 130	3	30
1,1,2,2-Tetrachloroethane	50.0	59.2		ug/L		118	70 - 130	0	30
Tetrachloroethylene	50.0	53.9		ug/L		108	70 - 130	3	30
Toluene	50.0	50.3		ug/L		101	70 - 130	3	30
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	70 - 130	3	30
1,1,2-Trichloroethane	50.0	52.7		ug/L		105	70 - 130	2	30
Trichloroethene	50.0	54.2		ug/L		108	70 - 130	1	30
Trichlorofluoromethane	50.0	50.7		ug/L		101	63 - 142	0	30
1,2,3-Trichloropropane	50.0	61.2		ug/L		122	70 - 130	0	30
Vinyl acetate	100	70.3		ug/L		70	67 - 135	13	30
Vinyl chloride	50.0	48.3		ug/L		97	66 - 129	1	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCSD 680-723402/6

Matrix: Water

Analysis Batch: 723402

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
Xylenes, Total	100	94.7		ug/L		95	70 - 130	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Toluene-d8 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		60 - 124
Dibromofluoromethane (Surr)	103		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 680-723424/9

Matrix: Water

Analysis Batch: 723424

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			05/31/22 12:37	1
Acrylonitrile	5.5	U	20	5.5	ug/L			05/31/22 12:37	1
Benzene	0.27	U	1.0	0.27	ug/L			05/31/22 12:37	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			05/31/22 12:37	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			05/31/22 12:37	1
Bromoform	0.59	U	1.0	0.59	ug/L			05/31/22 12:37	1
Bromomethane	3.7	U	5.0	3.7	ug/L			05/31/22 12:37	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			05/31/22 12:37	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			05/31/22 12:37	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			05/31/22 12:37	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			05/31/22 12:37	1
Chloroethane	4.6	U	5.0	4.6	ug/L			05/31/22 12:37	1
Chloroform	0.27	U	1.0	0.27	ug/L			05/31/22 12:37	1
Chloromethane	0.54	U	1.0	0.54	ug/L			05/31/22 12:37	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			05/31/22 12:37	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			05/31/22 12:37	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			05/31/22 12:37	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			05/31/22 12:37	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/31/22 12:37	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			05/31/22 12:37	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			05/31/22 12:37	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			05/31/22 12:37	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			05/31/22 12:37	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			05/31/22 12:37	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			05/31/22 12:37	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			05/31/22 12:37	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			05/31/22 12:37	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			05/31/22 12:37	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			05/31/22 12:37	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			05/31/22 12:37	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			05/31/22 12:37	1
2-Hexanone	3.2	U	10	3.2	ug/L			05/31/22 12:37	1
Iodomethane	3.9	U	10	3.9	ug/L			05/31/22 12:37	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			05/31/22 12:37	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			05/31/22 12:37	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-723424/9

Matrix: Water

Analysis Batch: 723424

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			05/31/22 12:37	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/22 12:37	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			05/31/22 12:37	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			05/31/22 12:37	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			05/31/22 12:37	1
Toluene	0.25	U	1.0	0.25	ug/L			05/31/22 12:37	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			05/31/22 12:37	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			05/31/22 12:37	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			05/31/22 12:37	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			05/31/22 12:37	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			05/31/22 12:37	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			05/31/22 12:37	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			05/31/22 12:37	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/22 12:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130		05/31/22 12:37	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 124		05/31/22 12:37	1
Dibromofluoromethane (Surr)	103		70 - 130		05/31/22 12:37	1
4-Bromofluorobenzene (Surr)	90		70 - 130		05/31/22 12:37	1

Lab Sample ID: LCS 680-723424/4

Matrix: Water

Analysis Batch: 723424

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	272		ug/L		109	67 - 120
Acrylonitrile	500	519		ug/L		104	70 - 130
Benzene	50.0	51.0		ug/L		102	70 - 130
Bromochloromethane	50.0	56.7		ug/L		113	70 - 130
Bromodichloromethane	50.0	49.1		ug/L		98	70 - 130
Bromoform	50.0	58.3		ug/L		117	69 - 129
Bromomethane	50.0	38.5		ug/L		77	28 - 192
2-Butanone (MEK)	250	254		ug/L		102	69 - 120
Carbon disulfide	50.0	49.8		ug/L		100	70 - 130
Carbon tetrachloride	50.0	50.6		ug/L		101	70 - 130
Chlorobenzene	50.0	50.9		ug/L		102	70 - 130
Chloroethane	50.0	61.1		ug/L		122	31 - 213
Chloroform	50.0	51.6		ug/L		103	70 - 130
Chloromethane	50.0	47.7		ug/L		95	59 - 127
Dibromochloromethane	50.0	52.2		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/L		105	70 - 130
1,2-Dibromoethane	50.0	55.1		ug/L		110	70 - 130
Dibromomethane	50.0	51.2		ug/L		102	70 - 130
1,2-Dichlorobenzene	50.0	53.0		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 130
trans-1,4-Dichloro-2-butene	50.0	49.6		ug/L		99	67 - 120
1,1-Dichloroethane	50.0	52.0		ug/L		104	70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCS 680-723424/4

Matrix: Water

Analysis Batch: 723424

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	51.3		ug/L		103	70 - 130
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 130
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	70 - 130
1,1-Dichloroethene	50.0	51.4		ug/L		103	70 - 130
1,2-Dichloropropane	50.0	50.3		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	54.0		ug/L		108	70 - 130
cis-1,3-Dichloropropene	50.0	52.0		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	52.2		ug/L		104	70 - 130
Ethylbenzene	50.0	54.0		ug/L		108	70 - 130
2-Hexanone	250	273		ug/L		109	70 - 130
Iodomethane	50.0	24.5	*-	ug/L		49	52 - 129
Methylene Chloride	50.0	54.1		ug/L		108	70 - 130
4-Methyl-2-pentanone (MIBK)	250	282		ug/L		113	68 - 120
Methyl tert-butyl ether	50.0	46.1		ug/L		92	70 - 130
Styrene	50.0	55.9		ug/L		112	70 - 130
1,1,1,2-Tetrachloroethane	50.0	57.1		ug/L		114	70 - 130
1,1,2,2-Tetrachloroethane	50.0	55.0		ug/L		110	70 - 130
Tetrachloroethylene	50.0	59.6		ug/L		119	70 - 130
Toluene	50.0	53.4		ug/L		107	70 - 130
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	70 - 130
Trichloroethene	50.0	54.0		ug/L		108	70 - 130
Trichlorofluoromethane	50.0	48.2		ug/L		96	63 - 142
1,2,3-Trichloropropane	50.0	56.5		ug/L		113	70 - 130
Vinyl acetate	100	95.4		ug/L		95	67 - 135
Vinyl chloride	50.0	48.5		ug/L		97	66 - 129
Xylenes, Total	100	107		ug/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		60 - 124
Dibromofluoromethane (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 680-723424/5

Matrix: Water

Analysis Batch: 723424

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
Acetone	250	278		ug/L		111	67 - 120	2	30
Acrylonitrile	500	514		ug/L		103	70 - 130	1	30
Benzene	50.0	51.1		ug/L		102	70 - 130	0	30
Bromochloromethane	50.0	56.7		ug/L		113	70 - 130	0	30
Bromodichloromethane	50.0	48.7		ug/L		97	70 - 130	1	30
Bromoform	50.0	57.5		ug/L		115	69 - 129	1	30
Bromomethane	50.0	40.5		ug/L		81	28 - 192	5	30
2-Butanone (MEK)	250	246		ug/L		98	69 - 120	4	30
Carbon disulfide	50.0	50.2		ug/L		100	70 - 130	1	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCSD 680-723424/5

Matrix: Water

Analysis Batch: 723424

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
Carbon tetrachloride	50.0	51.0		ug/L		102	70 - 130	1	30
Chlorobenzene	50.0	50.8		ug/L		102	70 - 130	0	30
Chloroethane	50.0	61.4		ug/L		123	31 - 213	0	30
Chloroform	50.0	51.8		ug/L		104	70 - 130	0	30
Chloromethane	50.0	48.3		ug/L		97	59 - 127	1	30
Dibromochloromethane	50.0	52.1		ug/L		104	70 - 130	0	30
1,2-Dibromo-3-Chloropropane	50.0	51.3		ug/L		103	70 - 130	3	30
1,2-Dibromoethane	50.0	55.3		ug/L		111	70 - 130	0	30
Dibromomethane	50.0	51.0		ug/L		102	70 - 130	0	30
1,2-Dichlorobenzene	50.0	52.8		ug/L		106	70 - 130	0	30
1,4-Dichlorobenzene	50.0	53.2		ug/L		106	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	49.2		ug/L		98	67 - 120	1	30
1,1-Dichloroethane	50.0	52.4		ug/L		105	70 - 130	1	30
1,2-Dichloroethane	50.0	50.2		ug/L		100	70 - 130	2	50
cis-1,2-Dichloroethene	50.0	51.0		ug/L		102	70 - 130	2	30
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 130	1	30
1,1-Dichloroethene	50.0	53.5		ug/L		107	70 - 130	4	20
1,2-Dichloropropane	50.0	50.9		ug/L		102	70 - 130	1	20
1,3-Dichloropropane	50.0	53.7		ug/L		107	70 - 130	0	20
cis-1,3-Dichloropropene	50.0	51.3		ug/L		103	70 - 130	1	20
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	70 - 130	1	30
Ethylbenzene	50.0	54.5		ug/L		109	70 - 130	1	20
2-Hexanone	250	271		ug/L		108	70 - 130	1	20
Iodomethane	50.0	26.7		ug/L		53	52 - 129	9	30
Methylene Chloride	50.0	54.2		ug/L		108	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	250	279		ug/L		111	68 - 120	1	30
Methyl tert-butyl ether	50.0	45.4		ug/L		91	70 - 130	2	30
Styrene	50.0	56.2		ug/L		112	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	55.9		ug/L		112	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	52.9		ug/L		106	70 - 130	4	30
Tetrachloroethylene	50.0	59.7		ug/L		119	70 - 130	0	30
Toluene	50.0	52.9		ug/L		106	70 - 130	1	30
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	70 - 130	1	30
1,1,2-Trichloroethane	50.0	51.7		ug/L		103	70 - 130	1	30
Trichloroethene	50.0	54.1		ug/L		108	70 - 130	0	30
Trichlorofluoromethane	50.0	48.2		ug/L		96	63 - 142	0	30
1,2,3-Trichloropropane	50.0	55.4		ug/L		111	70 - 130	2	30
Vinyl acetate	100	81.8		ug/L		82	67 - 135	15	30
Vinyl chloride	50.0	49.0		ug/L		98	66 - 129	1	30
Xylenes, Total	100	107		ug/L		107	70 - 130	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		60 - 124
Dibromofluoromethane (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	88		70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-723618/9

Matrix: Water

Analysis Batch: 723618

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/01/22 13:04	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 13:04	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 13:04	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 13:04	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 13:04	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 13:04	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 13:04	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 13:04	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 13:04	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 13:04	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 13:04	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 13:04	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 13:04	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 13:04	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 13:04	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 13:04	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 13:04	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 13:04	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 13:04	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 13:04	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 13:04	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 13:04	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 13:04	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 13:04	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 13:04	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 13:04	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 13:04	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 13:04	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 13:04	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 13:04	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 13:04	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 13:04	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 13:04	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 13:04	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 13:04	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 13:04	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 13:04	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 13:04	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 13:04	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 13:04	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 13:04	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 13:04	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 13:04	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/01/22 13:04	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/01/22 13:04	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 13:04	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/01/22 13:04	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 13:04	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: MB 680-723618/9

Matrix: Water

Analysis Batch: 723618

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 13:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		06/01/22 13:04	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		06/01/22 13:04	1
Dibromofluoromethane (Surr)	111		70 - 130		06/01/22 13:04	1
4-Bromofluorobenzene (Surr)	105		70 - 130		06/01/22 13:04	1

Lab Sample ID: LCS 680-723618/4

Matrix: Water

Analysis Batch: 723618

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	194		ug/L		78	67 - 120
Acrylonitrile	500	417		ug/L		83	70 - 130
Benzene	50.0	49.6		ug/L		99	70 - 130
Bromochloromethane	50.0	47.3		ug/L		95	70 - 130
Bromodichloromethane	50.0	46.9		ug/L		94	70 - 130
Bromoform	50.0	41.8		ug/L		84	69 - 129
Bromomethane	50.0	49.6		ug/L		99	28 - 192
2-Butanone (MEK)	250	206		ug/L		82	69 - 120
Carbon disulfide	50.0	62.5		ug/L		125	70 - 130
Carbon tetrachloride	50.0	37.3		ug/L		75	70 - 130
Chlorobenzene	50.0	46.2		ug/L		92	70 - 130
Chloroethane	50.0	52.9		ug/L		106	31 - 213
Chloroform	50.0	50.8		ug/L		102	70 - 130
Chloromethane	50.0	73.7	*+	ug/L		147	59 - 127
Dibromochloromethane	50.0	40.3		ug/L		81	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	33.1	*-	ug/L		66	70 - 130
1,2-Dibromoethane	50.0	39.6		ug/L		79	70 - 130
Dibromomethane	50.0	48.2		ug/L		96	70 - 130
1,2-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	46.3		ug/L		93	70 - 130
trans-1,4-Dichloro-2-butene	50.0	30.9	*-	ug/L		62	67 - 120
1,1-Dichloroethane	50.0	53.2		ug/L		106	70 - 130
1,2-Dichloroethane	50.0	50.2		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	50.9		ug/L		102	70 - 130
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	70 - 130
1,1-Dichloroethene	50.0	58.3		ug/L		117	70 - 130
1,2-Dichloropropane	50.0	49.6		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	42.5		ug/L		85	70 - 130
cis-1,3-Dichloropropene	50.0	42.9		ug/L		86	70 - 130
trans-1,3-Dichloropropene	50.0	41.1		ug/L		82	70 - 130
Ethylbenzene	50.0	46.3		ug/L		93	70 - 130
2-Hexanone	250	167	*-	ug/L		67	70 - 130
Iodomethane	50.0	46.3		ug/L		93	52 - 129
Methylene Chloride	50.0	46.9		ug/L		94	70 - 130
4-Methyl-2-pentanone (MIBK)	250	181		ug/L		72	68 - 120

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCS 680-723618/4

Matrix: Water

Analysis Batch: 723618

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	50.0	45.1		ug/L		90	70 - 130
Styrene	50.0	43.0		ug/L		86	70 - 130
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	70 - 130
Tetrachloroethylene	50.0	40.1		ug/L		80	70 - 130
Toluene	50.0	42.4		ug/L		85	70 - 130
1,1,1-Trichloroethane	50.0	40.4		ug/L		81	70 - 130
1,1,2-Trichloroethane	50.0	43.0		ug/L		86	70 - 130
Trichloroethene	50.0	42.0		ug/L		84	70 - 130
Trichlorofluoromethane	50.0	85.7	*+	ug/L		171	63 - 142
1,2,3-Trichloropropane	50.0	45.3		ug/L		91	70 - 130
Vinyl acetate	100	55.6	*-	ug/L		56	67 - 135
Vinyl chloride	50.0	48.0		ug/L		96	66 - 129
Xylenes, Total	100	91.5		ug/L		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		60 - 124
Dibromofluoromethane (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 680-723618/5

Matrix: Water

Analysis Batch: 723618

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
Acetone	250	205		ug/L		82	67 - 120	6	30
Acrylonitrile	500	429		ug/L		86	70 - 130	3	30
Benzene	50.0	49.1		ug/L		98	70 - 130	1	30
Bromochloromethane	50.0	46.6		ug/L		93	70 - 130	1	30
Bromodichloromethane	50.0	46.2		ug/L		92	70 - 130	2	30
Bromoform	50.0	40.7		ug/L		81	69 - 129	3	30
Bromomethane	50.0	48.6		ug/L		97	28 - 192	2	30
2-Butanone (MEK)	250	213		ug/L		85	69 - 120	3	30
Carbon disulfide	50.0	61.9		ug/L		124	70 - 130	1	30
Carbon tetrachloride	50.0	37.3		ug/L		75	70 - 130	0	30
Chlorobenzene	50.0	45.7		ug/L		91	70 - 130	1	30
Chloroethane	50.0	53.4		ug/L		107	31 - 213	1	30
Chloroform	50.0	50.0		ug/L		100	70 - 130	2	30
Chloromethane	50.0	74.5	*+	ug/L		149	59 - 127	1	30
Dibromochloromethane	50.0	39.6		ug/L		79	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	35.5		ug/L		71	70 - 130	7	30
1,2-Dibromoethane	50.0	39.3		ug/L		79	70 - 130	1	30
Dibromomethane	50.0	47.5		ug/L		95	70 - 130	2	30
1,2-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 130	1	30
1,4-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 130	0	30
trans-1,4-Dichloro-2-butene	50.0	29.2	*-	ug/L		58	67 - 120	6	30
1,1-Dichloroethane	50.0	52.9		ug/L		106	70 - 130	1	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

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

Lab Sample ID: LCSD 680-723618/5

Matrix: Water

Analysis Batch: 723618

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
1,2-Dichloroethane	50.0	50.7		ug/L		101	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130	2	30
trans-1,2-Dichloroethene	50.0	53.2		ug/L		106	70 - 130	3	30
1,1-Dichloroethene	50.0	57.3		ug/L		115	70 - 130	2	20
1,2-Dichloropropane	50.0	49.0		ug/L		98	70 - 130	1	20
1,3-Dichloropropane	50.0	43.1		ug/L		86	70 - 130	1	20
cis-1,3-Dichloropropene	50.0	42.5		ug/L		85	70 - 130	1	20
trans-1,3-Dichloropropene	50.0	41.0		ug/L		82	70 - 130	0	30
Ethylbenzene	50.0	45.7		ug/L		91	70 - 130	1	20
2-Hexanone	250	170	*-	ug/L		68	70 - 130	2	20
Iodomethane	50.0	46.5		ug/L		93	52 - 129	0	30
Methylene Chloride	50.0	46.3		ug/L		93	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	180		ug/L		72	68 - 120	0	30
Methyl tert-butyl ether	50.0	46.8		ug/L		94	70 - 130	4	30
Styrene	50.0	42.4		ug/L		85	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	46.3		ug/L		93	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 130	0	30
Tetrachloroethylene	50.0	39.9		ug/L		80	70 - 130	1	30
Toluene	50.0	42.0		ug/L		84	70 - 130	1	30
1,1,1-Trichloroethane	50.0	40.3		ug/L		81	70 - 130	0	30
1,1,2-Trichloroethane	50.0	42.8		ug/L		86	70 - 130	1	30
Trichloroethene	50.0	41.8		ug/L		84	70 - 130	0	30
Trichlorofluoromethane	50.0	88.5	*+	ug/L		177	63 - 142	3	30
1,2,3-Trichloropropane	50.0	45.8		ug/L		92	70 - 130	1	30
Vinyl acetate	100	52.5	*-	ug/L		53	67 - 135	6	30
Vinyl chloride	50.0	50.4		ug/L		101	66 - 129	5	30
Xylenes, Total	100	89.7		ug/L		90	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		60 - 124
Dibromofluoromethane (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	106		70 - 130

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-722564/8

Matrix: Water

Analysis Batch: 722564

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.57	U	0.58	0.57	ug/L			05/25/22 10:54	1
Ethane	0.30	U	1.1	0.30	ug/L			05/25/22 10:54	1
Ethene	0.31	U	1.0	0.31	ug/L			05/25/22 10:54	1

Eurofins Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-722564/1006

Matrix: Water

Analysis Batch: 722564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	192	191		ug/L		99	75 - 125
Ethane	361	354		ug/L		98	75 - 125
Ethene	337	324		ug/L		96	75 - 125

Lab Sample ID: LCS 680-722564/3

Matrix: Water

Analysis Batch: 722564

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane (TCD)	1920	1960		ug/L		102	75 - 125

Lab Sample ID: LCSD 680-722564/4

Matrix: Water

Analysis Batch: 722564

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
Methane (TCD)	1920	1990		ug/L		104	75 - 125	2	30

Lab Sample ID: LCSD 680-722564/7

Matrix: Water

Analysis Batch: 722564

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
Methane	192	188		ug/L		98	75 - 125	2	30
Ethane	361	344		ug/L		96	75 - 125	3	30
Ethene	337	318		ug/L		94	75 - 125	2	30

Lab Sample ID: MB 680-722845/8

Matrix: Water

Analysis Batch: 722845

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.57	U	0.58	0.57	ug/L			05/26/22 12:31	1
Ethane	0.30	U	1.1	0.30	ug/L			05/26/22 12:31	1
Ethene	0.31	U	1.0	0.31	ug/L			05/26/22 12:31	1

Lab Sample ID: LCS 680-722845/3

Matrix: Water

Analysis Batch: 722845

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane (TCD)	1920	1860		ug/L		97	75 - 125

Lab Sample ID: LCS 680-722845/6

Matrix: Water

Analysis Batch: 722845

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	192	179		ug/L		93	75 - 125
Ethane	361	340		ug/L		94	75 - 125

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-722845/6

Matrix: Water

Analysis Batch: 722845

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethene	337	308		ug/L		92	75 - 125

Lab Sample ID: LCSD 680-722845/4

Matrix: Water

Analysis Batch: 722845

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
Methane (TCD)	1920	1710		ug/L		89	75 - 125	8	30

Lab Sample ID: LCSD 680-722845/7

Matrix: Water

Analysis Batch: 722845

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
Methane	192	176		ug/L		92	75 - 125	1	30
Ethene	361	337		ug/L		94	75 - 125	1	30
Ethene	337	304		ug/L		90	75 - 125	1	30

Lab Sample ID: 680-215822-6 MS

Matrix: Water

Analysis Batch: 722845

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethene	41		361	401		ug/L		100	75 - 125
Ethene	11		337	335		ug/L		96	75 - 125

Lab Sample ID: 680-215822-6 MSD

Matrix: Water

Analysis Batch: 722845

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethene	41		361	374		ug/L		92	75 - 125	7	30
Ethene	11		337	313		ug/L		90	75 - 125	7	30

Lab Sample ID: MB 680-723075/8

Matrix: Water

Analysis Batch: 723075

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.57	U	0.58	0.57	ug/L			05/27/22 14:21	1
Ethene	0.30	U	1.1	0.30	ug/L			05/27/22 14:21	1
Ethene	0.31	U	1.0	0.31	ug/L			05/27/22 14:21	1

Lab Sample ID: LCS 680-723075/3

Matrix: Water

Analysis Batch: 723075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane (TCD)	1920	1880		ug/L		98	75 - 125

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-723075/6

Matrix: Water

Analysis Batch: 723075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane	192	163		ug/L		85	75 - 125
Ethane	361	312		ug/L		86	75 - 125
Ethene	337	281		ug/L		83	75 - 125

Lab Sample ID: LCSD 680-723075/4

Matrix: Water

Analysis Batch: 723075

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
Methane (TCD)	1920	1900		ug/L		99	75 - 125	1	30

Lab Sample ID: LCSD 680-723075/7

Matrix: Water

Analysis Batch: 723075

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
Methane	192	174		ug/L		90	75 - 125	6	30
Ethane	361	332		ug/L		92	75 - 125	6	30
Ethene	337	299		ug/L		89	75 - 125	6	30

Lab Sample ID: 680-215822-6 MS

Matrix: Water

Analysis Batch: 723075

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Methane (TCD)	50000		1920	58100	4	ug/L		419	75 - 125

Lab Sample ID: 680-215822-6 MSD

Matrix: Water

Analysis Batch: 723075

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methane (TCD)	50000		1920	56900	4	ug/L		356	75 - 125	2	30

QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

GC/MS VOA

Analysis Batch: 722996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-1	OLF-G71 Port 1	Total/NA	Water	8260D	
680-215822-2	OLF-G71 Port 2	Total/NA	Water	8260D	
680-215822-3	OLF-G71 Port 3	Total/NA	Water	8260D	
680-215822-4	OLF-G71 Port 4	Total/NA	Water	8260D	
680-215822-5	OLF-G71 Port 5	Total/NA	Water	8260D	
680-215822-6	OLF-G72 Port 1	Total/NA	Water	8260D	
680-215822-10	OLF-G72 Port 5	Total/NA	Water	8260D	
680-215822-11	OLF-G72 Port 6	Total/NA	Water	8260D	
680-215822-12	OLF-G73 Port 1	Total/NA	Water	8260D	
680-215822-13	OLF-G73 Port 2	Total/NA	Water	8260D	
680-215822-14	OLF-G73 Port 3	Total/NA	Water	8260D	
680-215822-15	OLF-G73 Port 4	Total/NA	Water	8260D	
680-215822-16	OLF-G73 Port 5	Total/NA	Water	8260D	
680-215822-20	OLF-G74 Port 1	Total/NA	Water	8260D	
680-215822-22	OLF-G74 Port 3	Total/NA	Water	8260D	
680-215822-23	OLF-G74 Port 4	Total/NA	Water	8260D	
680-215822-24	OLF-G74 Port 5	Total/NA	Water	8260D	
MB 680-722996/9	Method Blank	Total/NA	Water	8260D	
LCS 680-722996/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-722996/5	Lab Control Sample Dup	Total/NA	Water	8260D	
680-215822-6 MS	OLF-G72 Port 1	Total/NA	Water	8260D	
680-215822-6 MSD	OLF-G72 Port 1	Total/NA	Water	8260D	

Analysis Batch: 723051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-8	OLF-G72 Port 3	Total/NA	Water	8260D	
680-215822-9	OLF-G72 Port 4	Total/NA	Water	8260D	
MB 680-723051/10	Method Blank	Total/NA	Water	8260D	
LCS 680-723051/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723051/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-27	OLF-G24	Total/NA	Water	8260D	
680-215822-28	OLF-G47	Total/NA	Water	8260D	
680-215822-29	OLF-G48	Total/NA	Water	8260D	
680-215822-33	OLF-G23	Total/NA	Water	8260D	
680-215822-34	OLF-G35	Total/NA	Water	8260D	
680-215822-39	DUP398	Total/NA	Water	8260D	
MB 680-723201/9	Method Blank	Total/NA	Water	8260D	
LCS 680-723201/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723201/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-7	OLF-G72 Port 2	Total/NA	Water	8260D	
680-215822-17	OLF-G19	Total/NA	Water	8260D	
680-215822-18	DUP399	Total/NA	Water	8260D	
680-215822-21	OLF-G74 Port 2	Total/NA	Water	8260D	
680-215822-25	OLF-G21	Total/NA	Water	8260D	
680-215822-26	OLF-G36	Total/NA	Water	8260D	

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QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

GC/MS VOA (Continued)

Analysis Batch: 723346 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-30	OLF-G12	Total/NA	Water	8260D	
680-215822-32	OLF-G18	Total/NA	Water	8260D	
680-215822-36	OLF-G32	Total/NA	Water	8260D	
680-215822-37	TB599	Total/NA	Water	8260D	
680-215822-38	DUP395	Total/NA	Water	8260D	
MB 680-723346/9	Method Blank	Total/NA	Water	8260D	
LCS 680-723346/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723346/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-31	OLF-G22	Total/NA	Water	8260D	
MB 680-723402/10	Method Blank	Total/NA	Water	8260D	
LCS 680-723402/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723402/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-35	OLF-G31	Total/NA	Water	8260D	
MB 680-723424/9	Method Blank	Total/NA	Water	8260D	
LCS 680-723424/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723424/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-19	TB598	Total/NA	Water	8260D	
680-215822-35	OLF-G31	Total/NA	Water	8260D	
MB 680-723618/9	Method Blank	Total/NA	Water	8260D	
LCS 680-723618/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723618/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 722564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-7	OLF-G72 Port 2	Total/NA	Water	RSK-175	
680-215822-8	OLF-G72 Port 3	Total/NA	Water	RSK-175	
680-215822-9	OLF-G72 Port 4	Total/NA	Water	RSK-175	
680-215822-10	OLF-G72 Port 5	Total/NA	Water	RSK-175	
680-215822-11	OLF-G72 Port 6	Total/NA	Water	RSK-175	
680-215822-12	OLF-G73 Port 1	Total/NA	Water	RSK-175	
680-215822-13	OLF-G73 Port 2	Total/NA	Water	RSK-175	
680-215822-14	OLF-G73 Port 3	Total/NA	Water	RSK-175	
680-215822-15	OLF-G73 Port 4	Total/NA	Water	RSK-175	
680-215822-16	OLF-G73 Port 5	Total/NA	Water	RSK-175	
MB 680-722564/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-722564/1006	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-722564/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-722564/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-722564/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

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QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

GC VOA

Analysis Batch: 722845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-6	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-215822-7	OLF-G72 Port 2	Total/NA	Water	RSK-175	
680-215822-9	OLF-G72 Port 4	Total/NA	Water	RSK-175	
680-215822-18	DUP399	Total/NA	Water	RSK-175	
680-215822-30	OLF-G12	Total/NA	Water	RSK-175	
680-215822-33	OLF-G23	Total/NA	Water	RSK-175	
MB 680-722845/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-722845/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-722845/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-722845/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-722845/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-215822-6 MS	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-215822-6 MSD	OLF-G72 Port 1	Total/NA	Water	RSK-175	

Analysis Batch: 723075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215822-6	OLF-G72 Port 1	Total/NA	Water	RSK-175	
MB 680-723075/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-723075/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-723075/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-723075/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-723075/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-215822-6 MS	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-215822-6 MSD	OLF-G72 Port 1	Total/NA	Water	RSK-175	

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-215822-1

Date Collected: 05/16/22 16:30

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 18:21	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-215822-2

Date Collected: 05/16/22 16:33

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 16:01	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-215822-3

Date Collected: 05/16/22 16:36

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 16:24	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-215822-4

Date Collected: 05/16/22 16:39

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 16:48	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-215822-5

Date Collected: 05/16/22 16:42

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 17:11	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-215822-6

Date Collected: 05/16/22 14:15

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 22:38	Y1S	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722845	05/26/22 14:47	JCK	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	RSK-175		10	17 mL	17 mL	723075	05/27/22 17:03	JCK	TAL SAV
Instrument ID: CVGU										

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-215822-7

Date Collected: 05/16/22 14:19

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 13:24	Y1S	TAL SAV
		Instrument ID: CMSB								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 15:17	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	RSK-175		10	17 mL	17 mL	722845	05/26/22 13:29	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-215822-8

Date Collected: 05/16/22 14:23

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723051	05/27/22 18:37	UI	TAL SAV
		Instrument ID: CMSB								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 15:30	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-215822-9

Date Collected: 05/16/22 14:27

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723051	05/27/22 18:57	UI	TAL SAV
		Instrument ID: CMSB								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 15:43	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	RSK-175		10	17 mL	17 mL	722845	05/26/22 13:42	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-215822-10

Date Collected: 05/16/22 14:31

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 17:34	Y1S	TAL SAV
		Instrument ID: CMSAB								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 15:56	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-215822-11

Date Collected: 05/16/22 14:35

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 17:58	Y1S	TAL SAV
		Instrument ID: CMSAB								

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-215822-11

Date Collected: 05/16/22 14:35

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 16:09	JCK	TAL SAV

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-215822-12

Date Collected: 05/16/22 12:11

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 18:45	Y1S	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 16:22	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-215822-13

Date Collected: 05/16/22 12:15

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 19:08	Y1S	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 16:38	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-215822-14

Date Collected: 05/16/22 12:19

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 19:31	Y1S	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 16:50	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-215822-15

Date Collected: 05/16/22 12:23

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 19:55	Y1S	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 17:03	JCK	TAL SAV
Instrument ID: CVGU										

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-215822-16

Date Collected: 05/16/22 12:27

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 20:18	Y1S	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722564	05/25/22 17:16	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G19

Lab Sample ID: 680-215822-17

Date Collected: 05/18/22 12:33

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 14:40	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: DUP399

Lab Sample ID: 680-215822-18

Date Collected: 05/18/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 14:59	Y1S	TAL SAV
Instrument ID: CMSC										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722845	05/26/22 13:55	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: TB598

Lab Sample ID: 680-215822-19

Date Collected: 05/19/22 10:00

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723618	06/01/22 13:37	P1C	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-215822-20

Date Collected: 05/16/22 09:35

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 20:42	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-215822-21

Date Collected: 05/16/22 09:37

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 13:42	Y1S	TAL SAV
Instrument ID: CMSC										

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Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-215822-22

Date Collected: 05/16/22 09:39

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 21:05	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-215822-23

Date Collected: 05/16/22 09:41

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 21:29	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-215822-24

Date Collected: 05/16/22 09:43

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	722996	05/27/22 21:52	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G21

Lab Sample ID: 680-215822-25

Date Collected: 05/18/22 14:50

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 15:37	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G36

Lab Sample ID: 680-215822-26

Date Collected: 05/18/22 10:10

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 15:18	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G24

Lab Sample ID: 680-215822-27

Date Collected: 05/17/22 12:25

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723201	05/28/22 19:46	Y1S	TAL SAV
Instrument ID: CMSAB										

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G47

Lab Sample ID: 680-215822-28

Date Collected: 05/17/22 10:30

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723201	05/28/22 20:09	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G48

Lab Sample ID: 680-215822-29

Date Collected: 05/17/22 09:20

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723201	05/28/22 20:33	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G12

Lab Sample ID: 680-215822-30

Date Collected: 05/18/22 11:05

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	723346	05/30/22 15:56	Y1S	TAL SAV
Instrument ID: CMSC										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722845	05/26/22 14:08	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G22

Lab Sample ID: 680-215822-31

Date Collected: 05/18/22 08:55

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723402	05/31/22 20:25	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G18

Lab Sample ID: 680-215822-32

Date Collected: 05/18/22 13:45

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 16:14	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G23

Lab Sample ID: 680-215822-33

Date Collected: 05/17/22 14:40

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723201	05/28/22 20:56	Y1S	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722845	05/26/22 14:21	JCK	TAL SAV
Instrument ID: CVGU										

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Client Sample ID: OLF-G35

Lab Sample ID: 680-215822-34

Date Collected: 05/17/22 13:30

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723201	05/28/22 21:20	Y1S	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G31

Lab Sample ID: 680-215822-35

Date Collected: 05/18/22 17:15

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723618	06/01/22 15:34	P1C	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	8260D		1	5 mL	5 mL	723424	05/31/22 15:52	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G32

Lab Sample ID: 680-215822-36

Date Collected: 05/18/22 16:15

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 16:33	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: TB599

Lab Sample ID: 680-215822-37

Date Collected: 05/19/22 10:20

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 16:52	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: DUP395

Lab Sample ID: 680-215822-38

Date Collected: 05/18/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723346	05/30/22 17:12	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: DUP398

Lab Sample ID: 680-215822-39

Date Collected: 05/17/22 00:00

Matrix: Water

Date Received: 05/20/22 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723201	05/28/22 21:43	Y1S	TAL SAV
Instrument ID: CMSAB										

Laboratory References:

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah

Accreditation/Certification Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-22

1

2

3

4

5

6

7

8

9

10

11

12

Method Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215822-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
5030C	Purge and Trap	SW846	TAL SAV

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175,
Rev. 0, 8/11/94, USEPA Research Lab
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins
 Lab Contact Noel Savore and Beth Daughtry
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2
 Lab contract: 21.094.22-05.2.500

COC Number 6662
 Cooler ID 1 of 2
 Page 1 of 1

Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD	Date Collected	Sample Time	Analysis			
								SW8260D - VOC	RSK-175 - M,E,F	SW9060A - TOC	SW8260D - VOC TB
OLF-G71 Port 1	NS	MW	Water	Grab		5/16/2022	1630	X			
OLF-G71 Port 2	NS	MW	Water	Grab		5/16/2022	1633	X			
OLF-G71 Port 3	NS	MW	Water	Grab		5/16/2022	1636	X			
OLF-G71 Port 4	NS	MW	Water	Grab		5/16/2022	1639	X			
OLF-G71 Port 5	NS	MW	Water	Grab		5/16/2022	1642	X			
OLF-G72 Port 1	NS	MW	Water	Grab	X	5/16/2022	1415	X	X		
OLF-G72 Port 2	NS	MW	Water	Grab		5/16/2022	1419	X	X		
OLF-G72 Port 3	NS	MW	Water	Grab		5/16/2022	1423	X	X		
OLF-G72 Port 4	NS	MW	Water	Grab		5/16/2022	1427	X	X		
OLF-G72 Port 5	NS	MW	Water	Grab		5/16/2022	1431	X	X		
OLF-G72 Port 6	NS	MW	Water	Grab		5/16/2022	1435	X	X		
OLF-G73 Port 1	NS	MW	Water	Grab		5/16/2022	1211	X	X		
OLF-G73 Port 2	NS	MW	Water	Grab		5/16/2022	1215	X	X		
OLF-G73 Port 3	NS	MW	Water	Grab		5/16/2022	1219	X	X		
OLF-G73 Port 4	NS	MW	Water	Grab		5/16/2022	1223	X	X		
OLF-G73 Port 5	NS	MW	Water	Grab		5/16/2022	1227	X	X		
OLF-G19	NS	MW	Water	BP		5/18/2022	1233	X			
DUP399	FD	MW	Water	BP		5/18/2022	N/A	X	X		
TB598	TB	TB	Water	Grab		5/19/2022	1000				X

NOTES:
 QC Code NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
 Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
 Sampling Methods B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt
 See Task Order 093 for required list of VOCs and metals.

Double the number of bottles for MS/MSD

COMMENTS:

Relinquished by (Signature)

James Tully

Date/Time

5/19/22 1600

Received by (Signature)

FedEx

Relinquished by (Signature)

Date/Time

Received by (Signature)

James Tully 5-20-22 1000

3.3/2.7 11/10.5



MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins
 Lab Contact Noel Savoie and Beth Daughtry
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2
 Lab contract: 21.094.22-05.2.500

COC Number 6631
 Cooler ID 2 of 2
 Page 1 of 2

Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD	Date Collected	Sample Time	Analysis			
								SW8260D - VOC	RSK-175 - M,E,F	SW9060A - TOC	SW8260D - VOC TB
OLF-G74 Port 1	NS	MW	Water	Grab		5/16/2022	0935	X			
OLF-G74 Port 2	NS	MW	Water	Grab		5/16/2022	0937	X			
OLF-G74 Port 3	NS	MW	Water	Grab		5/16/2022	0939	X			
OLF-G74 Port 4	NS	MW	Water	Grab		5/16/2022	0941	X			
OLF-G74 Port 5	NS	MW	Water	Grab		5/16/2022	0943	X			
OLF-G21	NS	MW	Water	BP		5/18/2022	1450	X			
OLF-G36	NS	MW	Water	BP		5/18/2022	1010	X			
OLF-G24	NS	MW	Water	BP		5/17/2022	1225	X			
OLF-G47	NS	MW	Water	BP		5/17/2022	1030	X			
OLF-G48	NS	MW	Water	BP		5/17/2022	0920	X			
OLF-G12	NS	MW	Water	BP		5/18/2022	1105	X	X		
OLF-G22	NS	MW	Water	BP		5/18/2022	0855	X			
OLF-G18	NS	MW	Water	BP		5/18/2022	1345	X			
OLF-G23	NS	MW	Water	BP		5/17/2022	1440	X	X		
OLF-G35	NS	MW	Water	BP		5/17/2022	1330	X			
OLF-G31	NS	MW	Water	BP		5/18/2022	1715	X			
OLF-G32	NS	MW	Water	BP		5/18/2022	1615	X			
TB599	TB	TB	Water	Grab		5/19/2022	1020				X

Green Valley

NOTES:
 QC Code NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
 Station Type MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
 Sampling Methods B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt
 See Task Order 093 for required list of VOCs and metals

Double the number of bottles for MS/MSD

COMMENTS:

Relinquished by (Signature)

Green Valley

Date/Time

5/19/22 1600

Received by (Signature)

FedEx

Relinquished by (Signature)

Date/Time

Received by (Signature)

DM TA

5/20/22 1000

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins

Lab Contact Noel Savoie and Beth Daughtry

MES Contact Betty Van Pelt

MES Phone 801-699-1246

Project Parcel 80(6). Landfill 3

Task # 21 094 22-05.2

Lab contract: 21.094.22-05.2.500

Queen Tully

Samplers Signature

[illegible]

NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water Sampling Methods. B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

COMMENTS: See Task Order 093 for required list of VOCs and metals

Relinquished by (Signature)

June 1914

Date/Time

1600

by (Signature) FedEx

Double the number of bottles for MS/MSD

Received by (Signature)

Relinquished by (Signature)

Date/Time

Received by (Signature)

5-20-22 1000

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-215822-1

Login Number: 215822

List Source: Eurofins Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

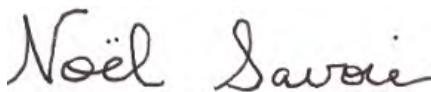
ANALYTICAL REPORT

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-215923-1
Client Project/Site: Parcel 80(6), Landfill 3

For:
Matrix Environmental Services, LLC
707 17th Street
Suite 3150
Denver, Colorado 80202

Attn: Ms. Betty Van Pelt



Authorized for release by:
6/24/2022 12:17:16 PM

Noel Savoie, Project Manager I
(850)254-0107
Noel.Savoie@et.eurofinsus.com

LINKS

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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.

Definitions/Glossary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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

Sample Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-215923-1	OLF-G07	Water	05/20/22 13:15	05/24/22 10:30
680-215923-2	OLF-G20	Water	05/20/22 12:10	05/24/22 10:30
680-215923-3	OLF-G26	Water	05/19/22 08:10	05/24/22 10:30
680-215923-4	OLF-G42	Water	05/20/22 08:15	05/24/22 10:30
680-215923-5	OLF-G43	Water	05/19/22 16:05	05/24/22 10:30
680-215923-6	OLF-G49	Water	05/19/22 10:45	05/24/22 10:30
680-215923-7	OLF-G50	Water	05/19/22 11:50	05/24/22 10:30
680-215923-8	OLF-G51	Water	05/19/22 09:40	05/24/22 10:30
680-215923-9	OLF-G52	Water	05/19/22 14:45	05/24/22 10:30
680-215923-10	OLF-G70	Water	05/19/22 13:00	05/24/22 10:30
680-215923-11	OLF-G75 Screen 3	Water	05/20/22 11:00	05/24/22 10:30
680-215923-12	OLF-G75 Screen 5	Water	05/20/22 09:45	05/24/22 10:30
680-215923-13	OLF-G77	Water	05/20/22 14:40	05/24/22 10:30
680-215923-14	OLF-G78	Water	05/20/22 15:50	05/24/22 10:30
680-215923-15	PPMP-229-G12	Water	05/19/22 17:15	05/24/22 10:30
680-215923-16	DUP396	Water	05/19/22 00:00	05/24/22 10:30
680-215923-17	DUP397	Water	05/19/22 00:00	05/24/22 10:30
680-215923-18	EB143	Water	05/23/22 10:45	05/24/22 10:30
680-215923-19	MB112	Water	05/23/22 10:30	05/24/22 10:30
680-215923-20	TB600	Water	05/23/22 11:00	05/24/22 10:30

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Job ID: 680-215923-1

Laboratory: Eurofins Savannah

Narrative

Job Narrative 680-215923-1

Comments

No additional comments.

Receipt

The samples were received on 5/24/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.6° C.

GC/MS VOA

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723618 recovered outside control limits for the following analytes: Chloromethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 680-723618 recovered outside control limits for the following analytes: trans-1,4-Dichloro-2-butene, 2-Hexanone, 1,2-Dibromo-3-Chloropropane and Vinyl acetate. trans-1,4-Dichloro-2-butene, 2-Hexanone, 1,2-Dibromo-3-Chloropropane and Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-723618.

Method 8260D: Trichlorofluoromethane is reported with an E flag in the batch QC because the top two points were dropped from the ICAL. The sample associated with the QC was non detect for Trichlorofluoromethane. The data has been qualified and reported. (LCS 680-723636/4) and (LCSD 680-723636/5)

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-723636 recovered outside control limits for the following analytes: Trichlorofluoromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 680-723636 recovered outside control limits for the following analyte: Acetone. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723636 recovered outside control limits for the following analyte: Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-723636.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-723650.

Method 8260D: The laboratory control sample (LCS) for analytical batch 680-723809 recovered outside control limits for the following analyte(s): 2-Hexanone, 1,2-Dibromo-3-Chloropropane and Vinyl acetate. 2-Hexanone, 1,2-Dibromo-3-Chloropropane and Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 680-723809 recovered outside control limits for the following analyte(s): trans-1,4-Dichloro-2-butene, 2-Hexanone and Vinyl acetate. trans-1,4-Dichloro-2-butene, 2-Hexanone and Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Job ID: 680-215923-1 (Continued)

Laboratory: Eurofins Savannah (Continued)

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-723809 recovered outside control limits for the following analytes: Chloromethane and Trichlorofluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) and %RPD recoveries for analytical batch 680-723809 were outside advisory control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: Surrogate recovery was outside acceptance limits for the following matrix spike (MS) sample: OLF-G07 (680-215923-1[MS]). The parent sample's surrogate recovery was within limits. The MS sample has been qualified and reported.

Method 8260D: The matrix spike and/or the matrix spike duplicate ran outside of the 12 hour tune window. There is insufficient holding time to rerun the samples in hold. OLF-G07 (680-215923-1[MS]) and OLF-G07 (680-215923-1[MSD])

Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-723818 recovered outside control limits for the following analyte: Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: Trichlorofluoromethane is reported with an E flag in the batch QC because the top two points were dropped from the ICAL. The sample associated with the QC was non detect for Trichlorofluoromethane. The data has been qualified and reported. (LCS 680-723828/4) and (LCSD 680-723828/5)

Method 8260D: The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) and %RPD for analytical batch 680-723828 recovered outside control limits for the following analyte: Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 680-723828 recovered outside control limits for the following analytes: Acetone and Chloroethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-723828 were outside advisory control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 680-723828 exceeded control limits for the following analyte: Vinyl acetate, Note that this analyte is a known poor performer when analyzed using this method.

Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-724027 recovered outside control limits for the following analyte(s): Vinyl acetate. Vinyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

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

GC Semi VOA

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

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G07

Lab Sample ID: 680-215923-1

Date Collected: 05/20/22 13:15

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U F1	10	3.7	ug/L			06/02/22 19:22	1
Acrylonitrile	5.5	U F1	20	5.5	ug/L			06/02/22 19:22	1
Benzene	0.27	U F1	1.0	0.27	ug/L			06/02/22 19:22	1
Bromochloromethane	0.34	U F1	1.0	0.34	ug/L			06/02/22 19:22	1
Bromodichloromethane	0.25	U F1	1.0	0.25	ug/L			06/02/22 19:22	1
Bromoform	0.59	U F1	1.0	0.59	ug/L			06/02/22 19:22	1
Bromomethane	3.7	U F2	5.0	3.7	ug/L			06/02/22 19:22	1
2-Butanone (MEK)	6.4	U F1	10	6.4	ug/L			06/02/22 19:22	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 19:22	1
Carbon tetrachloride	0.30	U F1	1.0	0.30	ug/L			06/02/22 19:22	1
Chlorobenzene	0.15	U F1	1.0	0.15	ug/L			06/02/22 19:22	1
Chloroethane	4.6	U F2	5.0	4.6	ug/L			06/02/22 19:22	1
Chloroform	0.27	U F1	1.0	0.27	ug/L			06/02/22 19:22	1
Chloromethane	0.54	U *+ F2 F1	1.0	0.54	ug/L			06/02/22 19:22	1
Dibromochloromethane	0.39	U F1	1.0	0.39	ug/L			06/02/22 19:22	1
1,2-Dibromo-3-Chloropropane	1.8	U F1 *-	5.0	1.8	ug/L			06/02/22 19:22	1
1,2-Dibromoethane	0.33	U F1	1.0	0.33	ug/L			06/02/22 19:22	1
Dibromomethane	0.34	U F1	1.0	0.34	ug/L			06/02/22 19:22	1
1,2-Dichlorobenzene	0.31	U F1	1.0	0.31	ug/L			06/02/22 19:22	1
1,4-Dichlorobenzene	0.31	U F1	1.0	0.31	ug/L			06/02/22 19:22	1
trans-1,4-Dichloro-2-butene	1.3	U *- F1	2.0	1.3	ug/L			06/02/22 19:22	1
1,1-Dichloroethane	0.33	U F1	1.0	0.33	ug/L			06/02/22 19:22	1
1,2-Dichloroethane	0.25	U F1	1.0	0.25	ug/L			06/02/22 19:22	1
cis-1,2-Dichloroethene	8.2	F1	1.0	0.25	ug/L			06/02/22 19:22	1
trans-1,2-Dichloroethene	3.6		1.0	0.34	ug/L			06/02/22 19:22	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 19:22	1
1,2-Dichloropropane	0.22	U F1	1.0	0.22	ug/L			06/02/22 19:22	1
1,3-Dichloropropane	0.36	U F2 F1	1.0	0.36	ug/L			06/02/22 19:22	1
cis-1,3-Dichloropropene	0.26	U F2 F1	1.0	0.26	ug/L			06/02/22 19:22	1
trans-1,3-Dichloropropene	0.23	U F1	1.0	0.23	ug/L			06/02/22 19:22	1
Ethylbenzene	0.20	U F1	1.0	0.20	ug/L			06/02/22 19:22	1
2-Hexanone	3.2	U F2 *- F1	10	3.2	ug/L			06/02/22 19:22	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 19:22	1
Methylene Chloride	3.2	U F1	5.0	3.2	ug/L			06/02/22 19:22	1
4-Methyl-2-pentanone (MIBK)	2.7	U F1	10	2.7	ug/L			06/02/22 19:22	1
Methyl tert-butyl ether	0.81	U F1	5.0	0.81	ug/L			06/02/22 19:22	1
Styrene	0.27	U F1	1.0	0.27	ug/L			06/02/22 19:22	1
1,1,1,2-Tetrachloroethane	0.36	U F1	1.0	0.36	ug/L			06/02/22 19:22	1
1,1,2,2-Tetrachloroethane	130	F1	1.0	0.40	ug/L			06/02/22 19:22	1
Tetrachloroethylene	0.53	F1	0.50	0.35	ug/L			06/02/22 19:22	1
Toluene	0.25	U F1	1.0	0.25	ug/L			06/02/22 19:22	1
1,1,1-Trichloroethane	0.21	U F1	1.0	0.21	ug/L			06/02/22 19:22	1
1,1,2-Trichloroethane	1.2	F1	1.0	0.32	ug/L			06/02/22 19:22	1
Trichloroethene	50		1.0	0.20	ug/L			06/02/22 19:22	1
Trichlorofluoromethane	0.33	U *+ F2 F1	1.0	0.33	ug/L			06/02/22 19:22	1
1,2,3-Trichloropropane	0.48	U F1	1.0	0.48	ug/L			06/02/22 19:22	1
Vinyl acetate	0.69	U *- F1	2.0	0.69	ug/L			06/02/22 19:22	1
Vinyl chloride	0.40	U F2 F1	1.0	0.40	ug/L			06/02/22 19:22	1
Xylenes, Total	0.23	U F1	1.0	0.23	ug/L			06/02/22 19:22	1

Eurofins Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G07

Lab Sample ID: 680-215923-1

Date Collected: 05/20/22 13:15

Matrix: Water

Date Received: 05/24/22 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/02/22 19:22	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		06/02/22 19:22	1
Dibromofluoromethane (Surr)	111		70 - 130		06/02/22 19:22	1
4-Bromofluorobenzene (Surr)	100		70 - 130		06/02/22 19:22	1

Client Sample ID: OLF-G20

Lab Sample ID: 680-215923-2

Date Collected: 05/20/22 12:10

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 19:46	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 19:46	1
Benzene	0.36	J	1.0	0.27	ug/L			06/02/22 19:46	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 19:46	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 19:46	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 19:46	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 19:46	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 19:46	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 19:46	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 19:46	1
Chlorobenzene	1.1		1.0	0.15	ug/L			06/02/22 19:46	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 19:46	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 19:46	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			06/02/22 19:46	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 19:46	1
1,2-Dibromo-3-Chloropropane	1.8	U *-	5.0	1.8	ug/L			06/02/22 19:46	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 19:46	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 19:46	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 19:46	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 19:46	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			06/02/22 19:46	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 19:46	1
1,2-Dichloroethane	0.30	J	1.0	0.25	ug/L			06/02/22 19:46	1
cis-1,2-Dichloroethene	4.2		1.0	0.25	ug/L			06/02/22 19:46	1
trans-1,2-Dichloroethene	0.76	J	1.0	0.34	ug/L			06/02/22 19:46	1
1,1-Dichloroethene	1.3		1.0	0.33	ug/L			06/02/22 19:46	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 19:46	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 19:46	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 19:46	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 19:46	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 19:46	1
2-Hexanone	3.2	U *-	10	3.2	ug/L			06/02/22 19:46	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 19:46	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 19:46	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 19:46	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 19:46	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 19:46	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 19:46	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 19:46	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G20

Lab Sample ID: 680-215923-2

Date Collected: 05/20/22 12:10

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 19:46	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 19:46	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 19:46	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 19:46	1
Trichloroethene	4.4		1.0	0.20	ug/L			06/02/22 19:46	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/02/22 19:46	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 19:46	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/02/22 19:46	1
Vinyl chloride	9.0		1.0	0.40	ug/L			06/02/22 19:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/02/22 19:46	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 124		06/02/22 19:46	1
Dibromofluoromethane (Surr)	110		70 - 130		06/02/22 19:46	1
4-Bromofluorobenzene (Surr)	102		70 - 130		06/02/22 19:46	1

Client Sample ID: OLF-G26

Lab Sample ID: 680-215923-3

Date Collected: 05/19/22 08:10

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/01/22 18:41	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 18:41	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 18:41	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 18:41	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 18:41	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 18:41	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 18:41	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 18:41	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 18:41	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 18:41	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 18:41	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 18:41	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 18:41	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			06/01/22 18:41	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 18:41	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			06/01/22 18:41	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 18:41	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 18:41	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 18:41	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 18:41	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			06/01/22 18:41	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 18:41	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 18:41	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 18:41	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 18:41	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 18:41	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 18:41	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G26

Lab Sample ID: 680-215923-3

Date Collected: 05/19/22 08:10

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 18:41	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 18:41	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 18:41	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 18:41	1
2-Hexanone	3.2	U *	10	3.2	ug/L			06/01/22 18:41	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 18:41	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 18:41	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 18:41	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 18:41	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 18:41	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 18:41	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 18:41	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 18:41	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 18:41	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 18:41	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 18:41	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/01/22 18:41	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/01/22 18:41	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 18:41	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/01/22 18:41	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 18:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/01/22 18:41	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 124		06/01/22 18:41	1
Dibromofluoromethane (Surr)	110		70 - 130		06/01/22 18:41	1
4-Bromofluorobenzene (Surr)	102		70 - 130		06/01/22 18:41	1

Client Sample ID: OLF-G42

Lab Sample ID: 680-215923-4

Date Collected: 05/20/22 08:15

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			06/02/22 15:45	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 15:45	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 15:45	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 15:45	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 15:45	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 15:45	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 15:45	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 15:45	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 15:45	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 15:45	1
Chlorobenzene	0.37	J	1.0	0.15	ug/L			06/02/22 15:45	1
Chloroethane	4.6	U ** F1	5.0	4.6	ug/L			06/02/22 15:45	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 15:45	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/02/22 15:45	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 15:45	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G42

Lab Sample ID: 680-215923-4

Date Collected: 05/20/22 08:15

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/02/22 15:45	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 15:45	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 15:45	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 15:45	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 15:45	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/02/22 15:45	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 15:45	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 15:45	1
cis-1,2-Dichloroethene	3.3		1.0	0.25	ug/L			06/02/22 15:45	1
trans-1,2-Dichloroethene	0.43	J	1.0	0.34	ug/L			06/02/22 15:45	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 15:45	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 15:45	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 15:45	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 15:45	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 15:45	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 15:45	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/02/22 15:45	1
Iodomethane	3.9	U F1	10	3.9	ug/L			06/02/22 15:45	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 15:45	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 15:45	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 15:45	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 15:45	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 15:45	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 15:45	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 15:45	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 15:45	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 15:45	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 15:45	1
Trichloroethene	6.0		1.0	0.20	ug/L			06/02/22 15:45	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/02/22 15:45	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 15:45	1
Vinyl acetate	0.69	U *- *1 F1	2.0	0.69	ug/L			06/02/22 15:45	1
Vinyl chloride	2.7		1.0	0.40	ug/L			06/02/22 15:45	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/02/22 15:45	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		06/02/22 15:45	1
Dibromofluoromethane (Surr)	93		70 - 130		06/02/22 15:45	1
4-Bromofluorobenzene (Surr)	111		70 - 130		06/02/22 15:45	1

Client Sample ID: OLF-G43

Lab Sample ID: 680-215923-5

Date Collected: 05/19/22 16:05

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/01/22 22:18	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 22:18	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 22:18	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G43

Lab Sample ID: 680-215923-5

Date Collected: 05/19/22 16:05

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 22:18	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 22:18	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 22:18	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 22:18	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 22:18	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 22:18	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 22:18	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 22:18	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 22:18	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 22:18	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 22:18	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 22:18	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 22:18	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 22:18	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 22:18	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 22:18	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 22:18	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 22:18	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 22:18	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 22:18	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 22:18	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 22:18	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 22:18	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 22:18	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 22:18	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 22:18	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 22:18	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 22:18	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 22:18	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 22:18	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 22:18	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 22:18	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 22:18	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 22:18	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 22:18	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 22:18	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 22:18	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 22:18	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 22:18	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 22:18	1
Trichloroethene	0.93	J	1.0	0.20	ug/L			06/01/22 22:18	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/01/22 22:18	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 22:18	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/01/22 22:18	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 22:18	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 22:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130		06/01/22 22:18	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 124		06/01/22 22:18	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G43

Lab Sample ID: 680-215923-5

Date Collected: 05/19/22 16:05

Matrix: Water

Date Received: 05/24/22 10:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		70 - 130		06/01/22 22:18	1
4-Bromofluorobenzene (Surr)	113		70 - 130		06/01/22 22:18	1

Client Sample ID: OLF-G49

Lab Sample ID: 680-215923-6

Date Collected: 05/19/22 10:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			06/01/22 20:40	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 20:40	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 20:40	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 20:40	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 20:40	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 20:40	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 20:40	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 20:40	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 20:40	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 20:40	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 20:40	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 20:40	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 20:40	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 20:40	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 20:40	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 20:40	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 20:40	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 20:40	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 20:40	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 20:40	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 20:40	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 20:40	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 20:40	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 20:40	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 20:40	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 20:40	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 20:40	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 20:40	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 20:40	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 20:40	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 20:40	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 20:40	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 20:40	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 20:40	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 20:40	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 20:40	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 20:40	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 20:40	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 20:40	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 20:40	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G49

Lab Sample ID: 680-215923-6

Date Collected: 05/19/22 10:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 20:40	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 20:40	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 20:40	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/01/22 20:40	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/01/22 20:40	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 20:40	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/01/22 20:40	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 20:40	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 20:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130					06/01/22 20:40	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124					06/01/22 20:40	1
Dibromofluoromethane (Surr)	98		70 - 130					06/01/22 20:40	1
4-Bromofluorobenzene (Surr)	91		70 - 130					06/01/22 20:40	1

Client Sample ID: OLF-G50

Lab Sample ID: 680-215923-7

Date Collected: 05/19/22 11:50

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			06/01/22 20:59	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 20:59	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 20:59	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 20:59	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 20:59	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 20:59	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 20:59	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 20:59	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 20:59	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 20:59	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 20:59	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 20:59	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 20:59	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 20:59	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 20:59	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 20:59	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 20:59	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 20:59	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 20:59	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 20:59	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 20:59	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 20:59	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 20:59	1
cis-1,2-Dichloroethene	6.8		1.0	0.25	ug/L			06/01/22 20:59	1
trans-1,2-Dichloroethene	2.2		1.0	0.34	ug/L			06/01/22 20:59	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 20:59	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 20:59	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 20:59	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-215923-7

Date Collected: 05/19/22 11:50

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 20:59	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 20:59	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 20:59	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 20:59	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 20:59	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 20:59	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 20:59	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 20:59	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 20:59	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 20:59	1
1,1,2,2-Tetrachloroethane	23		1.0	0.40	ug/L			06/01/22 20:59	1
Tetrachloroethylene	0.69		0.50	0.35	ug/L			06/01/22 20:59	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 20:59	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 20:59	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 20:59	1
Trichloroethene	96		1.0	0.20	ug/L			06/01/22 20:59	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/01/22 20:59	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 20:59	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/01/22 20:59	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 20:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/01/22 20:59	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		06/01/22 20:59	1
Dibromofluoromethane (Surr)	98		70 - 130		06/01/22 20:59	1
4-Bromofluorobenzene (Surr)	92		70 - 130		06/01/22 20:59	1

Client Sample ID: OLF-G51

Lab Sample ID: 680-215923-8

Date Collected: 05/19/22 09:40

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			06/01/22 21:19	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 21:19	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 21:19	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 21:19	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 21:19	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 21:19	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 21:19	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 21:19	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 21:19	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 21:19	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 21:19	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 21:19	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 21:19	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 21:19	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 21:19	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 21:19	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G51

Lab Sample ID: 680-215923-8

Date Collected: 05/19/22 09:40

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 21:19	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 21:19	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 21:19	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 21:19	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 21:19	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 21:19	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 21:19	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 21:19	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 21:19	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 21:19	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 21:19	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 21:19	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 21:19	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 21:19	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 21:19	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 21:19	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 21:19	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 21:19	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 21:19	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 21:19	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 21:19	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 21:19	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 21:19	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 21:19	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 21:19	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 21:19	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 21:19	1
Trichloroethene	1.6		1.0	0.20	ug/L			06/01/22 21:19	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/01/22 21:19	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 21:19	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/01/22 21:19	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 21:19	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	116		70 - 130		06/01/22 21:19	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 124		06/01/22 21:19	1
Dibromofluoromethane (Surr)	99		70 - 130		06/01/22 21:19	1
4-Bromofluorobenzene (Surr)	92		70 - 130		06/01/22 21:19	1

Client Sample ID: OLF-G52

Lab Sample ID: 680-215923-9

Date Collected: 05/19/22 14:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			06/01/22 21:38	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 21:38	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 21:38	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 21:38	1

Eurofins Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-215923-9

Date Collected: 05/19/22 14:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 21:38	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 21:38	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 21:38	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 21:38	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 21:38	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 21:38	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 21:38	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 21:38	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 21:38	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 21:38	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 21:38	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 21:38	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 21:38	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 21:38	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 21:38	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 21:38	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 21:38	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 21:38	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 21:38	1
cis-1,2-Dichloroethene	1.7		1.0	0.25	ug/L			06/01/22 21:38	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 21:38	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 21:38	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 21:38	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 21:38	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 21:38	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 21:38	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 21:38	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 21:38	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 21:38	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 21:38	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 21:38	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 21:38	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 21:38	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 21:38	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 21:38	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 21:38	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 21:38	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 21:38	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 21:38	1
Trichloroethene	6.7		1.0	0.20	ug/L			06/01/22 21:38	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/01/22 21:38	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 21:38	1
Vinyl acetate	0.69	U *-	2.0	0.69	ug/L			06/01/22 21:38	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 21:38	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 21:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		06/01/22 21:38	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 124		06/01/22 21:38	1
Dibromofluoromethane (Surr)	99		70 - 130		06/01/22 21:38	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-215923-9

Date Collected: 05/19/22 14:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		06/01/22 21:38	1

Client Sample ID: OLF-G70

Lab Sample ID: 680-215923-10

Date Collected: 05/19/22 13:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			06/01/22 21:57	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 21:57	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 21:57	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 21:57	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 21:57	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 21:57	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 21:57	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 21:57	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 21:57	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 21:57	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 21:57	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 21:57	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 21:57	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 21:57	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 21:57	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 21:57	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 21:57	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 21:57	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 21:57	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 21:57	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 21:57	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 21:57	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 21:57	1
cis-1,2-Dichloroethene	1.5		1.0	0.25	ug/L			06/01/22 21:57	1
trans-1,2-Dichloroethene	0.37	J	1.0	0.34	ug/L			06/01/22 21:57	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 21:57	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 21:57	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 21:57	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 21:57	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 21:57	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 21:57	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 21:57	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 21:57	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 21:57	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 21:57	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 21:57	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 21:57	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 21:57	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 21:57	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 21:57	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 21:57	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G70

Lab Sample ID: 680-215923-10

Date Collected: 05/19/22 13:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 21:57	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 21:57	1
Trichloroethene	7.1		1.0	0.20	ug/L			06/01/22 21:57	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/01/22 21:57	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 21:57	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/01/22 21:57	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 21:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 21:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130					06/01/22 21:57	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124					06/01/22 21:57	1
Dibromofluoromethane (Surr)	97		70 - 130					06/01/22 21:57	1
4-Bromofluorobenzene (Surr)	90		70 - 130					06/01/22 21:57	1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-215923-11

Date Collected: 05/20/22 11:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 20:09	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 20:09	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 20:09	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 20:09	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 20:09	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 20:09	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 20:09	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 20:09	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 20:09	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 20:09	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 20:09	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 20:09	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 20:09	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			06/02/22 20:09	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 20:09	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			06/02/22 20:09	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 20:09	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 20:09	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 20:09	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 20:09	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			06/02/22 20:09	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 20:09	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 20:09	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 20:09	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 20:09	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 20:09	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 20:09	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 20:09	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 20:09	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-215923-11

Date Collected: 05/20/22 11:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 20:09	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 20:09	1
2-Hexanone	3.2	U *	10	3.2	ug/L			06/02/22 20:09	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 20:09	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 20:09	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 20:09	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 20:09	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 20:09	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 20:09	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 20:09	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 20:09	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 20:09	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 20:09	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 20:09	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 20:09	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/02/22 20:09	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 20:09	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/02/22 20:09	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 20:09	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/02/22 20:09	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		06/02/22 20:09	1
Dibromofluoromethane (Surr)	109		70 - 130		06/02/22 20:09	1
4-Bromofluorobenzene (Surr)	102		70 - 130		06/02/22 20:09	1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-215923-12

Date Collected: 05/20/22 09:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 20:33	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 20:33	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 20:33	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 20:33	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 20:33	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 20:33	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 20:33	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 20:33	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 20:33	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 20:33	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 20:33	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 20:33	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 20:33	1
Chloromethane	0.54	U **	1.0	0.54	ug/L			06/02/22 20:33	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 20:33	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			06/02/22 20:33	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 20:33	1

Eurofins Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-215923-12

Date Collected: 05/20/22 09:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 20:33	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 20:33	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 20:33	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			06/02/22 20:33	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 20:33	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 20:33	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 20:33	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 20:33	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 20:33	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 20:33	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 20:33	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 20:33	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 20:33	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 20:33	1
2-Hexanone	3.2	U *-	10	3.2	ug/L			06/02/22 20:33	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 20:33	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 20:33	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 20:33	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 20:33	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 20:33	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 20:33	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 20:33	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 20:33	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 20:33	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 20:33	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 20:33	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 20:33	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/02/22 20:33	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 20:33	1
Vinyl acetate	0.69	U *-	2.0	0.69	ug/L			06/02/22 20:33	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 20:33	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		06/02/22 20:33	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		06/02/22 20:33	1
Dibromofluoromethane (Surr)	110		70 - 130		06/02/22 20:33	1
4-Bromofluorobenzene (Surr)	100		70 - 130		06/02/22 20:33	1

Client Sample ID: OLF-G77

Lab Sample ID: 680-215923-13

Date Collected: 05/20/22 14:40

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 20:56	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 20:56	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 20:56	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 20:56	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 20:56	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-215923-13

Date Collected: 05/20/22 14:40

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 20:56	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 20:56	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 20:56	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 20:56	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 20:56	1
Chlorobenzene	21		1.0	0.15	ug/L			06/02/22 20:56	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 20:56	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 20:56	1
Chloromethane	0.54	U *+	1.0	0.54	ug/L			06/02/22 20:56	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 20:56	1
1,2-Dibromo-3-Chloropropane	1.8	U *-	5.0	1.8	ug/L			06/02/22 20:56	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 20:56	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 20:56	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 20:56	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 20:56	1
trans-1,4-Dichloro-2-butene	1.3	U *-	2.0	1.3	ug/L			06/02/22 20:56	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 20:56	1
1,2-Dichloroethane	0.44	J	1.0	0.25	ug/L			06/02/22 20:56	1
cis-1,2-Dichloroethene	150		1.0	0.25	ug/L			06/02/22 20:56	1
trans-1,2-Dichloroethene	140		1.0	0.34	ug/L			06/02/22 20:56	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 20:56	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 20:56	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 20:56	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 20:56	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 20:56	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 20:56	1
2-Hexanone	3.2	U *-	10	3.2	ug/L			06/02/22 20:56	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 20:56	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 20:56	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 20:56	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 20:56	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 20:56	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 20:56	1
Tetrachloroethylene	4.5		0.50	0.35	ug/L			06/02/22 20:56	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 20:56	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 20:56	1
1,1,2-Trichloroethane	12		1.0	0.32	ug/L			06/02/22 20:56	1
Trichlorofluoromethane	0.33	U *+	1.0	0.33	ug/L			06/02/22 20:56	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 20:56	1
Vinyl acetate	0.69	U *-	2.0	0.69	ug/L			06/02/22 20:56	1
Vinyl chloride	13		1.0	0.40	ug/L			06/02/22 20:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 20:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		06/02/22 20:56	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		06/02/22 20:56	1
Dibromofluoromethane (Surr)	109		70 - 130		06/02/22 20:56	1
4-Bromofluorobenzene (Surr)	98		70 - 130		06/02/22 20:56	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-215923-13

Date Collected: 05/20/22 14:40

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	980		20	8.0	ug/L			06/03/22 17:57	20
Trichloroethene	510		20	4.0	ug/L			06/03/22 17:57	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		70 - 130					06/03/22 17:57	20
1,2-Dichloroethane-d4 (Surr)	95		60 - 124					06/03/22 17:57	20
Dibromofluoromethane (Surr)	107		70 - 130					06/03/22 17:57	20
4-Bromofluorobenzene (Surr)	95		70 - 130					06/03/22 17:57	20

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	5.2		1.1	0.30	ug/L			05/26/22 17:31	1
Ethene	10		1.0	0.31	ug/L			05/26/22 17:31	1
Methane (TCD)	1200		390	59	ug/L			05/26/22 17:31	1

Client Sample ID: OLF-G78

Lab Sample ID: 680-215923-14

Date Collected: 05/20/22 15:50

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 21:19	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 21:19	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 21:19	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 21:19	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 21:19	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 21:19	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 21:19	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 21:19	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 21:19	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 21:19	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 21:19	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 21:19	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 21:19	1
Chloromethane	0.54	U *	1.0	0.54	ug/L			06/02/22 21:19	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 21:19	1
1,2-Dibromo-3-Chloropropane	1.8	U *	5.0	1.8	ug/L			06/02/22 21:19	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 21:19	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 21:19	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 21:19	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 21:19	1
trans-1,4-Dichloro-2-butene	1.3	U *	2.0	1.3	ug/L			06/02/22 21:19	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 21:19	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 21:19	1
cis-1,2-Dichloroethene	2.8		1.0	0.25	ug/L			06/02/22 21:19	1
trans-1,2-Dichloroethene	0.85	J	1.0	0.34	ug/L			06/02/22 21:19	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 21:19	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 21:19	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 21:19	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 21:19	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G78

Lab Sample ID: 680-215923-14

Date Collected: 05/20/22 15:50

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 21:19	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 21:19	1
2-Hexanone	3.2	U *	10	3.2	ug/L			06/02/22 21:19	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 21:19	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 21:19	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 21:19	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 21:19	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 21:19	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 21:19	1
1,1,2,2-Tetrachloroethane	12		1.0	0.40	ug/L			06/03/22 15:36	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 21:19	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 21:19	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 21:19	1
1,1,2-Trichloroethane	0.33	J	1.0	0.32	ug/L			06/02/22 21:19	1
Trichloroethene	14		1.0	0.20	ug/L			06/03/22 15:36	1
Trichlorofluoromethane	0.33	U **	1.0	0.33	ug/L			06/02/22 21:19	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 21:19	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/02/22 21:19	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 21:19	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/02/22 21:19	1
Toluene-d8 (Surr)	102		70 - 130		06/03/22 15:36	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		06/02/22 21:19	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 124		06/03/22 15:36	1
Dibromofluoromethane (Surr)	111		70 - 130		06/02/22 21:19	1
Dibromofluoromethane (Surr)	105		70 - 130		06/03/22 15:36	1
4-Bromofluorobenzene (Surr)	100		70 - 130		06/02/22 21:19	1
4-Bromofluorobenzene (Surr)	91		70 - 130		06/03/22 15:36	1

Client Sample ID: PPMP-229-G12

Lab Sample ID: 680-215923-15

Date Collected: 05/19/22 17:15

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			06/01/22 22:16	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 22:16	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 22:16	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 22:16	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 22:16	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 22:16	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 22:16	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 22:16	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 22:16	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 22:16	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 22:16	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 22:16	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 22:16	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: PPMP-229-G12

Lab Sample ID: 680-215923-15

Date Collected: 05/19/22 17:15

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 22:16	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 22:16	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 22:16	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 22:16	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 22:16	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 22:16	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 22:16	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 22:16	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 22:16	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 22:16	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 22:16	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 22:16	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 22:16	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 22:16	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 22:16	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 22:16	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 22:16	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 22:16	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 22:16	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 22:16	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 22:16	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 22:16	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 22:16	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 22:16	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 22:16	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 22:16	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 22:16	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 22:16	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 22:16	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 22:16	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/01/22 22:16	1
Trichlorofluoromethane	0.33	U *	1.0	0.33	ug/L			06/01/22 22:16	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 22:16	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/01/22 22:16	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 22:16	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 22:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/01/22 22:16	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		06/01/22 22:16	1
Dibromofluoromethane (Surr)	97		70 - 130		06/01/22 22:16	1
4-Bromofluorobenzene (Surr)	93		70 - 130		06/01/22 22:16	1

Client Sample ID: DUP396

Lab Sample ID: 680-215923-16

Date Collected: 05/19/22 00:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U *	10	3.7	ug/L			06/01/22 22:35	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: DUP396

Lab Sample ID: 680-215923-16

Date Collected: 05/19/22 00:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 22:35	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 22:35	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 22:35	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 22:35	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 22:35	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 22:35	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 22:35	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 22:35	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 22:35	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 22:35	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 22:35	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 22:35	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 22:35	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 22:35	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 22:35	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 22:35	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 22:35	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 22:35	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 22:35	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 22:35	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 22:35	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 22:35	1
cis-1,2-Dichloroethene	1.7		1.0	0.25	ug/L			06/01/22 22:35	1
trans-1,2-Dichloroethene	0.35	J	1.0	0.34	ug/L			06/01/22 22:35	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 22:35	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 22:35	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 22:35	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 22:35	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 22:35	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 22:35	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 22:35	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 22:35	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 22:35	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 22:35	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 22:35	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 22:35	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 22:35	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 22:35	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 22:35	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 22:35	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 22:35	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 22:35	1
Trichloroethene	7.8		1.0	0.20	ug/L			06/01/22 22:35	1
Trichlorofluoromethane	0.33	U +	1.0	0.33	ug/L			06/01/22 22:35	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 22:35	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/01/22 22:35	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 22:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 22:35	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: DUP396

Lab Sample ID: 680-215923-16

Date Collected: 05/19/22 00:00

Matrix: Water

Date Received: 05/24/22 10:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		06/01/22 22:35	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		06/01/22 22:35	1
Dibromofluoromethane (Surr)	99		70 - 130		06/01/22 22:35	1
4-Bromofluorobenzene (Surr)	91		70 - 130		06/01/22 22:35	1

Client Sample ID: DUP397

Lab Sample ID: 680-215923-17

Date Collected: 05/19/22 00:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 16:18	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 16:18	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 16:18	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 16:18	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 16:18	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 16:18	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 16:18	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 16:18	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 16:18	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 16:18	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 16:18	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 16:18	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 16:18	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/02/22 16:18	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 16:18	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/02/22 16:18	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 16:18	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 16:18	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 16:18	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 16:18	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/02/22 16:18	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 16:18	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 16:18	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 16:18	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 16:18	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 16:18	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 16:18	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 16:18	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 16:18	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 16:18	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 16:18	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/02/22 16:18	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 16:18	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 16:18	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 16:18	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 16:18	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 16:18	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 16:18	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 16:18	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: DUP397

Lab Sample ID: 680-215923-17

Date Collected: 05/19/22 00:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 16:18	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 16:18	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 16:18	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 16:18	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 16:18	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/02/22 16:18	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 16:18	1
Vinyl acetate	0.69	U *	2.0	0.69	ug/L			06/02/22 16:18	1
Vinyl chloride	1.1		1.0	0.40	ug/L			06/02/22 16:18	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		06/02/22 16:18	1
1,2-Dichloroethane-d4 (Surr)	86		60 - 124		06/02/22 16:18	1
Dibromofluoromethane (Surr)	104		70 - 130		06/02/22 16:18	1
4-Bromofluorobenzene (Surr)	95		70 - 130		06/02/22 16:18	1

Client Sample ID: EB143

Lab Sample ID: 680-215923-18

Date Collected: 05/23/22 10:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	4.8	J **	10	3.7	ug/L			06/02/22 14:28	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 14:28	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 14:28	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 14:28	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 14:28	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 14:28	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 14:28	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 14:28	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 14:28	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 14:28	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 14:28	1
Chloroethane	4.6	U **	5.0	4.6	ug/L			06/02/22 14:28	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 14:28	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/02/22 14:28	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 14:28	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/02/22 14:28	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:28	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 14:28	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 14:28	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 14:28	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/02/22 14:28	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:28	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 14:28	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 14:28	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 14:28	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 14:28	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 14:28	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: EB143

Lab Sample ID: 680-215923-18

Date Collected: 05/23/22 10:45

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 14:28	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 14:28	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 14:28	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 14:28	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/02/22 14:28	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 14:28	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 14:28	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 14:28	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 14:28	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 14:28	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 14:28	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 14:28	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 14:28	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 14:28	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 14:28	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 14:28	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 14:28	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:28	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 14:28	1
Vinyl acetate	0.69	U *- *1	2.0	0.69	ug/L			06/02/22 14:28	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 14:28	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 14:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		06/02/22 14:28	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		06/02/22 14:28	1
Dibromofluoromethane (Surr)	93		70 - 130		06/02/22 14:28	1
4-Bromofluorobenzene (Surr)	111		70 - 130		06/02/22 14:28	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.30	U	1.1	0.30	ug/L			05/26/22 17:44	1
Ethene	0.31	U	1.0	0.31	ug/L			05/26/22 17:44	1
Methane	0.82		0.58	0.57	ug/L			05/26/22 17:44	1

Client Sample ID: MB112

Lab Sample ID: 680-215923-19

Date Collected: 05/23/22 10:30

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	J +*	10	3.7	ug/L			06/02/22 14:48	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 14:48	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 14:48	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 14:48	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 14:48	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 14:48	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 14:48	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 14:48	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 14:48	1

Eurofins Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: MB112

Lab Sample ID: 680-215923-19

Date Collected: 05/23/22 10:30

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 14:48	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 14:48	1
Chloroethane	4.6	U **	5.0	4.6	ug/L			06/02/22 14:48	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 14:48	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/02/22 14:48	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 14:48	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/02/22 14:48	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:48	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 14:48	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 14:48	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 14:48	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/02/22 14:48	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:48	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 14:48	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 14:48	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 14:48	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 14:48	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 14:48	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 14:48	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 14:48	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 14:48	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 14:48	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/02/22 14:48	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 14:48	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 14:48	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 14:48	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 14:48	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 14:48	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 14:48	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 14:48	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 14:48	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 14:48	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 14:48	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 14:48	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 14:48	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:48	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 14:48	1
Vinyl acetate	0.69	U * 1	2.0	0.69	ug/L			06/02/22 14:48	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 14:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		06/02/22 14:48	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		06/02/22 14:48	1
Dibromofluoromethane (Surr)	94		70 - 130		06/02/22 14:48	1
4-Bromofluorobenzene (Surr)	111		70 - 130		06/02/22 14:48	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.30	U	1.1	0.30	ug/L			05/26/22 17:57	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: MB112

Lab Sample ID: 680-215923-19

Date Collected: 05/23/22 10:30

Matrix: Water

Date Received: 05/24/22 10:30

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethene	0.31	U	1.0	0.31	ug/L			05/26/22 17:57	1
Methane	0.57	U	0.58	0.57	ug/L			05/26/22 17:57	1

Client Sample ID: TB600

Lab Sample ID: 680-215923-20

Date Collected: 05/23/22 11:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			06/02/22 15:07	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 15:07	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 15:07	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 15:07	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 15:07	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 15:07	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 15:07	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 15:07	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 15:07	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 15:07	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 15:07	1
Chloroethane	4.6	U **	5.0	4.6	ug/L			06/02/22 15:07	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 15:07	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/02/22 15:07	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 15:07	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/02/22 15:07	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 15:07	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 15:07	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 15:07	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 15:07	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/02/22 15:07	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 15:07	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 15:07	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 15:07	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 15:07	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 15:07	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 15:07	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 15:07	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 15:07	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 15:07	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 15:07	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/02/22 15:07	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 15:07	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 15:07	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 15:07	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 15:07	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 15:07	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 15:07	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 15:07	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 15:07	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 15:07	1

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Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: TB600

Lab Sample ID: 680-215923-20

Date Collected: 05/23/22 11:00

Matrix: Water

Date Received: 05/24/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 15:07	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 15:07	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 15:07	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/02/22 15:07	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 15:07	1
Vinyl acetate	0.69	U *- *1	2.0	0.69	ug/L			06/02/22 15:07	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 15:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/02/22 15:07	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		06/02/22 15:07	1
Dibromofluoromethane (Surr)	93		70 - 130		06/02/22 15:07	1
4-Bromofluorobenzene (Surr)	111		70 - 130		06/02/22 15:07	1

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: MB 680-723618/9

Matrix: Water

Analysis Batch: 723618

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	3.7	U	10	3.7	ug/L			06/01/22 13:04	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 13:04	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 13:04	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 13:04	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 13:04	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 13:04	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 13:04	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 13:04	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 13:04	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 13:04	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 13:04	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 13:04	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 13:04	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 13:04	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 13:04	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 13:04	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 13:04	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 13:04	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 13:04	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 13:04	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 13:04	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 13:04	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 13:04	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 13:04	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 13:04	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 13:04	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 13:04	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 13:04	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 13:04	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 13:04	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 13:04	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 13:04	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 13:04	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 13:04	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 13:04	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 13:04	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 13:04	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 13:04	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 13:04	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 13:04	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 13:04	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 13:04	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 13:04	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/01/22 13:04	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/01/22 13:04	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 13:04	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/01/22 13:04	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 13:04	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: MB 680-723618/9

Matrix: Water

Analysis Batch: 723618

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 13:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	113		70 - 130		06/01/22 13:04	1
1,2-Dichloroethane-d4 (Surr)	110		60 - 124		06/01/22 13:04	1
Dibromofluoromethane (Surr)	111		70 - 130		06/01/22 13:04	1
4-Bromofluorobenzene (Surr)	105		70 - 130		06/01/22 13:04	1

Lab Sample ID: LCS 680-723618/4

Matrix: Water

Analysis Batch: 723618

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	194		ug/L		78	67 - 120
Acrylonitrile	500	417		ug/L		83	70 - 130
Benzene	50.0	49.6		ug/L		99	70 - 130
Bromochloromethane	50.0	47.3		ug/L		95	70 - 130
Bromodichloromethane	50.0	46.9		ug/L		94	70 - 130
Bromoform	50.0	41.8		ug/L		84	69 - 129
Bromomethane	50.0	49.6		ug/L		99	28 - 192
2-Butanone (MEK)	250	206		ug/L		82	69 - 120
Carbon disulfide	50.0	62.5		ug/L		125	70 - 130
Carbon tetrachloride	50.0	37.3		ug/L		75	70 - 130
Chlorobenzene	50.0	46.2		ug/L		92	70 - 130
Chloroethane	50.0	52.9		ug/L		106	31 - 213
Chloroform	50.0	50.8		ug/L		102	70 - 130
Chloromethane	50.0	73.7	*+	ug/L		147	59 - 127
Dibromochloromethane	50.0	40.3		ug/L		81	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	33.1	*-	ug/L		66	70 - 130
1,2-Dibromoethane	50.0	39.6		ug/L		79	70 - 130
Dibromomethane	50.0	48.2		ug/L		96	70 - 130
1,2-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	46.3		ug/L		93	70 - 130
trans-1,4-Dichloro-2-butene	50.0	30.9	*-	ug/L		62	67 - 120
1,1-Dichloroethane	50.0	53.2		ug/L		106	70 - 130
1,2-Dichloroethane	50.0	50.2		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	50.9		ug/L		102	70 - 130
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	70 - 130
1,1-Dichloroethene	50.0	58.3		ug/L		117	70 - 130
1,2-Dichloropropane	50.0	49.6		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	42.5		ug/L		85	70 - 130
cis-1,3-Dichloropropene	50.0	42.9		ug/L		86	70 - 130
trans-1,3-Dichloropropene	50.0	41.1		ug/L		82	70 - 130
Ethylbenzene	50.0	46.3		ug/L		93	70 - 130
2-Hexanone	250	167	*-	ug/L		67	70 - 130
Iodomethane	50.0	46.3		ug/L		93	52 - 129
Methylene Chloride	50.0	46.9		ug/L		94	70 - 130
4-Methyl-2-pentanone (MIBK)	250	181		ug/L		72	68 - 120

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCS 680-723618/4

Matrix: Water

Analysis Batch: 723618

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methyl tert-butyl ether	50.0	45.1		ug/L		90	70 - 130
Styrene	50.0	43.0		ug/L		86	70 - 130
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	70 - 130
Tetrachloroethylene	50.0	40.1		ug/L		80	70 - 130
Toluene	50.0	42.4		ug/L		85	70 - 130
1,1,1-Trichloroethane	50.0	40.4		ug/L		81	70 - 130
1,1,2-Trichloroethane	50.0	43.0		ug/L		86	70 - 130
Trichloroethene	50.0	42.0		ug/L		84	70 - 130
Trichlorofluoromethane	50.0	85.7	*+	ug/L		171	63 - 142
1,2,3-Trichloropropane	50.0	45.3		ug/L		91	70 - 130
Vinyl acetate	100	55.6	*-	ug/L		56	67 - 135
Vinyl chloride	50.0	48.0		ug/L		96	66 - 129
Xylenes, Total	100	91.5		ug/L		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		60 - 124
Dibromofluoromethane (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 680-723618/5

Matrix: Water

Analysis Batch: 723618

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
Acetone	250	205		ug/L		82	67 - 120	6	30
Acrylonitrile	500	429		ug/L		86	70 - 130	3	30
Benzene	50.0	49.1		ug/L		98	70 - 130	1	30
Bromochloromethane	50.0	46.6		ug/L		93	70 - 130	1	30
Bromodichloromethane	50.0	46.2		ug/L		92	70 - 130	2	30
Bromoform	50.0	40.7		ug/L		81	69 - 129	3	30
Bromomethane	50.0	48.6		ug/L		97	28 - 192	2	30
2-Butanone (MEK)	250	213		ug/L		85	69 - 120	3	30
Carbon disulfide	50.0	61.9		ug/L		124	70 - 130	1	30
Carbon tetrachloride	50.0	37.3		ug/L		75	70 - 130	0	30
Chlorobenzene	50.0	45.7		ug/L		91	70 - 130	1	30
Chloroethane	50.0	53.4		ug/L		107	31 - 213	1	30
Chloroform	50.0	50.0		ug/L		100	70 - 130	2	30
Chloromethane	50.0	74.5	*+	ug/L		149	59 - 127	1	30
Dibromochloromethane	50.0	39.6		ug/L		79	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	35.5		ug/L		71	70 - 130	7	30
1,2-Dibromoethane	50.0	39.3		ug/L		79	70 - 130	1	30
Dibromomethane	50.0	47.5		ug/L		95	70 - 130	2	30
1,2-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 130	1	30
1,4-Dichlorobenzene	50.0	46.4		ug/L		93	70 - 130	0	30
trans-1,4-Dichloro-2-butene	50.0	29.2	*-	ug/L		58	67 - 120	6	30
1,1-Dichloroethane	50.0	52.9		ug/L		106	70 - 130	1	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-723618/5

Matrix: Water

Analysis Batch: 723618

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
1,2-Dichloroethane	50.0	50.7		ug/L		101	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130	2	30
trans-1,2-Dichloroethene	50.0	53.2		ug/L		106	70 - 130	3	30
1,1-Dichloroethene	50.0	57.3		ug/L		115	70 - 130	2	20
1,2-Dichloropropane	50.0	49.0		ug/L		98	70 - 130	1	20
1,3-Dichloropropane	50.0	43.1		ug/L		86	70 - 130	1	20
cis-1,3-Dichloropropene	50.0	42.5		ug/L		85	70 - 130	1	20
trans-1,3-Dichloropropene	50.0	41.0		ug/L		82	70 - 130	0	30
Ethylbenzene	50.0	45.7		ug/L		91	70 - 130	1	20
2-Hexanone	250	170	*-	ug/L		68	70 - 130	2	20
Iodomethane	50.0	46.5		ug/L		93	52 - 129	0	30
Methylene Chloride	50.0	46.3		ug/L		93	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	180		ug/L		72	68 - 120	0	30
Methyl tert-butyl ether	50.0	46.8		ug/L		94	70 - 130	4	30
Styrene	50.0	42.4		ug/L		85	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	46.3		ug/L		93	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 130	0	30
Tetrachloroethylene	50.0	39.9		ug/L		80	70 - 130	1	30
Toluene	50.0	42.0		ug/L		84	70 - 130	1	30
1,1,1-Trichloroethane	50.0	40.3		ug/L		81	70 - 130	0	30
1,1,2-Trichloroethane	50.0	42.8		ug/L		86	70 - 130	1	30
Trichloroethene	50.0	41.8		ug/L		84	70 - 130	0	30
Trichlorofluoromethane	50.0	88.5	*+	ug/L		177	63 - 142	3	30
1,2,3-Trichloropropane	50.0	45.8		ug/L		92	70 - 130	1	30
Vinyl acetate	100	52.5	*-	ug/L		53	67 - 135	6	30
Vinyl chloride	50.0	50.4		ug/L		101	66 - 129	5	30
Xylenes, Total	100	89.7		ug/L		90	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		60 - 124
Dibromofluoromethane (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 680-723636/9

Matrix: Water

Analysis Batch: 723636

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/01/22 19:04	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 19:04	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 19:04	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 19:04	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 19:04	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 19:04	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 19:04	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 19:04	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 19:04	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: MB 680-723636/9

Matrix: Water

Analysis Batch: 723636

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 19:04	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 19:04	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 19:04	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 19:04	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 19:04	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 19:04	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 19:04	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 19:04	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 19:04	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 19:04	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 19:04	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 19:04	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 19:04	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 19:04	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 19:04	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 19:04	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 19:04	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 19:04	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 19:04	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 19:04	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 19:04	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 19:04	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 19:04	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 19:04	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 19:04	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 19:04	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 19:04	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 19:04	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 19:04	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 19:04	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 19:04	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 19:04	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 19:04	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 19:04	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/01/22 19:04	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/01/22 19:04	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 19:04	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/01/22 19:04	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 19:04	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 19:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		06/01/22 19:04	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		06/01/22 19:04	1
Dibromofluoromethane (Surr)	97		70 - 130		06/01/22 19:04	1
4-Bromofluorobenzene (Surr)	94		70 - 130		06/01/22 19:04	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCS 680-723636/4

Matrix: Water

Analysis Batch: 723636

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	290		ug/L		116	67 - 120
Acrylonitrile	500	559		ug/L		112	70 - 130
Benzene	50.0	51.2		ug/L		102	70 - 130
Bromochloromethane	50.0	54.0		ug/L		108	70 - 130
Bromodichloromethane	50.0	47.1		ug/L		94	70 - 130
Bromoform	50.0	46.7		ug/L		93	69 - 129
Bromomethane	50.0	94.4		ug/L		189	28 - 192
2-Butanone (MEK)	250	253		ug/L		101	69 - 120
Carbon disulfide	50.0	58.5		ug/L		117	70 - 130
Carbon tetrachloride	50.0	48.1		ug/L		96	70 - 130
Chlorobenzene	50.0	47.0		ug/L		94	70 - 130
Chloroethane	50.0	102		ug/L		205	31 - 213
Chloroform	50.0	52.4		ug/L		105	70 - 130
Chloromethane	50.0	57.3		ug/L		115	59 - 127
Dibromochloromethane	50.0	47.8		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	38.8		ug/L		78	70 - 130
1,2-Dibromoethane	50.0	50.6		ug/L		101	70 - 130
Dibromomethane	50.0	50.9		ug/L		102	70 - 130
1,2-Dichlorobenzene	50.0	47.8		ug/L		96	70 - 130
1,4-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 130
trans-1,4-Dichloro-2-butene	50.0	48.1		ug/L		96	67 - 120
1,1-Dichloroethane	50.0	56.7		ug/L		113	70 - 130
1,2-Dichloroethane	50.0	54.4		ug/L		109	70 - 130
cis-1,2-Dichloroethene	50.0	54.7		ug/L		109	70 - 130
trans-1,2-Dichloroethene	50.0	51.7		ug/L		103	70 - 130
1,1-Dichloroethene	50.0	59.9		ug/L		120	70 - 130
1,2-Dichloropropane	50.0	51.4		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	51.2		ug/L		102	70 - 130
cis-1,3-Dichloropropene	50.0	48.7		ug/L		97	70 - 130
trans-1,3-Dichloropropene	50.0	51.7		ug/L		103	70 - 130
Ethylbenzene	50.0	52.0		ug/L		104	70 - 130
2-Hexanone	250	256		ug/L		102	70 - 130
Iodomethane	50.0	35.4		ug/L		71	52 - 129
Methylene Chloride	50.0	57.6		ug/L		115	70 - 130
4-Methyl-2-pentanone (MIBK)	250	266		ug/L		107	68 - 120
Methyl tert-butyl ether	50.0	47.0		ug/L		94	70 - 130
Styrene	50.0	53.1		ug/L		106	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.1		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 130
Tetrachloroethylene	50.0	50.2		ug/L		100	70 - 130
Toluene	50.0	52.0		ug/L		104	70 - 130
1,1,1-Trichloroethane	50.0	48.4		ug/L		97	70 - 130
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130
Trichloroethene	50.0	48.8		ug/L		98	70 - 130
Trichlorofluoromethane	50.0	73.8	E *+	ug/L		148	63 - 142
1,2,3-Trichloropropane	50.0	49.2		ug/L		98	70 - 130
Vinyl acetate	100	56.6	*-	ug/L		57	67 - 135
Vinyl chloride	50.0	55.1		ug/L		110	66 - 129

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCS 680-723636/4

Matrix: Water

Analysis Batch: 723636

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	100	104		ug/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	106		60 - 124
Dibromofluoromethane (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	79		70 - 130

Lab Sample ID: LCSD 680-723636/5

Matrix: Water

Analysis Batch: 723636

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
Acetone	250	311	*+	ug/L		124	67 - 120	7	30
Acrylonitrile	500	576		ug/L		115	70 - 130	3	30
Benzene	50.0	51.5		ug/L		103	70 - 130	1	30
Bromochloromethane	50.0	54.4		ug/L		109	70 - 130	1	30
Bromodichloromethane	50.0	46.9		ug/L		94	70 - 130	1	30
Bromoform	50.0	47.0		ug/L		94	69 - 129	1	30
Bromomethane	50.0	91.3		ug/L		183	28 - 192	3	30
2-Butanone (MEK)	250	260		ug/L		104	69 - 120	3	30
Carbon disulfide	50.0	57.3		ug/L		115	70 - 130	2	30
Carbon tetrachloride	50.0	48.1		ug/L		96	70 - 130	0	30
Chlorobenzene	50.0	46.7		ug/L		93	70 - 130	1	30
Chloroethane	50.0	96.9		ug/L		194	31 - 213	6	30
Chloroform	50.0	52.7		ug/L		105	70 - 130	0	30
Chloromethane	50.0	56.3		ug/L		113	59 - 127	2	30
Dibromochloromethane	50.0	48.2		ug/L		96	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	50.0	41.1		ug/L		82	70 - 130	6	30
1,2-Dibromoethane	50.0	51.3		ug/L		103	70 - 130	2	30
Dibromomethane	50.0	50.9		ug/L		102	70 - 130	0	30
1,2-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130	2	30
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	50.4		ug/L		101	67 - 120	5	30
1,1-Dichloroethane	50.0	57.0		ug/L		114	70 - 130	1	30
1,2-Dichloroethane	50.0	55.0		ug/L		110	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	54.1		ug/L		108	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	52.6		ug/L		105	70 - 130	2	30
1,1-Dichloroethene	50.0	59.2		ug/L		118	70 - 130	1	20
1,2-Dichloropropane	50.0	50.6		ug/L		101	70 - 130	2	20
1,3-Dichloropropane	50.0	52.6		ug/L		105	70 - 130	3	20
cis-1,3-Dichloropropene	50.0	50.4		ug/L		101	70 - 130	3	20
trans-1,3-Dichloropropene	50.0	53.2		ug/L		106	70 - 130	3	30
Ethylbenzene	50.0	51.5		ug/L		103	70 - 130	1	20
2-Hexanone	250	275		ug/L		110	70 - 130	7	20
Iodomethane	50.0	35.1		ug/L		70	52 - 129	1	30
Methylene Chloride	50.0	56.9		ug/L		114	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	281		ug/L		113	68 - 120	6	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-723636/5

Matrix: Water

Analysis Batch: 723636

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
Methyl tert-butyl ether	50.0	49.7		ug/L		99	70 - 130	5	30
Styrene	50.0	53.0		ug/L		106	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	50.5		ug/L		101	70 - 130	1	30
1,1,2,2-Tetrachloroethane	50.0	52.2		ug/L		104	70 - 130	2	30
Tetrachloroethylene	50.0	49.9		ug/L		100	70 - 130	1	30
Toluene	50.0	52.1		ug/L		104	70 - 130	0	30
1,1,1-Trichloroethane	50.0	49.2		ug/L		98	70 - 130	2	30
1,1,2-Trichloroethane	50.0	50.7		ug/L		101	70 - 130	4	30
Trichloroethene	50.0	48.9		ug/L		98	70 - 130	0	30
Trichlorofluoromethane	50.0	73.3	*+ E	ug/L		147	63 - 142	1	30
1,2,3-Trichloropropane	50.0	51.8		ug/L		104	70 - 130	5	30
Vinyl acetate	100	56.9	*-	ug/L		57	67 - 135	0	30
Vinyl chloride	50.0	54.9		ug/L		110	66 - 129	0	30
Xylenes, Total	100	103		ug/L		103	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	108		60 - 124
Dibromofluoromethane (Surr)	104		70 - 130
4-Bromofluorobenzene (Surr)	80		70 - 130

Lab Sample ID: MB 680-723650/10

Matrix: Water

Analysis Batch: 723650

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/01/22 14:58	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/01/22 14:58	1
Benzene	0.27	U	1.0	0.27	ug/L			06/01/22 14:58	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/01/22 14:58	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/01/22 14:58	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/01/22 14:58	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/01/22 14:58	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/01/22 14:58	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/01/22 14:58	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/01/22 14:58	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/01/22 14:58	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/01/22 14:58	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/01/22 14:58	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/01/22 14:58	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/01/22 14:58	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/01/22 14:58	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/01/22 14:58	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/01/22 14:58	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 14:58	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/01/22 14:58	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/01/22 14:58	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/01/22 14:58	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: MB 680-723650/10

Matrix: Water

Analysis Batch: 723650

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/01/22 14:58	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/01/22 14:58	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/01/22 14:58	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/01/22 14:58	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/01/22 14:58	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/01/22 14:58	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/01/22 14:58	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/01/22 14:58	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/01/22 14:58	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/01/22 14:58	1
Iodomethane	3.9	U	10	3.9	ug/L			06/01/22 14:58	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/01/22 14:58	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/01/22 14:58	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/01/22 14:58	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/22 14:58	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/01/22 14:58	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/01/22 14:58	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/01/22 14:58	1
Toluene	0.25	U	1.0	0.25	ug/L			06/01/22 14:58	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/01/22 14:58	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/01/22 14:58	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/01/22 14:58	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/01/22 14:58	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/01/22 14:58	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/01/22 14:58	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/01/22 14:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/22 14:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		70 - 130		06/01/22 14:58	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		06/01/22 14:58	1
Dibromofluoromethane (Surr)	100		70 - 130		06/01/22 14:58	1
4-Bromofluorobenzene (Surr)	109		70 - 130		06/01/22 14:58	1

Lab Sample ID: LCS 680-723650/5

Matrix: Water

Analysis Batch: 723650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	262		ug/L		105	67 - 120
Acrylonitrile	500	528		ug/L		106	70 - 130
Benzene	50.0	49.8		ug/L		100	70 - 130
Bromochloromethane	50.0	51.3		ug/L		103	70 - 130
Bromodichloromethane	50.0	51.0		ug/L		102	70 - 130
Bromoform	50.0	53.2		ug/L		106	69 - 129
Bromomethane	50.0	63.9		ug/L		128	28 - 192
2-Butanone (MEK)	250	256		ug/L		103	69 - 120
Carbon disulfide	50.0	48.0		ug/L		96	70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCS 680-723650/5

Matrix: Water

Analysis Batch: 723650

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	48.7		ug/L		97	70 - 130
Chlorobenzene	50.0	49.6		ug/L		99	70 - 130
Chloroethane	50.0	52.0		ug/L		104	31 - 213
Chloroform	50.0	49.8		ug/L		100	70 - 130
Chloromethane	50.0	49.7		ug/L		99	59 - 127
Dibromochloromethane	50.0	53.1		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	53.4		ug/L		107	70 - 130
1,2-Dibromoethane	50.0	54.1		ug/L		108	70 - 130
Dibromomethane	50.0	52.2		ug/L		104	70 - 130
1,2-Dichlorobenzene	50.0	51.3		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	49.3		ug/L		99	70 - 130
trans-1,4-Dichloro-2-butene	50.0	55.2		ug/L		110	67 - 120
1,1-Dichloroethane	50.0	50.3		ug/L		101	70 - 130
1,2-Dichloroethane	50.0	48.8		ug/L		98	70 - 130
cis-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	51.8		ug/L		104	70 - 130
1,1-Dichloroethene	50.0	49.1		ug/L		98	70 - 130
1,2-Dichloropropane	50.0	51.6		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	51.9		ug/L		104	70 - 130
cis-1,3-Dichloropropene	50.0	53.1		ug/L		106	70 - 130
trans-1,3-Dichloropropene	50.0	54.1		ug/L		108	70 - 130
Ethylbenzene	50.0	51.4		ug/L		103	70 - 130
2-Hexanone	250	268		ug/L		107	70 - 130
Iodomethane	50.0	43.7		ug/L		87	52 - 129
Methylene Chloride	50.0	49.9		ug/L		100	70 - 130
4-Methyl-2-pentanone (MIBK)	250	262		ug/L		105	68 - 120
Methyl tert-butyl ether	50.0	50.8		ug/L		102	70 - 130
Styrene	50.0	51.4		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.3		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/L		103	70 - 130
Tetrachloroethylene	50.0	48.5		ug/L		97	70 - 130
Toluene	50.0	50.6		ug/L		101	70 - 130
1,1,1-Trichloroethane	50.0	50.1		ug/L		100	70 - 130
1,1,2-Trichloroethane	50.0	52.0		ug/L		104	70 - 130
Trichloroethene	50.0	49.5		ug/L		99	70 - 130
Trichlorofluoromethane	50.0	45.7		ug/L		91	63 - 142
1,2,3-Trichloropropane	50.0	51.2		ug/L		102	70 - 130
Vinyl acetate	100	109		ug/L		109	67 - 135
Vinyl chloride	50.0	46.3		ug/L		93	66 - 129
Xylenes, Total	100	100		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		60 - 124
Dibromofluoromethane (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-723650/6

Matrix: Water

Analysis Batch: 723650

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
Acetone	250	255		ug/L		102	67 - 120	3	30
Acrylonitrile	500	530		ug/L		106	70 - 130	0	30
Benzene	50.0	49.5		ug/L		99	70 - 130	1	30
Bromochloromethane	50.0	49.1		ug/L		98	70 - 130	4	30
Bromodichloromethane	50.0	51.2		ug/L		102	70 - 130	0	30
Bromoform	50.0	53.6		ug/L		107	69 - 129	1	30
Bromomethane	50.0	61.9		ug/L		124	28 - 192	3	30
2-Butanone (MEK)	250	250		ug/L		100	69 - 120	3	30
Carbon disulfide	50.0	48.3		ug/L		97	70 - 130	1	30
Carbon tetrachloride	50.0	48.7		ug/L		97	70 - 130	0	30
Chlorobenzene	50.0	49.9		ug/L		100	70 - 130	1	30
Chloroethane	50.0	51.3		ug/L		103	31 - 213	1	30
Chloroform	50.0	49.6		ug/L		99	70 - 130	0	30
Chloromethane	50.0	49.6		ug/L		99	59 - 127	0	30
Dibromochloromethane	50.0	51.8		ug/L		104	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/L		101	70 - 130	5	30
1,2-Dibromoethane	50.0	52.4		ug/L		105	70 - 130	3	30
Dibromomethane	50.0	51.4		ug/L		103	70 - 130	1	30
1,2-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 130	2	30
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	53.4		ug/L		107	67 - 120	3	30
1,1-Dichloroethane	50.0	48.8		ug/L		98	70 - 130	3	30
1,2-Dichloroethane	50.0	51.5		ug/L		103	70 - 130	5	50
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 130	4	30
1,1-Dichloroethene	50.0	47.4		ug/L		95	70 - 130	4	20
1,2-Dichloropropane	50.0	50.9		ug/L		102	70 - 130	1	20
1,3-Dichloropropane	50.0	50.6		ug/L		101	70 - 130	3	20
cis-1,3-Dichloropropene	50.0	52.2		ug/L		104	70 - 130	2	20
trans-1,3-Dichloropropene	50.0	53.3		ug/L		107	70 - 130	1	30
Ethylbenzene	50.0	51.5		ug/L		103	70 - 130	0	20
2-Hexanone	250	264		ug/L		106	70 - 130	1	20
Iodomethane	50.0	43.0		ug/L		86	52 - 129	2	30
Methylene Chloride	50.0	49.8		ug/L		100	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	250	261		ug/L		104	68 - 120	0	30
Methyl tert-butyl ether	50.0	50.2		ug/L		100	70 - 130	1	30
Styrene	50.0	51.2		ug/L		102	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130	1	30
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 130	1	30
Tetrachloroethylene	50.0	48.9		ug/L		98	70 - 130	1	30
Toluene	50.0	50.8		ug/L		102	70 - 130	1	30
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	70 - 130	2	30
1,1,2-Trichloroethane	50.0	51.6		ug/L		103	70 - 130	1	30
Trichloroethene	50.0	48.8		ug/L		98	70 - 130	1	30
Trichlorofluoromethane	50.0	44.5		ug/L		89	63 - 142	3	30
1,2,3-Trichloropropane	50.0	50.6		ug/L		101	70 - 130	1	30
Vinyl acetate	100	106		ug/L		106	67 - 135	3	30
Vinyl chloride	50.0	46.1		ug/L		92	66 - 129	1	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-723650/6

Matrix: Water

Analysis Batch: 723650

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
Xylenes, Total	100	99.9		ug/L		100	70 - 130	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Toluene-d8 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		60 - 124
Dibromofluoromethane (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 680-723809/9

Matrix: Water

Analysis Batch: 723809

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 14:42	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 14:42	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 14:42	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 14:42	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 14:42	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 14:42	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 14:42	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 14:42	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 14:42	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 14:42	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 14:42	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 14:42	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 14:42	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/02/22 14:42	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 14:42	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/02/22 14:42	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:42	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 14:42	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 14:42	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 14:42	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/02/22 14:42	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:42	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 14:42	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 14:42	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 14:42	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 14:42	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 14:42	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 14:42	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 14:42	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 14:42	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 14:42	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/02/22 14:42	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 14:42	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 14:42	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 14:42	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: MB 680-723809/9

Matrix: Water

Analysis Batch: 723809

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 14:42	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 14:42	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 14:42	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 14:42	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 14:42	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 14:42	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 14:42	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 14:42	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 14:42	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/02/22 14:42	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 14:42	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/02/22 14:42	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 14:42	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 14:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		06/02/22 14:42	1
1,2-Dichloroethane-d4 (Surr)	108		60 - 124		06/02/22 14:42	1
Dibromofluoromethane (Surr)	109		70 - 130		06/02/22 14:42	1
4-Bromofluorobenzene (Surr)	102		70 - 130		06/02/22 14:42	1

Lab Sample ID: LCS 680-723809/4

Matrix: Water

Analysis Batch: 723809

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	216		ug/L		86	67 - 120
Acrylonitrile	500	415		ug/L		83	70 - 130
Benzene	50.0	49.4		ug/L		99	70 - 130
Bromochloromethane	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	50.0	45.4		ug/L		91	70 - 130
Bromoform	50.0	43.6		ug/L		87	69 - 129
Bromomethane	50.0	49.0		ug/L		98	28 - 192
2-Butanone (MEK)	250	214		ug/L		85	69 - 120
Carbon disulfide	50.0	55.5		ug/L		111	70 - 130
Carbon tetrachloride	50.0	36.6		ug/L		73	70 - 130
Chlorobenzene	50.0	46.3		ug/L		93	70 - 130
Chloroethane	50.0	53.0		ug/L		106	31 - 213
Chloroform	50.0	49.7		ug/L		99	70 - 130
Chloromethane	50.0	81.0	*+	ug/L		162	59 - 127
Dibromochloromethane	50.0	39.4		ug/L		79	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	33.8	*-	ug/L		68	70 - 130
1,2-Dibromoethane	50.0	39.4		ug/L		79	70 - 130
Dibromomethane	50.0	46.3		ug/L		93	70 - 130
1,2-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	44.6		ug/L		89	70 - 130
trans-1,4-Dichloro-2-butene	50.0	34.9		ug/L		70	67 - 120
1,1-Dichloroethane	50.0	49.5		ug/L		99	70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCS 680-723809/4

Matrix: Water

Analysis Batch: 723809

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	50.9		ug/L		102	70 - 130
cis-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	54.1		ug/L		108	70 - 130
1,1-Dichloroethene	50.0	58.4		ug/L		117	70 - 130
1,2-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	41.8		ug/L		84	70 - 130
cis-1,3-Dichloropropene	50.0	41.4		ug/L		83	70 - 130
trans-1,3-Dichloropropene	50.0	40.3		ug/L		81	70 - 130
Ethylbenzene	50.0	45.7		ug/L		91	70 - 130
2-Hexanone	250	165	*-	ug/L		66	70 - 130
Iodomethane	50.0	48.1		ug/L		96	52 - 129
Methylene Chloride	50.0	47.9		ug/L		96	70 - 130
4-Methyl-2-pentanone (MIBK)	250	175		ug/L		70	68 - 120
Methyl tert-butyl ether	50.0	44.5		ug/L		89	70 - 130
Styrene	50.0	43.5		ug/L		87	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.4		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.7		ug/L		101	70 - 130
Tetrachloroethylene	50.0	39.2		ug/L		78	70 - 130
Toluene	50.0	41.2		ug/L		82	70 - 130
1,1,1-Trichloroethane	50.0	39.0		ug/L		78	70 - 130
1,1,2-Trichloroethane	50.0	42.1		ug/L		84	70 - 130
Trichloroethene	50.0	42.1		ug/L		84	70 - 130
Trichlorofluoromethane	50.0	75.7	*+	ug/L		151	63 - 142
1,2,3-Trichloropropane	50.0	47.5		ug/L		95	70 - 130
Vinyl acetate	100	55.1	*-	ug/L		55	67 - 135
Vinyl chloride	50.0	51.0		ug/L		102	66 - 129
Xylenes, Total	100	91.0		ug/L		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	104		60 - 124
Dibromofluoromethane (Surr)	107		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 680-723809/5

Matrix: Water

Analysis Batch: 723809

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
Acetone	250	224		ug/L		90	67 - 120	4	30
Acrylonitrile	500	422		ug/L		84	70 - 130	2	30
Benzene	50.0	49.3		ug/L		99	70 - 130	0	30
Bromochloromethane	50.0	48.7		ug/L		97	70 - 130	4	30
Bromodichloromethane	50.0	46.0		ug/L		92	70 - 130	1	30
Bromoform	50.0	42.5		ug/L		85	69 - 129	3	30
Bromomethane	50.0	50.7		ug/L		101	28 - 192	3	30
2-Butanone (MEK)	250	211		ug/L		84	69 - 120	1	30
Carbon disulfide	50.0	60.3		ug/L		121	70 - 130	8	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-723809/5

Matrix: Water

Analysis Batch: 723809

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
Carbon tetrachloride	50.0	35.7		ug/L		71	70 - 130	2	30
Chlorobenzene	50.0	46.0		ug/L		92	70 - 130	1	30
Chloroethane	50.0	59.1		ug/L		118	31 - 213	11	30
Chloroform	50.0	49.0		ug/L		98	70 - 130	1	30
Chloromethane	50.0	79.2	*+	ug/L		158	59 - 127	2	30
Dibromochloromethane	50.0	39.2		ug/L		78	70 - 130	0	30
1,2-Dibromo-3-Chloropropane	50.0	35.1		ug/L		70	70 - 130	4	30
1,2-Dibromoethane	50.0	38.7		ug/L		77	70 - 130	2	30
Dibromomethane	50.0	46.6		ug/L		93	70 - 130	1	30
1,2-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 130	1	30
1,4-Dichlorobenzene	50.0	45.0		ug/L		90	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	32.8	*-	ug/L		66	67 - 120	6	30
1,1-Dichloroethane	50.0	50.5		ug/L		101	70 - 130	2	30
1,2-Dichloroethane	50.0	49.0		ug/L		98	70 - 130	4	50
cis-1,2-Dichloroethene	50.0	49.9		ug/L		100	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	54.8		ug/L		110	70 - 130	1	30
1,1-Dichloroethene	50.0	57.9		ug/L		116	70 - 130	1	20
1,2-Dichloropropane	50.0	50.1		ug/L		100	70 - 130	2	20
1,3-Dichloropropane	50.0	41.8		ug/L		84	70 - 130	0	20
cis-1,3-Dichloropropene	50.0	41.2		ug/L		82	70 - 130	0	20
trans-1,3-Dichloropropene	50.0	40.2		ug/L		80	70 - 130	0	30
Ethylbenzene	50.0	45.4		ug/L		91	70 - 130	1	20
2-Hexanone	250	162	*-	ug/L		65	70 - 130	2	20
Iodomethane	50.0	49.0		ug/L		98	52 - 129	2	30
Methylene Chloride	50.0	48.0		ug/L		96	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	250	173		ug/L		69	68 - 120	1	30
Methyl tert-butyl ether	50.0	44.6		ug/L		89	70 - 130	0	30
Styrene	50.0	42.7		ug/L		85	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	47.2		ug/L		94	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	70 - 130	2	30
Tetrachloroethylene	50.0	38.9		ug/L		78	70 - 130	1	30
Toluene	50.0	40.9		ug/L		82	70 - 130	1	30
1,1,1-Trichloroethane	50.0	39.2		ug/L		78	70 - 130	0	30
1,1,2-Trichloroethane	50.0	41.7		ug/L		83	70 - 130	1	30
Trichloroethene	50.0	42.3		ug/L		85	70 - 130	0	30
Trichlorofluoromethane	50.0	85.7	*+	ug/L		171	63 - 142	12	30
1,2,3-Trichloropropane	50.0	46.9		ug/L		94	70 - 130	1	30
Vinyl acetate	100	57.6	*-	ug/L		58	67 - 135	4	30
Vinyl chloride	50.0	53.4		ug/L		107	66 - 129	5	30
Xylenes, Total	100	90.6		ug/L		91	70 - 130	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		60 - 124
Dibromofluoromethane (Surr)	106		70 - 130
4-Bromofluorobenzene (Surr)	98		70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: 680-215923-1 MS

Matrix: Water

Analysis Batch: 723809

Client Sample ID: OLF-G07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	3.7	U F1	250	129	F1	ug/L		51	67 - 120
Acrylonitrile	5.5	U F1	500	277	F1	ug/L		55	70 - 130
Benzene	0.27	U F1	50.0	32.5	F1	ug/L		65	70 - 130
Bromochloromethane	0.34	U F1	50.0	30.1	F1	ug/L		60	70 - 130
Bromodichloromethane	0.25	U F1	50.0	28.7	F1	ug/L		57	70 - 130
Bromoform	0.59	U F1	50.0	29.7	F1	ug/L		59	69 - 129
Bromomethane	3.7	U F2	50.0	77.4		ug/L		155	28 - 192
2-Butanone (MEK)	6.4	U F1	250	137	F1	ug/L		55	69 - 120
Carbon disulfide	0.43	U	50.0	40.2		ug/L		80	70 - 130
Carbon tetrachloride	0.30	U F1	50.0	24.3	F1	ug/L		49	70 - 130
Chlorobenzene	0.15	U F1	50.0	30.8	F1	ug/L		62	70 - 130
Chloroethane	4.6	U F2	50.0	68.9		ug/L		138	31 - 213
Chloroform	0.27	U F1	50.0	31.6	F1	ug/L		63	70 - 130
Chloromethane	0.54	U *+ F2 F1	50.0	106	F1	ug/L		213	59 - 127
Dibromochloromethane	0.39	U F1	50.0	25.0	F1	ug/L		50	70 - 130
1,2-Dibromo-3-Chloropropane	1.8	U F1 *-	50.0	21.6	F1	ug/L		43	70 - 130
1,2-Dibromoethane	0.33	U F1	50.0	24.7	F1	ug/L		49	70 - 130
Dibromomethane	0.34	U F1	50.0	30.6	F1	ug/L		61	70 - 130
1,2-Dichlorobenzene	0.31	U F1	50.0	29.7	F1	ug/L		59	70 - 130
1,4-Dichlorobenzene	0.31	U F1	50.0	28.6	F1	ug/L		57	70 - 130
trans-1,4-Dichloro-2-butene	1.3	U *- F1	50.0	16.7	F1	ug/L		33	67 - 120
1,1-Dichloroethane	0.33	U F1	50.0	29.4	F1	ug/L		59	70 - 130
1,2-Dichloroethane	0.25	U F1	50.0	33.2	F1	ug/L		66	70 - 130
cis-1,2-Dichloroethene	8.2	F1	50.0	39.3	F1	ug/L		62	70 - 130
trans-1,2-Dichloroethene	3.6		50.0	40.8		ug/L		74	70 - 130
1,1-Dichloroethene	0.33	U	50.0	40.9		ug/L		82	70 - 130
1,2-Dichloropropane	0.22	U F1	50.0	32.1	F1	ug/L		64	70 - 130
1,3-Dichloropropane	0.36	U F2 F1	50.0	26.6	F1	ug/L		53	70 - 130
cis-1,3-Dichloropropene	0.26	U F2 F1	50.0	22.6	F1	ug/L		45	70 - 130
trans-1,3-Dichloropropene	0.23	U F1	50.0	23.2	F1	ug/L		46	70 - 130
Ethylbenzene	0.20	U F1	50.0	30.0	F1	ug/L		60	70 - 130
2-Hexanone	3.2	U F2 *- F1	250	109	F1	ug/L		44	70 - 130
Iodomethane	3.9	U	50.0	32.3		ug/L		65	52 - 129
Methylene Chloride	3.2	U F1	50.0	30.5	F1	ug/L		61	70 - 130
4-Methyl-2-pentanone (MIBK)	2.7	U F1	250	115	F1	ug/L		46	68 - 120
Methyl tert-butyl ether	0.81	U F1	50.0	28.1	F1	ug/L		56	70 - 130
Styrene	0.27	U F1	50.0	28.1	F1	ug/L		56	70 - 130
1,1,1,2-Tetrachloroethane	0.36	U F1	50.0	32.0	F1	ug/L		64	70 - 130
1,1,2,2-Tetrachloroethane	130	F1	50.0	151	F1	ug/L		36	70 - 130
Tetrachloroethylene	0.53	F1	50.0	26.4	F1	ug/L		52	70 - 130
Toluene	0.25	U F1	50.0	26.4	F1	ug/L		53	70 - 130
1,1,1-Trichloroethane	0.21	U F1	50.0	25.2	F1	ug/L		50	70 - 130
1,1,2-Trichloroethane	1.2	F1	50.0	28.8	F1	ug/L		55	70 - 130
Trichloroethene	50		50.0	88.4		ug/L		77	70 - 130
Trichlorofluoromethane	0.33	U *+ F2 F1	50.0	114	F1	ug/L		227	63 - 142
1,2,3-Trichloropropane	0.48	U F1	50.0	33.4	F1	ug/L		67	70 - 130
Vinyl acetate	0.69	U *- F1	100	31.3	F1	ug/L		31	67 - 135

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: 680-215923-1 MS

Matrix: Water

Analysis Batch: 723809

Client Sample ID: OLF-G07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vinyl chloride	0.40	U F2 F1	50.0	66.1	F1	ug/L		132	66 - 129
Xylenes, Total	0.23	U F1	100	57.8	F1	ug/L		58	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
Toluene-d8 (Surr)	74		70 - 130						
1,2-Dichloroethane-d4 (Surr)	68		60 - 124						
Dibromofluoromethane (Surr)	70		70 - 130						
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130						

Lab Sample ID: 680-215923-1 MSD

Matrix: Water

Analysis Batch: 723809

Client Sample ID: OLF-G07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	3.7	U F1	250	159	F1	ug/L		63	67 - 120	21	30
Acrylonitrile	5.5	U F1	500	334	F1	ug/L		67	70 - 130	19	30
Benzene	0.27	U F1	50.0	39.3		ug/L		79	70 - 130	19	30
Bromochloromethane	0.34	U F1	50.0	37.1		ug/L		74	70 - 130	21	30
Bromodichloromethane	0.25	U F1	50.0	35.9		ug/L		72	70 - 130	22	30
Bromoform	0.59	U F1	50.0	34.9		ug/L		70	69 - 129	16	30
Bromomethane	3.7	U F2	50.0	42.8	F2	ug/L		86	28 - 192	58	30
2-Butanone (MEK)	6.4	U F1	250	166	F1	ug/L		67	69 - 120	19	30
Carbon disulfide	0.43	U	50.0	49.6		ug/L		99	70 - 130	21	30
Carbon tetrachloride	0.30	U F1	50.0	30.5	F1	ug/L		61	70 - 130	23	30
Chlorobenzene	0.15	U F1	50.0	37.0		ug/L		74	70 - 130	19	30
Chloroethane	4.6	U F2	50.0	45.4	F2	ug/L		91	31 - 213	41	30
Chloroform	0.27	U F1	50.0	38.1		ug/L		76	70 - 130	19	30
Chloromethane	0.54	U *+ F2	50.0	60.0	F2	ug/L		120	59 - 127	56	30
		F1									
Dibromochloromethane	0.39	U F1	50.0	32.0	F1	ug/L		64	70 - 130	24	30
1,2-Dibromo-3-Chloropropane	1.8	U F1 *-	50.0	24.8	F1	ug/L		50	70 - 130	14	30
1,2-Dibromoethane	0.33	U F1	50.0	30.6	F1	ug/L		61	70 - 130	21	30
Dibromomethane	0.34	U F1	50.0	36.8		ug/L		74	70 - 130	18	30
1,2-Dichlorobenzene	0.31	U F1	50.0	36.8		ug/L		74	70 - 130	21	30
1,4-Dichlorobenzene	0.31	U F1	50.0	35.3		ug/L		71	70 - 130	21	30
trans-1,4-Dichloro-2-butene	1.3	U *- F1	50.0	20.6	F1	ug/L		41	67 - 120	21	30
1,1-Dichloroethane	0.33	U F1	50.0	38.1		ug/L		76	70 - 130	26	30
1,2-Dichloroethane	0.25	U F1	50.0	39.3		ug/L		79	70 - 130	17	50
cis-1,2-Dichloroethene	8.2	F1	50.0	46.9		ug/L		77	70 - 130	18	30
trans-1,2-Dichloroethene	3.6		50.0	49.3		ug/L		91	70 - 130	19	30
1,1-Dichloroethene	0.33	U	50.0	49.8		ug/L		100	70 - 130	20	20
1,2-Dichloropropane	0.22	U F1	50.0	37.7		ug/L		75	70 - 130	16	20
1,3-Dichloropropane	0.36	U F2 F1	50.0	32.7	F2 F1	ug/L		65	70 - 130	21	20
cis-1,3-Dichloropropene	0.26	U F2 F1	50.0	29.4	F2 F1	ug/L		59	70 - 130	26	20
trans-1,3-Dichloropropene	0.23	U F1	50.0	29.5	F1	ug/L		59	70 - 130	24	30
Ethylbenzene	0.20	U F1	50.0	36.8		ug/L		74	70 - 130	20	20
2-Hexanone	3.2	U F2 *- F1	250	136	F2 F1	ug/L		54	70 - 130	22	20
Iodomethane	3.9	U	50.0	39.5		ug/L		79	52 - 129	20	30
Methylene Chloride	3.2	U F1	50.0	38.3		ug/L		77	70 - 130	23	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: 680-215923-1 MSD

Matrix: Water

Analysis Batch: 723809

Client Sample ID: OLF-G07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	2.7	U F1	250	140	F1	ug/L		56	68 - 120	20	30
Methyl tert-butyl ether	0.81	U F1	50.0	34.7	F1	ug/L		69	70 - 130	21	30
Styrene	0.27	U F1	50.0	33.7	F1	ug/L		67	70 - 130	18	30
1,1,1,2-Tetrachloroethane	0.36	U F1	50.0	38.1		ug/L		76	70 - 130	17	30
1,1,2,2-Tetrachloroethane	130	F1	50.0	152	F1	ug/L		38	70 - 130	1	30
Tetrachloroethylene	0.53	F1	50.0	33.9	F1	ug/L		67	70 - 130	25	30
Toluene	0.25	U F1	50.0	33.3	F1	ug/L		67	70 - 130	23	30
1,1,1-Trichloroethane	0.21	U F1	50.0	30.7	F1	ug/L		61	70 - 130	20	30
1,1,2-Trichloroethane	1.2	F1	50.0	35.2	F1	ug/L		68	70 - 130	20	30
Trichloroethene	50		50.0	93.7		ug/L		88	70 - 130	6	30
Trichlorofluoromethane	0.33	U *+ F2	50.0	59.2	F2	ug/L		118	63 - 142	63	30
		F1									
1,2,3-Trichloropropane	0.48	U F1	50.0	39.6		ug/L		79	70 - 130	17	30
Vinyl acetate	0.69	U *- F1	100	38.7	F1	ug/L		39	67 - 135	21	30
Vinyl chloride	0.40	U F2 F1	50.0	36.3	F2	ug/L		73	66 - 129	58	30
Xylenes, Total	0.23	U F1	100	71.8		ug/L		72	70 - 130	22	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	88		70 - 130
1,2-Dichloroethane-d4 (Surr)	80		60 - 124
Dibromofluoromethane (Surr)	83		70 - 130
4-Bromofluorobenzene (Surr)	74		70 - 130

Lab Sample ID: MB 680-723818/10

Matrix: Water

Analysis Batch: 723818

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 13:01	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 13:01	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 13:01	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 13:01	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 13:01	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 13:01	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 13:01	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 13:01	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 13:01	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 13:01	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 13:01	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 13:01	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 13:01	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/02/22 13:01	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 13:01	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/02/22 13:01	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 13:01	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 13:01	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 13:01	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 13:01	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/02/22 13:01	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: MB 680-723818/10

Matrix: Water

Analysis Batch: 723818

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 13:01	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 13:01	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 13:01	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 13:01	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 13:01	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 13:01	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 13:01	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 13:01	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 13:01	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 13:01	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/02/22 13:01	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 13:01	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 13:01	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 13:01	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 13:01	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 13:01	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 13:01	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 13:01	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 13:01	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 13:01	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 13:01	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 13:01	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 13:01	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/02/22 13:01	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 13:01	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/02/22 13:01	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 13:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 13:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		06/02/22 13:01	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 124		06/02/22 13:01	1
Dibromofluoromethane (Surr)	104		70 - 130		06/02/22 13:01	1
4-Bromofluorobenzene (Surr)	94		70 - 130		06/02/22 13:01	1

Lab Sample ID: LCS 680-723818/5

Matrix: Water

Analysis Batch: 723818

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	224		ug/L		89	67 - 120
Acrylonitrile	500	409		ug/L		82	70 - 130
Benzene	50.0	47.8		ug/L		96	70 - 130
Bromochloromethane	50.0	52.2		ug/L		104	70 - 130
Bromodichloromethane	50.0	45.0		ug/L		90	70 - 130
Bromoform	50.0	51.8		ug/L		104	69 - 129
Bromomethane	50.0	42.1		ug/L		84	28 - 192
2-Butanone (MEK)	250	198		ug/L		79	69 - 120

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCS 680-723818/5

Matrix: Water

Analysis Batch: 723818

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	50.0	43.0		ug/L		86	70 - 130
Carbon tetrachloride	50.0	46.7		ug/L		93	70 - 130
Chlorobenzene	50.0	53.1		ug/L		106	70 - 130
Chloroethane	50.0	47.4		ug/L		95	31 - 213
Chloroform	50.0	46.3		ug/L		93	70 - 130
Chloromethane	50.0	33.9		ug/L		68	59 - 127
Dibromochloromethane	50.0	48.1		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	51.0		ug/L		102	70 - 130
1,2-Dibromoethane	50.0	51.0		ug/L		102	70 - 130
Dibromomethane	50.0	47.2		ug/L		94	70 - 130
1,2-Dichlorobenzene	50.0	51.3		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130
trans-1,4-Dichloro-2-butene	50.0	40.0		ug/L		80	67 - 120
1,1-Dichloroethane	50.0	43.9		ug/L		88	70 - 130
1,2-Dichloroethane	50.0	46.9		ug/L		94	70 - 130
cis-1,2-Dichloroethene	50.0	44.2		ug/L		88	70 - 130
trans-1,2-Dichloroethene	50.0	45.5		ug/L		91	70 - 130
1,1-Dichloroethene	50.0	46.3		ug/L		93	70 - 130
1,2-Dichloropropane	50.0	45.6		ug/L		91	70 - 130
1,3-Dichloropropane	50.0	48.9		ug/L		98	70 - 130
cis-1,3-Dichloropropene	50.0	48.1		ug/L		96	70 - 130
trans-1,3-Dichloropropene	50.0	48.6		ug/L		97	70 - 130
Ethylbenzene	50.0	50.9		ug/L		102	70 - 130
2-Hexanone	250	191		ug/L		76	70 - 130
Iodomethane	50.0	46.5		ug/L		93	52 - 129
Methylene Chloride	50.0	45.7		ug/L		91	70 - 130
4-Methyl-2-pentanone (MIBK)	250	201		ug/L		80	68 - 120
Methyl tert-butyl ether	50.0	46.7		ug/L		93	70 - 130
Styrene	50.0	51.4		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	50.0	55.8		ug/L		112	70 - 130
1,1,2,2-Tetrachloroethane	50.0	43.7		ug/L		87	70 - 130
Tetrachloroethylene	50.0	54.7		ug/L		109	70 - 130
Toluene	50.0	48.5		ug/L		97	70 - 130
1,1,1-Trichloroethane	50.0	43.4		ug/L		87	70 - 130
1,1,2-Trichloroethane	50.0	47.8		ug/L		96	70 - 130
Trichloroethene	50.0	53.5		ug/L		107	70 - 130
Trichlorofluoromethane	50.0	47.2		ug/L		94	63 - 142
1,2,3-Trichloropropane	50.0	52.7		ug/L		105	70 - 130
Vinyl acetate	100	54.6	*-	ug/L		55	67 - 135
Vinyl chloride	50.0	36.3		ug/L		73	66 - 129
Xylenes, Total	100	98.2		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Dibromofluoromethane (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	90		70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-723818/6

Matrix: Water

Analysis Batch: 723818

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
Acetone	250	220		ug/L		88	67 - 120	1	30
Acrylonitrile	500	421		ug/L		84	70 - 130	3	30
Benzene	50.0	49.1		ug/L		98	70 - 130	3	30
Bromochloromethane	50.0	53.9		ug/L		108	70 - 130	3	30
Bromodichloromethane	50.0	45.9		ug/L		92	70 - 130	2	30
Bromoform	50.0	52.9		ug/L		106	69 - 129	2	30
Bromomethane	50.0	44.3		ug/L		89	28 - 192	5	30
2-Butanone (MEK)	250	206		ug/L		82	69 - 120	4	30
Carbon disulfide	50.0	43.7		ug/L		87	70 - 130	2	30
Carbon tetrachloride	50.0	48.1		ug/L		96	70 - 130	3	30
Chlorobenzene	50.0	53.3		ug/L		107	70 - 130	1	30
Chloroethane	50.0	45.8		ug/L		92	31 - 213	3	30
Chloroform	50.0	47.2		ug/L		94	70 - 130	2	30
Chloromethane	50.0	34.1		ug/L		68	59 - 127	1	30
Dibromochloromethane	50.0	49.5		ug/L		99	70 - 130	3	30
1,2-Dibromo-3-Chloropropane	50.0	52.0		ug/L		104	70 - 130	2	30
1,2-Dibromoethane	50.0	52.8		ug/L		106	70 - 130	3	30
Dibromomethane	50.0	48.6		ug/L		97	70 - 130	3	30
1,2-Dichlorobenzene	50.0	52.1		ug/L		104	70 - 130	2	30
1,4-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	39.4		ug/L		79	67 - 120	1	30
1,1-Dichloroethane	50.0	44.6		ug/L		89	70 - 130	2	30
1,2-Dichloroethane	50.0	47.7		ug/L		95	70 - 130	2	50
cis-1,2-Dichloroethene	50.0	45.3		ug/L		91	70 - 130	2	30
trans-1,2-Dichloroethene	50.0	46.4		ug/L		93	70 - 130	2	30
1,1-Dichloroethene	50.0	47.5		ug/L		95	70 - 130	3	20
1,2-Dichloropropane	50.0	46.4		ug/L		93	70 - 130	2	20
1,3-Dichloropropane	50.0	49.7		ug/L		99	70 - 130	2	20
cis-1,3-Dichloropropene	50.0	49.0		ug/L		98	70 - 130	2	20
trans-1,3-Dichloropropene	50.0	49.8		ug/L		100	70 - 130	2	30
Ethylbenzene	50.0	51.2		ug/L		102	70 - 130	1	20
2-Hexanone	250	197		ug/L		79	70 - 130	3	20
Iodomethane	50.0	47.0		ug/L		94	52 - 129	1	30
Methylene Chloride	50.0	46.2		ug/L		92	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	207		ug/L		83	68 - 120	3	30
Methyl tert-butyl ether	50.0	48.5		ug/L		97	70 - 130	4	30
Styrene	50.0	51.9		ug/L		104	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	56.5		ug/L		113	70 - 130	1	30
1,1,2,2-Tetrachloroethane	50.0	45.5		ug/L		91	70 - 130	4	30
Tetrachloroethylene	50.0	55.9		ug/L		112	70 - 130	2	30
Toluene	50.0	49.2		ug/L		98	70 - 130	1	30
1,1,1-Trichloroethane	50.0	44.7		ug/L		89	70 - 130	3	30
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	70 - 130	4	30
Trichloroethene	50.0	55.4		ug/L		111	70 - 130	3	30
Trichlorofluoromethane	50.0	48.3		ug/L		97	63 - 142	2	30
1,2,3-Trichloropropane	50.0	53.8		ug/L		108	70 - 130	2	30
Vinyl acetate	100	56.0	*	ug/L		56	67 - 135	3	30
Vinyl chloride	50.0	36.6		ug/L		73	66 - 129	1	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-723818/6

Matrix: Water

Analysis Batch: 723818

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
Xylenes, Total	100	98.9		ug/L		99	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Toluene-d8 (Surr)	109		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		60 - 124
Dibromofluoromethane (Surr)	103		70 - 130
4-Bromofluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 680-723828/9

Matrix: Water

Analysis Batch: 723828

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/02/22 13:57	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/02/22 13:57	1
Benzene	0.27	U	1.0	0.27	ug/L			06/02/22 13:57	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/02/22 13:57	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/02/22 13:57	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/02/22 13:57	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/02/22 13:57	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/02/22 13:57	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/02/22 13:57	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/02/22 13:57	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/02/22 13:57	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/02/22 13:57	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/02/22 13:57	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/02/22 13:57	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/02/22 13:57	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/02/22 13:57	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/02/22 13:57	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/02/22 13:57	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 13:57	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/02/22 13:57	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/02/22 13:57	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/02/22 13:57	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/02/22 13:57	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/02/22 13:57	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/02/22 13:57	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/02/22 13:57	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/02/22 13:57	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/02/22 13:57	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/02/22 13:57	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/02/22 13:57	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/02/22 13:57	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/02/22 13:57	1
Iodomethane	3.9	U	10	3.9	ug/L			06/02/22 13:57	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/02/22 13:57	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/02/22 13:57	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: MB 680-723828/9

Matrix: Water

Analysis Batch: 723828

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/02/22 13:57	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/22 13:57	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/02/22 13:57	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/02/22 13:57	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/02/22 13:57	1
Toluene	0.25	U	1.0	0.25	ug/L			06/02/22 13:57	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/02/22 13:57	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/02/22 13:57	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/02/22 13:57	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/02/22 13:57	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/02/22 13:57	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/02/22 13:57	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/02/22 13:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/22 13:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		06/02/22 13:57	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		06/02/22 13:57	1
Dibromofluoromethane (Surr)	92		70 - 130		06/02/22 13:57	1
4-Bromofluorobenzene (Surr)	113		70 - 130		06/02/22 13:57	1

Lab Sample ID: LCS 680-723828/4

Matrix: Water

Analysis Batch: 723828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	300		ug/L		120	67 - 120
Acrylonitrile	500	512		ug/L		102	70 - 130
Benzene	50.0	52.4		ug/L		105	70 - 130
Bromochloromethane	50.0	51.6		ug/L		103	70 - 130
Bromodichloromethane	50.0	47.7		ug/L		95	70 - 130
Bromoform	50.0	37.3		ug/L		75	69 - 129
Bromomethane	50.0	84.2		ug/L		168	28 - 192
2-Butanone (MEK)	250	239		ug/L		96	69 - 120
Carbon disulfide	50.0	55.9		ug/L		112	70 - 130
Carbon tetrachloride	50.0	44.2		ug/L		88	70 - 130
Chlorobenzene	50.0	46.0		ug/L		92	70 - 130
Chloroethane	50.0	103		ug/L		206	31 - 213
Chloroform	50.0	54.7		ug/L		109	70 - 130
Chloromethane	50.0	44.6		ug/L		89	59 - 127
Dibromochloromethane	50.0	44.7		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	41.7		ug/L		83	70 - 130
1,2-Dibromoethane	50.0	49.9		ug/L		100	70 - 130
Dibromomethane	50.0	52.0		ug/L		104	70 - 130
1,2-Dichlorobenzene	50.0	49.5		ug/L		99	70 - 130
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130
trans-1,4-Dichloro-2-butene	50.0	43.3		ug/L		87	67 - 120
1,1-Dichloroethane	50.0	54.3		ug/L		109	70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCS 680-723828/4

Matrix: Water

Analysis Batch: 723828

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloroethane	50.0	55.5		ug/L		111	70 - 130
cis-1,2-Dichloroethene	50.0	53.7		ug/L		107	70 - 130
trans-1,2-Dichloroethene	50.0	53.0		ug/L		106	70 - 130
1,1-Dichloroethene	50.0	56.6		ug/L		113	70 - 130
1,2-Dichloropropane	50.0	48.4		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	52.0		ug/L		104	70 - 130
cis-1,3-Dichloropropene	50.0	50.0		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	52.8		ug/L		106	70 - 130
Ethylbenzene	50.0	52.1		ug/L		104	70 - 130
2-Hexanone	250	239		ug/L		96	70 - 130
Iodomethane	50.0	27.7		ug/L		55	52 - 129
Methylene Chloride	50.0	58.5		ug/L		117	70 - 130
4-Methyl-2-pentanone (MIBK)	250	248		ug/L		99	68 - 120
Methyl tert-butyl ether	50.0	45.1		ug/L		90	70 - 130
Styrene	50.0	51.4		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	50.0	45.1		ug/L		90	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.5		ug/L		101	70 - 130
Tetrachloroethylene	50.0	41.6		ug/L		83	70 - 130
Toluene	50.0	54.0		ug/L		108	70 - 130
1,1,1-Trichloroethane	50.0	48.2		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	50.8		ug/L		102	70 - 130
Trichloroethene	50.0	45.2		ug/L		90	70 - 130
Trichlorofluoromethane	50.0	60.6	E	ug/L		121	63 - 142
1,2,3-Trichloropropane	50.0	47.6		ug/L		95	70 - 130
Vinyl acetate	100	44.8	*-	ug/L		45	67 - 135
Vinyl chloride	50.0	47.4		ug/L		95	66 - 129
Xylenes, Total	100	105		ug/L		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	107		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		60 - 124
Dibromofluoromethane (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 680-723828/5

Matrix: Water

Analysis Batch: 723828

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
Acetone	250	317	*+	ug/L		127	67 - 120	5	30
Acrylonitrile	500	532		ug/L		106	70 - 130	4	30
Benzene	50.0	53.8		ug/L		108	70 - 130	3	30
Bromochloromethane	50.0	53.0		ug/L		106	70 - 130	3	30
Bromodichloromethane	50.0	48.2		ug/L		96	70 - 130	1	30
Bromoform	50.0	37.6		ug/L		75	69 - 129	1	30
Bromomethane	50.0	88.4		ug/L		177	28 - 192	5	30
2-Butanone (MEK)	250	248		ug/L		99	69 - 120	3	30
Carbon disulfide	50.0	57.8		ug/L		116	70 - 130	3	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-723828/5

Matrix: Water

Analysis Batch: 723828

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
Carbon tetrachloride	50.0	45.9		ug/L		92	70 - 130	4	30
Chlorobenzene	50.0	46.7		ug/L		93	70 - 130	2	30
Chloroethane	50.0	109	*+	ug/L		218	31 - 213	5	30
Chloroform	50.0	55.8		ug/L		112	70 - 130	2	30
Chloromethane	50.0	46.8		ug/L		94	59 - 127	5	30
Dibromochloromethane	50.0	45.4		ug/L		91	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	50.0	42.7		ug/L		85	70 - 130	2	30
1,2-Dibromoethane	50.0	50.8		ug/L		102	70 - 130	2	30
Dibromomethane	50.0	53.8		ug/L		108	70 - 130	3	30
1,2-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130	2	30
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	45.6		ug/L		91	67 - 120	5	30
1,1-Dichloroethane	50.0	55.5		ug/L		111	70 - 130	2	30
1,2-Dichloroethane	50.0	56.6		ug/L		113	70 - 130	2	50
cis-1,2-Dichloroethene	50.0	55.6		ug/L		111	70 - 130	3	30
trans-1,2-Dichloroethene	50.0	54.4		ug/L		109	70 - 130	3	30
1,1-Dichloroethene	50.0	59.4		ug/L		119	70 - 130	5	20
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130	0	20
1,3-Dichloropropane	50.0	52.8		ug/L		106	70 - 130	1	20
cis-1,3-Dichloropropene	50.0	51.0		ug/L		102	70 - 130	2	20
trans-1,3-Dichloropropene	50.0	53.8		ug/L		108	70 - 130	2	30
Ethylbenzene	50.0	53.8		ug/L		108	70 - 130	3	20
2-Hexanone	250	240		ug/L		96	70 - 130	0	20
Iodomethane	50.0	29.9		ug/L		60	52 - 129	8	30
Methylene Chloride	50.0	60.5		ug/L		121	70 - 130	3	30
4-Methyl-2-pentanone (MIBK)	250	248		ug/L		99	68 - 120	0	30
Methyl tert-butyl ether	50.0	46.5		ug/L		93	70 - 130	3	30
Styrene	50.0	52.4		ug/L		105	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	45.3		ug/L		91	70 - 130	0	30
1,1,2,2-Tetrachloroethane	50.0	47.7		ug/L		95	70 - 130	6	30
Tetrachloroethylene	50.0	42.5		ug/L		85	70 - 130	2	30
Toluene	50.0	54.2		ug/L		108	70 - 130	0	30
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	70 - 130	3	30
1,1,2-Trichloroethane	50.0	50.9		ug/L		102	70 - 130	0	30
Trichloroethene	50.0	48.7		ug/L		97	70 - 130	7	30
Trichlorofluoromethane	50.0	69.4	E	ug/L		139	63 - 142	14	30
1,2,3-Trichloropropane	50.0	48.4		ug/L		97	70 - 130	2	30
Vinyl acetate	100	29.8	*- *1	ug/L		30	67 - 135	40	30
Vinyl chloride	50.0	49.2		ug/L		98	66 - 129	4	30
Xylenes, Total	100	108		ug/L		108	70 - 130	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	110		60 - 124
Dibromofluoromethane (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: 680-215923-4 MS

Matrix: Water

Analysis Batch: 723828

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	3.7	U *	250	244		ug/L		98	67 - 120
Acrylonitrile	5.5	U	500	482		ug/L		96	70 - 130
Benzene	0.27	U	50.0	54.1		ug/L		108	70 - 130
Bromochloromethane	0.34	U	50.0	44.8		ug/L		90	70 - 130
Bromodichloromethane	0.25	U	50.0	47.3		ug/L		95	70 - 130
Bromoform	0.59	U	50.0	38.5		ug/L		77	69 - 129
Bromomethane	3.7	U	50.0	78.6		ug/L		157	28 - 192
2-Butanone (MEK)	6.4	U	250	239		ug/L		96	69 - 120
Carbon disulfide	0.43	U	50.0	52.4		ug/L		105	70 - 130
Carbon tetrachloride	0.30	U	50.0	47.5		ug/L		95	70 - 130
Chlorobenzene	0.37	J	50.0	47.0		ug/L		93	70 - 130
Chloroethane	4.6	U *+ F1	50.0	117	F1	ug/L		233	31 - 213
Chloroform	0.27	U	50.0	50.1		ug/L		100	70 - 130
Chloromethane	0.54	U	50.0	42.4		ug/L		85	59 - 127
Dibromochloromethane	0.39	U	50.0	44.3		ug/L		89	70 - 130
1,2-Dibromo-3-Chloropropane	1.8	U	50.0	43.4		ug/L		87	70 - 130
1,2-Dibromoethane	0.33	U	50.0	48.9		ug/L		98	70 - 130
Dibromomethane	0.34	U	50.0	47.4		ug/L		95	70 - 130
1,2-Dichlorobenzene	0.31	U	50.0	50.1		ug/L		100	70 - 130
1,4-Dichlorobenzene	0.31	U	50.0	51.5		ug/L		103	70 - 130
trans-1,4-Dichloro-2-butene	1.3	U	50.0	43.6		ug/L		87	67 - 120
1,1-Dichloroethane	0.33	U	50.0	50.7		ug/L		101	70 - 130
1,2-Dichloroethane	0.25	U	50.0	51.2		ug/L		102	70 - 130
cis-1,2-Dichloroethene	3.3		50.0	51.7		ug/L		97	70 - 130
trans-1,2-Dichloroethene	0.43	J	50.0	49.4		ug/L		98	70 - 130
1,1-Dichloroethene	0.33	U	50.0	54.9		ug/L		110	70 - 130
1,2-Dichloropropane	0.22	U	50.0	49.1		ug/L		98	70 - 130
1,3-Dichloropropane	0.36	U	50.0	51.9		ug/L		104	70 - 130
cis-1,3-Dichloropropene	0.26	U	50.0	47.9		ug/L		96	70 - 130
trans-1,3-Dichloropropene	0.23	U	50.0	51.3		ug/L		103	70 - 130
Ethylbenzene	0.20	U	50.0	53.8		ug/L		108	70 - 130
2-Hexanone	3.2	U	250	247		ug/L		99	70 - 130
Iodomethane	3.9	U F1	50.0	22.7	F1	ug/L		45	52 - 129
Methylene Chloride	3.2	U	50.0	52.0		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	2.7	U	250	263		ug/L		105	68 - 120
Methyl tert-butyl ether	0.81	U	50.0	47.7		ug/L		95	70 - 130
Styrene	0.27	U	50.0	51.2		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	0.36	U	50.0	48.4		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	0.40	U	50.0	55.3		ug/L		111	70 - 130
Tetrachloroethylene	0.35	U	50.0	41.7		ug/L		83	70 - 130
Toluene	0.25	U	50.0	53.2		ug/L		106	70 - 130
1,1,1-Trichloroethane	0.21	U	50.0	49.7		ug/L		99	70 - 130
1,1,2-Trichloroethane	0.32	U	50.0	51.5		ug/L		103	70 - 130
Trichloroethene	6.0		50.0	51.1		ug/L		90	70 - 130
Trichlorofluoromethane	0.33	U	50.0	48.4		ug/L		97	63 - 142
1,2,3-Trichloropropane	0.48	U	50.0	50.5		ug/L		101	70 - 130
Vinyl acetate	0.69	U *- *1 F1	100	48.8	F1	ug/L		49	67 - 135
Vinyl chloride	2.7		50.0	48.0		ug/L		91	66 - 129

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: 680-215923-4 MS

Matrix: Water

Analysis Batch: 723828

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	0.23	U	100	105		ug/L		105	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		60 - 124
Dibromofluoromethane (Surr)	91		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 680-215923-4 MSD

Matrix: Water

Analysis Batch: 723828

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone	3.7	U *	250	233		ug/L		93	67 - 120	5	30
Acrylonitrile	5.5	U	500	456		ug/L		91	70 - 130	6	30
Benzene	0.27	U	50.0	53.0		ug/L		106	70 - 130	2	30
Bromochloromethane	0.34	U	50.0	42.6		ug/L		85	70 - 130	5	30
Bromodichloromethane	0.25	U	50.0	46.1		ug/L		92	70 - 130	3	30
Bromoform	0.59	U	50.0	39.2		ug/L		78	69 - 129	2	30
Bromomethane	3.7	U	50.0	78.7		ug/L		157	28 - 192	0	30
2-Butanone (MEK)	6.4	U	250	246		ug/L		98	69 - 120	3	30
Carbon disulfide	0.43	U	50.0	49.7		ug/L		99	70 - 130	5	30
Carbon tetrachloride	0.30	U	50.0	45.9		ug/L		92	70 - 130	3	30
Chlorobenzene	0.37	J	50.0	47.0		ug/L		93	70 - 130	0	30
Chloroethane	4.6	U *+ F1	50.0	98.8		ug/L		198	31 - 213	16	30
Chloroform	0.27	U	50.0	47.8		ug/L		96	70 - 130	5	30
Chloromethane	0.54	U	50.0	41.8		ug/L		84	59 - 127	2	30
Dibromochloromethane	0.39	U	50.0	43.8		ug/L		88	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	1.8	U	50.0	43.8		ug/L		88	70 - 130	1	30
1,2-Dibromoethane	0.33	U	50.0	47.8		ug/L		96	70 - 130	2	30
Dibromomethane	0.34	U	50.0	44.5		ug/L		89	70 - 130	6	30
1,2-Dichlorobenzene	0.31	U	50.0	50.3		ug/L		101	70 - 130	0	30
1,4-Dichlorobenzene	0.31	U	50.0	51.6		ug/L		103	70 - 130	0	30
trans-1,4-Dichloro-2-butene	1.3	U	50.0	43.0		ug/L		86	67 - 120	1	30
1,1-Dichloroethane	0.33	U	50.0	47.0		ug/L		94	70 - 130	7	30
1,2-Dichloroethane	0.25	U	50.0	48.0		ug/L		96	70 - 130	6	50
cis-1,2-Dichloroethene	3.3		50.0	48.9		ug/L		91	70 - 130	6	30
trans-1,2-Dichloroethene	0.43	J	50.0	46.6		ug/L		92	70 - 130	6	30
1,1-Dichloroethene	0.33	U	50.0	52.0		ug/L		104	70 - 130	5	20
1,2-Dichloropropane	0.22	U	50.0	47.5		ug/L		95	70 - 130	3	20
1,3-Dichloropropane	0.36	U	50.0	50.2		ug/L		100	70 - 130	3	20
cis-1,3-Dichloropropene	0.26	U	50.0	46.8		ug/L		94	70 - 130	2	20
trans-1,3-Dichloropropene	0.23	U	50.0	48.8		ug/L		98	70 - 130	5	30
Ethylbenzene	0.20	U	50.0	53.2		ug/L		106	70 - 130	1	20
2-Hexanone	3.2	U	250	247		ug/L		99	70 - 130	0	20
Iodomethane	3.9	U F1	50.0	29.9		ug/L		60	52 - 129	27	30
Methylene Chloride	3.2	U	50.0	49.2		ug/L		98	70 - 130	6	30
4-Methyl-2-pentanone (MIBK)	2.7	U	250	260		ug/L		104	68 - 120	1	30

Eurofins Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: 680-215923-4 MSD

Matrix: Water

Analysis Batch: 723828

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.81	U	50.0	49.6		ug/L		99	70 - 130	4	30
Styrene	0.27	U	50.0	50.0		ug/L		100	70 - 130	2	30
1,1,1,2-Tetrachloroethane	0.36	U	50.0	50.4		ug/L		101	70 - 130	4	30
1,1,2,2-Tetrachloroethane	0.40	U	50.0	53.6		ug/L		107	70 - 130	3	30
Tetrachloroethylene	0.35	U	50.0	42.3		ug/L		85	70 - 130	1	30
Toluene	0.25	U	50.0	51.5		ug/L		103	70 - 130	3	30
1,1,1-Trichloroethane	0.21	U	50.0	47.8		ug/L		96	70 - 130	4	30
1,1,2-Trichloroethane	0.32	U	50.0	49.7		ug/L		99	70 - 130	3	30
Trichloroethene	6.0		50.0	51.0		ug/L		90	70 - 130	0	30
Trichlorofluoromethane	0.33	U	50.0	44.8		ug/L		90	63 - 142	8	30
1,2,3-Trichloropropane	0.48	U	50.0	50.0		ug/L		100	70 - 130	1	30
Vinyl acetate	0.69	U *- *1 F1	100	49.9	F1	ug/L		50	67 - 135	2	30
Vinyl chloride	2.7		50.0	46.7		ug/L		88	66 - 129	3	30
Xylenes, Total	0.23	U	100	103		ug/L		103	70 - 130	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		60 - 124
Dibromofluoromethane (Surr)	85		70 - 130
4-Bromofluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 680-724027/10

Matrix: Water

Analysis Batch: 724027

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			06/03/22 14:19	1
Acrylonitrile	5.5	U	20	5.5	ug/L			06/03/22 14:19	1
Benzene	0.27	U	1.0	0.27	ug/L			06/03/22 14:19	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			06/03/22 14:19	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			06/03/22 14:19	1
Bromoform	0.59	U	1.0	0.59	ug/L			06/03/22 14:19	1
Bromomethane	3.7	U	5.0	3.7	ug/L			06/03/22 14:19	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			06/03/22 14:19	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			06/03/22 14:19	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			06/03/22 14:19	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			06/03/22 14:19	1
Chloroethane	4.6	U	5.0	4.6	ug/L			06/03/22 14:19	1
Chloroform	0.27	U	1.0	0.27	ug/L			06/03/22 14:19	1
Chloromethane	0.54	U	1.0	0.54	ug/L			06/03/22 14:19	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			06/03/22 14:19	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			06/03/22 14:19	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			06/03/22 14:19	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			06/03/22 14:19	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/03/22 14:19	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			06/03/22 14:19	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			06/03/22 14:19	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			06/03/22 14:19	1

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: MB 680-724027/10

Matrix: Water

Analysis Batch: 724027

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			06/03/22 14:19	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			06/03/22 14:19	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			06/03/22 14:19	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			06/03/22 14:19	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			06/03/22 14:19	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			06/03/22 14:19	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			06/03/22 14:19	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			06/03/22 14:19	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			06/03/22 14:19	1
2-Hexanone	3.2	U	10	3.2	ug/L			06/03/22 14:19	1
Iodomethane	3.9	U	10	3.9	ug/L			06/03/22 14:19	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			06/03/22 14:19	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			06/03/22 14:19	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			06/03/22 14:19	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/22 14:19	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			06/03/22 14:19	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			06/03/22 14:19	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			06/03/22 14:19	1
Toluene	0.25	U	1.0	0.25	ug/L			06/03/22 14:19	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			06/03/22 14:19	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			06/03/22 14:19	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			06/03/22 14:19	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			06/03/22 14:19	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			06/03/22 14:19	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			06/03/22 14:19	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			06/03/22 14:19	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/22 14:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		06/03/22 14:19	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 124		06/03/22 14:19	1
Dibromofluoromethane (Surr)	106		70 - 130		06/03/22 14:19	1
4-Bromofluorobenzene (Surr)	91		70 - 130		06/03/22 14:19	1

Lab Sample ID: LCS 680-724027/5

Matrix: Water

Analysis Batch: 724027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	250	283		ug/L		113	67 - 120
Acrylonitrile	500	522		ug/L		104	70 - 130
Benzene	50.0	48.0		ug/L		96	70 - 130
Bromochloromethane	50.0	46.9		ug/L		94	70 - 130
Bromodichloromethane	50.0	48.2		ug/L		96	70 - 130
Bromoform	50.0	60.1		ug/L		120	69 - 129
Bromomethane	50.0	44.9		ug/L		90	28 - 192
2-Butanone (MEK)	250	257		ug/L		103	69 - 120
Carbon disulfide	50.0	46.6		ug/L		93	70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCS 680-724027/5

Matrix: Water

Analysis Batch: 724027

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon tetrachloride	50.0	47.4		ug/L		95	70 - 130
Chlorobenzene	50.0	50.2		ug/L		100	70 - 130
Chloroethane	50.0	51.9		ug/L		104	31 - 213
Chloroform	50.0	48.2		ug/L		96	70 - 130
Chloromethane	50.0	41.3		ug/L		83	59 - 127
Dibromochloromethane	50.0	51.8		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	55.1		ug/L		110	70 - 130
1,2-Dibromoethane	50.0	56.2		ug/L		112	70 - 130
Dibromomethane	50.0	50.6		ug/L		101	70 - 130
1,2-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	49.2		ug/L		98	70 - 130
trans-1,4-Dichloro-2-butene	50.0	53.1		ug/L		106	67 - 120
1,1-Dichloroethane	50.0	46.3		ug/L		93	70 - 130
1,2-Dichloroethane	50.0	50.2		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	47.2		ug/L		94	70 - 130
trans-1,2-Dichloroethene	50.0	47.3		ug/L		95	70 - 130
1,1-Dichloroethene	50.0	46.4		ug/L		93	70 - 130
1,2-Dichloropropane	50.0	49.8		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	53.0		ug/L		106	70 - 130
cis-1,3-Dichloropropene	50.0	50.3		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	70 - 130
Ethylbenzene	50.0	48.4		ug/L		97	70 - 130
2-Hexanone	250	293		ug/L		117	70 - 130
Iodomethane	50.0	33.8		ug/L		68	52 - 129
Methylene Chloride	50.0	49.1		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	250	296		ug/L		118	68 - 120
Methyl tert-butyl ether	50.0	53.5		ug/L		107	70 - 130
Styrene	50.0	49.4		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	50.0	54.4		ug/L		109	70 - 130
1,1,2,2-Tetrachloroethane	50.0	56.9		ug/L		114	70 - 130
Tetrachloroethylene	50.0	54.0		ug/L		108	70 - 130
Toluene	50.0	50.4		ug/L		101	70 - 130
1,1,1-Trichloroethane	50.0	46.0		ug/L		92	70 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130
Trichloroethene	50.0	53.7		ug/L		107	70 - 130
Trichlorofluoromethane	50.0	48.5		ug/L		97	63 - 142
1,2,3-Trichloropropane	50.0	60.3		ug/L		121	70 - 130
Vinyl acetate	100	58.6	*	ug/L		59	67 - 135
Vinyl chloride	50.0	44.6		ug/L		89	66 - 129
Xylenes, Total	100	96.2		ug/L		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		60 - 124
Dibromofluoromethane (Surr)	103		70 - 130
4-Bromofluorobenzene (Surr)	92		70 - 130

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-724027/6

Matrix: Water

Analysis Batch: 724027

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
Acetone	250	278		ug/L		111	67 - 120	2	30
Acrylonitrile	500	504		ug/L		101	70 - 130	3	30
Benzene	50.0	48.9		ug/L		98	70 - 130	2	30
Bromochloromethane	50.0	47.9		ug/L		96	70 - 130	2	30
Bromodichloromethane	50.0	47.2		ug/L		94	70 - 130	2	30
Bromoform	50.0	57.0		ug/L		114	69 - 129	5	30
Bromomethane	50.0	43.5		ug/L		87	28 - 192	3	30
2-Butanone (MEK)	250	252		ug/L		101	69 - 120	2	30
Carbon disulfide	50.0	46.4		ug/L		93	70 - 130	0	30
Carbon tetrachloride	50.0	47.2		ug/L		94	70 - 130	0	30
Chlorobenzene	50.0	49.3		ug/L		99	70 - 130	2	30
Chloroethane	50.0	51.1		ug/L		102	31 - 213	2	30
Chloroform	50.0	48.4		ug/L		97	70 - 130	0	30
Chloromethane	50.0	39.9		ug/L		80	59 - 127	3	30
Dibromochloromethane	50.0	52.7		ug/L		105	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	55.7		ug/L		111	70 - 130	1	30
1,2-Dibromoethane	50.0	55.7		ug/L		111	70 - 130	1	30
Dibromomethane	50.0	50.7		ug/L		101	70 - 130	0	30
1,2-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130	1	30
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	50.6		ug/L		101	67 - 120	5	30
1,1-Dichloroethane	50.0	46.3		ug/L		93	70 - 130	0	30
1,2-Dichloroethane	50.0	49.4		ug/L		99	70 - 130	2	50
cis-1,2-Dichloroethene	50.0	47.3		ug/L		95	70 - 130	0	30
trans-1,2-Dichloroethene	50.0	47.7		ug/L		95	70 - 130	1	30
1,1-Dichloroethene	50.0	47.3		ug/L		95	70 - 130	2	20
1,2-Dichloropropane	50.0	49.1		ug/L		98	70 - 130	2	20
1,3-Dichloropropane	50.0	52.7		ug/L		105	70 - 130	1	20
cis-1,3-Dichloropropene	50.0	50.5		ug/L		101	70 - 130	0	20
trans-1,3-Dichloropropene	50.0	51.9		ug/L		104	70 - 130	1	30
Ethylbenzene	50.0	48.0		ug/L		96	70 - 130	1	20
2-Hexanone	250	293		ug/L		117	70 - 130	0	20
Iodomethane	50.0	34.5		ug/L		69	52 - 129	2	30
Methylene Chloride	50.0	48.8		ug/L		98	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	298		ug/L		119	68 - 120	1	30
Methyl tert-butyl ether	50.0	52.4		ug/L		105	70 - 130	2	30
Styrene	50.0	47.3		ug/L		95	70 - 130	4	30
1,1,1,2-Tetrachloroethane	50.0	52.9		ug/L		106	70 - 130	3	30
1,1,2,2-Tetrachloroethane	50.0	55.1		ug/L		110	70 - 130	3	30
Tetrachloroethylene	50.0	54.1		ug/L		108	70 - 130	0	30
Toluene	50.0	51.3		ug/L		103	70 - 130	2	30
1,1,1-Trichloroethane	50.0	46.7		ug/L		93	70 - 130	2	30
1,1,2-Trichloroethane	50.0	52.8		ug/L		106	70 - 130	2	30
Trichloroethene	50.0	55.5		ug/L		111	70 - 130	3	30
Trichlorofluoromethane	50.0	48.6		ug/L		97	63 - 142	0	30
1,2,3-Trichloropropane	50.0	56.3		ug/L		113	70 - 130	7	30
Vinyl acetate	100	58.8	*	ug/L		59	67 - 135	0	30
Vinyl chloride	50.0	45.0		ug/L		90	66 - 129	1	30

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QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

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

Lab Sample ID: LCSD 680-724027/6

Matrix: Water

Analysis Batch: 724027

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
Xylenes, Total	100	92.4		ug/L		92	70 - 130	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		60 - 124
Dibromofluoromethane (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	94		70 - 130

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-722845/8

Matrix: Water

Analysis Batch: 722845

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.30	U	1.1	0.30	ug/L			05/26/22 12:31	1
Ethene	0.31	U	1.0	0.31	ug/L			05/26/22 12:31	1
Methane	0.57	U	0.58	0.57	ug/L			05/26/22 12:31	1

Lab Sample ID: LCS 680-722845/3

Matrix: Water

Analysis Batch: 722845

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methane (TCD)	1920	1860		ug/L		97	75 - 125

Lab Sample ID: LCS 680-722845/6

Matrix: Water

Analysis Batch: 722845

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethane	361	340		ug/L		94	75 - 125
Ethene	337	308		ug/L		92	75 - 125
Methane	192	179		ug/L		93	75 - 125

Lab Sample ID: LCSD 680-722845/4

Matrix: Water

Analysis Batch: 722845

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
Methane (TCD)	1920	1710		ug/L		89	75 - 125	8	30

Lab Sample ID: LCSD 680-722845/7

Matrix: Water

Analysis Batch: 722845

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
Ethane	361	337		ug/L		94	75 - 125	1	30
Ethene	337	304		ug/L		90	75 - 125	1	30
Methane	192	176		ug/L		92	75 - 125	1	30

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QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

GC/MS VOA

Analysis Batch: 723618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-3	OLF-G26	Total/NA	Water	8260D	
MB 680-723618/9	Method Blank	Total/NA	Water	8260D	
LCS 680-723618/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723618/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-6	OLF-G49	Total/NA	Water	8260D	
680-215923-7	OLF-G50	Total/NA	Water	8260D	
680-215923-8	OLF-G51	Total/NA	Water	8260D	
680-215923-9	OLF-G52	Total/NA	Water	8260D	
680-215923-10	OLF-G70	Total/NA	Water	8260D	
680-215923-15	PPMP-229-G12	Total/NA	Water	8260D	
680-215923-16	DUP396	Total/NA	Water	8260D	
MB 680-723636/9	Method Blank	Total/NA	Water	8260D	
LCS 680-723636/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723636/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-5	OLF-G43	Total/NA	Water	8260D	
MB 680-723650/10	Method Blank	Total/NA	Water	8260D	
LCS 680-723650/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723650/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-1	OLF-G07	Total/NA	Water	8260D	
680-215923-2	OLF-G20	Total/NA	Water	8260D	
680-215923-11	OLF-G75 Screen 3	Total/NA	Water	8260D	
680-215923-12	OLF-G75 Screen 5	Total/NA	Water	8260D	
680-215923-13	OLF-G77	Total/NA	Water	8260D	
680-215923-14	OLF-G78	Total/NA	Water	8260D	
MB 680-723809/9	Method Blank	Total/NA	Water	8260D	
LCS 680-723809/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723809/5	Lab Control Sample Dup	Total/NA	Water	8260D	
680-215923-1 MS	OLF-G07	Total/NA	Water	8260D	
680-215923-1 MSD	OLF-G07	Total/NA	Water	8260D	

Analysis Batch: 723818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-17	DUP397	Total/NA	Water	8260D	
MB 680-723818/10	Method Blank	Total/NA	Water	8260D	
LCS 680-723818/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723818/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 723828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-4	OLF-G42	Total/NA	Water	8260D	
680-215923-18	EB143	Total/NA	Water	8260D	
680-215923-19	MB112	Total/NA	Water	8260D	

Eurofins Savannah

QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

GC/MS VOA (Continued)

Analysis Batch: 723828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-20	TB600	Total/NA	Water	8260D	
MB 680-723828/9	Method Blank	Total/NA	Water	8260D	
LCS 680-723828/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-723828/5	Lab Control Sample Dup	Total/NA	Water	8260D	
680-215923-4 MS	OLF-G42	Total/NA	Water	8260D	
680-215923-4 MSD	OLF-G42	Total/NA	Water	8260D	

Analysis Batch: 724027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-13 - DL	OLF-G77	Total/NA	Water	8260D	
680-215923-14	OLF-G78	Total/NA	Water	8260D	
MB 680-724027/10	Method Blank	Total/NA	Water	8260D	
LCS 680-724027/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-724027/6	Lab Control Sample Dup	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 722845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-215923-13	OLF-G77	Total/NA	Water	RSK-175	
680-215923-18	EB143	Total/NA	Water	RSK-175	
680-215923-19	MB112	Total/NA	Water	RSK-175	
MB 680-722845/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-722845/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-722845/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-722845/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-722845/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G07

Lab Sample ID: 680-215923-1

Date Collected: 05/20/22 13:15

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723809	06/02/22 19:22	SMP	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G20

Lab Sample ID: 680-215923-2

Date Collected: 05/20/22 12:10

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723809	06/02/22 19:46	SMP	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G26

Lab Sample ID: 680-215923-3

Date Collected: 05/19/22 08:10

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723618	06/01/22 18:41	P1C	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G42

Lab Sample ID: 680-215923-4

Date Collected: 05/20/22 08:15

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723828	06/02/22 15:45	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G43

Lab Sample ID: 680-215923-5

Date Collected: 05/19/22 16:05

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723650	06/01/22 22:18	Y1S	TAL SAV
Instrument ID: CMSU										

Client Sample ID: OLF-G49

Lab Sample ID: 680-215923-6

Date Collected: 05/19/22 10:45

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723636	06/01/22 20:40	Y1S	TAL SAV
Instrument ID: CMSC										

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-215923-7

Date Collected: 05/19/22 11:50

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723636	06/01/22 20:59	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G51

Lab Sample ID: 680-215923-8

Date Collected: 05/19/22 09:40

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723636	06/01/22 21:19	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G52

Lab Sample ID: 680-215923-9

Date Collected: 05/19/22 14:45

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723636	06/01/22 21:38	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G70

Lab Sample ID: 680-215923-10

Date Collected: 05/19/22 13:00

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723636	06/01/22 21:57	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-215923-11

Date Collected: 05/20/22 11:00

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723809	06/02/22 20:09	SMP	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-215923-12

Date Collected: 05/20/22 09:45

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723809	06/02/22 20:33	SMP	TAL SAV
Instrument ID: CMSAB										

Eurofins Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-215923-13

Date Collected: 05/20/22 14:40

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	20	5 mL	5 mL	724027	06/03/22 17:57	P1C	TAL SAV
Instrument ID: CMSAA										
Total/NA	Analysis	8260D		1	5 mL	5 mL	723809	06/02/22 20:56	SMP	TAL SAV
Instrument ID: CMSAB										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722845	05/26/22 17:31	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G78

Lab Sample ID: 680-215923-14

Date Collected: 05/20/22 15:50

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	724027	06/03/22 15:36	P1C	TAL SAV
Instrument ID: CMSAA										
Total/NA	Analysis	8260D		1	5 mL	5 mL	723809	06/02/22 21:19	SMP	TAL SAV
Instrument ID: CMSAB										

Client Sample ID: PPMP-229-G12

Lab Sample ID: 680-215923-15

Date Collected: 05/19/22 17:15

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723636	06/01/22 22:16	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: DUP396

Lab Sample ID: 680-215923-16

Date Collected: 05/19/22 00:00

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723636	06/01/22 22:35	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: DUP397

Lab Sample ID: 680-215923-17

Date Collected: 05/19/22 00:00

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723818	06/02/22 16:18	UI	TAL SAV
Instrument ID: CMSB										

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Client Sample ID: EB143

Lab Sample ID: 680-215923-18

Date Collected: 05/23/22 10:45

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723828	06/02/22 14:28	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722845	05/26/22 17:44	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: MB112

Lab Sample ID: 680-215923-19

Date Collected: 05/23/22 10:30

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723828	06/02/22 14:48	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	722845	05/26/22 17:57	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: TB600

Lab Sample ID: 680-215923-20

Date Collected: 05/23/22 11:00

Matrix: Water

Date Received: 05/24/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	723828	06/02/22 15:07	Y1S	TAL SAV
		Instrument ID: CMSC								

Laboratory References:

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-22

1

2

3

4

5

6

7

8

9

10

11

12

Method Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-215923-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
5030C	Purge and Trap	SW846	TAL SAV

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175,
Rev. 0, 8/11/94, USEPA Research Lab
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory Eurofins
 Lab Contact Noel Savoie and Beth Daughtry
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2
 Lab contract: 21.094.22-05.2.500

COC Number 6625
 Cooler ID 1 of 1
 Page 1 of 1

Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD	Date Collected	Sample Time	Analysis				
								SW8260D - VOC	RSK-175 - M,E,F	SW9060A - TOC	3 - 40 mL amber vials, H2SO4	
OLF-G07	NS	MW	Water	BP	X	5/20/2022	1315	X				
OLF-G20	NS	MW	Water	BP		5/20/2022	1210	X				
OLF-G26	NS	MW	Water	BP		5/19/2022	0810	X				
OLF-G42	NS	MW	Water	BP	X	5/20/2022	0815	X				
OLF-G43	NS	MW	Water	BP		5/19/2022	1605	X				
OLF-G49	NS	MW	Water	BP		5/19/2022	1045	X				
OLF-G50	NS	MW	Water	BP		5/19/2022	1150	X				
OLF-G51	NS	MW	Water	BP		5/19/2022	0940	X				
OLF-G52	NS	MW	Water	BP		5/19/2022	1445	X				
OLF-G70	NS	MW	Water	BP		5/19/2022	1300	X				
OLF-G75 Screen 3	NS	MW	Water	BP		5/20/2022	1100	X				
OLF-G75 Screen 5	NS	MW	Water	BP		5/20/2022	0945	X				
OLF-G77	NS	MW	Water	BP		5/20/2022	1440	X				
OLF-G78	NS	MW	Water	BP		5/20/2022	1550	X				
PPMP-229-G12	NS	MW	Water	BP		5/19/2022	1715	X				
DUP396	FD	MW	Water	BP		5/19/2022	N/A	X				
DUP397	FD	MW	Water	BP		5/19/2022	N/A	X				
EB143	EB	EB	Water	Grab		5/23/2022	1045	X				
MB112	MB	MB	Water	Grab		5/23/2022	1030	X				
TB600	TB	TB	Water	Grab		5/23/2022	1100	X				X



680-215923 Chain of Custody

NOTES:

QC Code NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
 Station Type MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
 Sampling Methods B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt
 See Task Order 093 for required list of VOCs and metals

COMMENTS:

Relinquished by (Signature)

[Signature]

Date/Time

5/23/2022
1500

Received by (Signature)

[Signature]

5/24 1030

Relinquished by (Signature)

[Signature]

Date/Time

5/24 1030

Received by (Signature)

[Signature]

5/24 1030

2.2/16



Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-215923-1

Login Number: 215923

List Source: Eurofins Savannah

List Number: 1

Creator: Hartley, Tyler

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

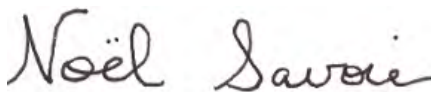
ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-207493-1
Client Project/Site: Parcel 80(6), Landfill 3

For:
Matrix Environmental Services, LLC
1601 Blake Street
Suite 200
Denver, Colorado 80202

Attn: Ms. Betty Van Pelt



Authorized for release by:
12/6/2021 4:05:12 PM

Noel Savoie, Project Manager I
(850)254-0107
Noel.Savoie@Eurofinset.com

LINKS

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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.

Definitions/Glossary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

Sample Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-207493-1	OLF-G72 Port 1	Water	11/11/21 10:00	11/13/21 09:20
680-207493-2	OLF-G72 Port 2	Water	11/11/21 10:30	11/13/21 09:20
680-207493-3	OLF-G72 Port 3	Water	11/11/21 10:50	11/13/21 09:20
680-207493-4	OLF-G72 Port 4	Water	11/11/21 11:15	11/13/21 09:20
680-207493-5	OLF-G72 Port 5	Water	11/11/21 11:35	11/13/21 09:20
680-207493-6	OLF-G72 Port 6	Water	11/11/21 12:00	11/13/21 09:20
680-207493-7	OLF-G71 Port 1	Water	11/10/21 14:50	11/13/21 09:20
680-207493-8	OLF-G71 Port 2	Water	11/10/21 15:05	11/13/21 09:20
680-207493-9	OLF-G71 Port 3	Water	11/10/21 15:20	11/13/21 09:20
680-207493-10	OLF-G71 Port 4	Water	11/10/21 15:40	11/13/21 09:20
680-207493-11	OLF-G71 Port 5	Water	11/10/21 15:50	11/13/21 09:20
680-207493-12	OLF-G74 Port 1	Water	11/10/21 11:00	11/13/21 09:20
680-207493-13	OLF-G74 Port 2	Water	11/10/21 11:20	11/13/21 09:20
680-207493-14	OLF-G74 Port 3	Water	11/10/21 11:35	11/13/21 09:20
680-207493-15	OLF-G74 Port 4	Water	11/10/21 11:55	11/13/21 09:20
680-207493-16	OLF-G74 Port 5	Water	11/10/21 12:20	11/13/21 09:20
680-207493-17	OLF-G73 Port 1	Water	11/12/21 10:10	11/13/21 09:20
680-207493-18	OLF-G73 Port 2	Water	11/12/21 10:30	11/13/21 09:20
680-207493-19	OLF-G73 Port 3	Water	11/12/21 10:50	11/13/21 09:20
680-207493-20	OLF-G73 Port 4	Water	11/12/21 11:10	11/13/21 09:20
680-207493-21	OLF-G73 Port 5	Water	11/12/21 11:30	11/13/21 09:20
680-207493-22	DUP 384	Water	11/10/21 00:00	11/13/21 09:20
680-207493-23	DUP 385	Water	11/11/21 00:00	11/13/21 09:20
680-207493-24	TB 584	Water	11/12/21 15:00	11/13/21 09:20

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Job ID: 680-207493-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-207493-1

Comments

No additional comments.

Receipt

The samples were received on 11/13/2021 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.5° C.

GC/MS VOA

Method 8260D: Reanalysis of the following samples were performed outside of the analytical holding time due to quality control parameters outside acceptance limits in the initial analysis: OLF-G72 Port 1 (680-207493-1), OLF-G72 Port 2 (680-207493-2), OLF-G72 Port 3 (680-207493-3), OLF-G72 Port 4 (680-207493-4), OLF-G72 Port 5 (680-207493-5), OLF-G72 Port 6 (680-207493-6) and DUP 385 (680-207493-23). The original analysis is reported as primary and the reanalysis is reported as secondary.

Method 8260D: Reanalysis of the following samples were performed outside of the analytical holding time due to QC outside limits : OLF-G72 Port 1 (680-207493-1), OLF-G72 Port 1 (680-207493-1[MS]), OLF-G72 Port 1 (680-207493-1[MSD]), OLF-G72 Port 2 (680-207493-2), OLF-G72 Port 3 (680-207493-3), OLF-G72 Port 4 (680-207493-4), OLF-G72 Port 5 (680-207493-5), OLF-G72 Port 6 (680-207493-6) and DUP 385 (680-207493-23).

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-557019 recovered outside acceptance criteria, low biased, for 1,2-Dichloroethane, Acrylonitrile, Iodomethane and trans-1,4-Dichloro-2-butene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-557165 recovered outside control limits for the following analytes: Acrylonitrile, Chloromethane, Bromochloromethane, Dichlorodifluoromethane, 4-Methyl-2-pentanone (MIBK) and 1,2-Dibromo-3-Chloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-557165 recovered above the upper control limit for 1,2,3-Trichloropropane, 1,2-Dibromo-3-Chloropropane, Acrylonitrile, Bromoform, Bromochloromethane, Chloromethane, Dichlorodifluoromethane, 4-Methyl-2-pentanone (MIBK), Methylene Chloride, Trichloroethene, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-557165 were outside advisory control limits for several analytes. These analytes were also biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-557168 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethane, 1,2-Dichloroethane, 1,2-Dichloropropane, Benzene, Carbon disulfide and Iodomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-557293 recovered above the upper control limit for 1,2-Dibromo-3-Chloropropane, 4-Methyl-2-pentanone (MIBK), Acrylonitrile, Bromoform, Bromochloromethane and Trichloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 400-557293 recovered outside acceptance criteria, low biased, for Bromomethane and Chloroethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The method blank for analytical batch 400-557293 contained 1,2,3-Trichlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Job ID: 680-207493-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Method 8260D: The following analytes recovered outside control limits for the LCS associated with analytical batch 400-557293: 4-Methyl-2-pentanone (MIBK), Bromochloromethane and Chloroethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-557293 were outside advisory control limits for several analytes. These analytes were also biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

GC Semi VOA

Method RSK-175: Due to the high concentration of Methane, the matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 680-695633 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

VOA Prep

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

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-207493-1

Date Collected: 11/11/21 10:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 16:56	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 16:56	1
Benzene	1.4		1.0	0.13	ug/L			11/24/21 16:56	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 16:56	1
Bromochloromethane	0.21	U F1 *+	1.0	0.21	ug/L			11/24/21 16:56	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 16:56	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 16:56	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 16:56	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 16:56	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 16:56	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 16:56	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 16:56	1
Chlorobenzene	79		1.0	0.15	ug/L			11/24/21 16:56	1
Chloroethane	8.1	*-	1.0	0.76	ug/L			11/24/21 16:56	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 16:56	1
Chloromethane	0.32	U F1	1.0	0.32	ug/L			11/24/21 16:56	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 16:56	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 16:56	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 16:56	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 16:56	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 16:56	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 16:56	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 16:56	1
1,4-Dichlorobenzene	0.95	J	1.0	0.64	ug/L			11/24/21 16:56	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 16:56	1
Dichlorodifluoromethane	0.85	U F1	1.0	0.85	ug/L			11/24/21 16:56	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
1,2-Dichloroethane	1.6		1.0	0.19	ug/L			11/24/21 16:56	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			11/24/21 16:56	1
trans-1,2-Dichloroethene	0.62	J	1.0	0.50	ug/L			11/24/21 16:56	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 16:56	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 16:56	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 16:56	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 16:56	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 16:56	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 16:56	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 16:56	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 16:56	1
4-Methyl-2-pentanone (MIBK)	1.8	U F1 *+	25	1.8	ug/L			11/24/21 16:56	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 16:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-207493-1

Date Collected: 11/11/21 10:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	2.7		1.0	1.0	ug/L			11/24/21 16:56	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 16:56	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 16:56	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 16:56	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 16:56	1
Toluene	1.5		1.0	0.41	ug/L			11/24/21 16:56	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 16:56	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 16:56	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 16:56	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 16:56	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/24/21 16:56	1
Trichlorofluoromethane	0.52	U F1	1.0	0.52	ug/L			11/24/21 16:56	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 16:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 16:56	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 16:56	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 16:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 16:56	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 16:56	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 16:56	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 16:56	1
Dibromofluoromethane	114		75 - 126		11/24/21 16:56	1
Toluene-d8 (Surr)	78		64 - 132		11/24/21 16:56	1
1,2-Dichloroethane-d4 (Surr)	110		67 - 134		11/24/21 16:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	3.9	H	1.0	0.76	ug/L			11/26/21 10:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 119		11/26/21 10:49	1
Dibromofluoromethane	103		75 - 126		11/26/21 10:49	1
Toluene-d8 (Surr)	98		64 - 132		11/26/21 10:49	1
1,2-Dichloroethane-d4 (Surr)	97		67 - 134		11/26/21 10:49	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	33		1.1	0.30	ug/L			11/19/21 14:47	1
Ethene	7.6		1.0	0.31	ug/L			11/19/21 14:47	1
Methane (TCD)	50000		7800	1200	ug/L			11/22/21 11:51	20

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-207493-2

Date Collected: 11/11/21 10:30

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 18:38	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 18:38	1
Benzene	1.5		1.0	0.13	ug/L			11/24/21 18:38	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 18:38	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 18:38	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 18:38	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 18:38	1
2-Butanone (MEK)	3.0	J	25	2.6	ug/L			11/24/21 18:38	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 18:38	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 18:38	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 18:38	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 18:38	1
Chlorobenzene	35		1.0	0.15	ug/L			11/24/21 18:38	1
Chloroethane	3.6	*-	1.0	0.76	ug/L			11/24/21 18:38	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 18:38	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 18:38	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 18:38	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 18:38	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 18:38	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 18:38	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 18:38	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 18:38	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 18:38	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 18:38	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 18:38	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 18:38	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
1,2-Dichloroethane	1.9		1.0	0.19	ug/L			11/24/21 18:38	1
cis-1,2-Dichloroethene	0.51	J	1.0	0.20	ug/L			11/24/21 18:38	1
trans-1,2-Dichloroethene	0.78	J	1.0	0.50	ug/L			11/24/21 18:38	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 18:38	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 18:38	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 18:38	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 18:38	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 18:38	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 18:38	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 18:38	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 18:38	1
4-Methyl-2-pentanone (MIBK)	1.8	U *+	25	1.8	ug/L			11/24/21 18:38	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 18:38	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-207493-2

Date Collected: 11/11/21 10:30

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.4		1.0	1.0	ug/L			11/24/21 18:38	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 18:38	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 18:38	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 18:38	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 18:38	1
Toluene	9.7		1.0	0.41	ug/L			11/24/21 18:38	1
1,2,3-Trichlorobenzene	0.97	J B	1.0	0.19	ug/L			11/24/21 18:38	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 18:38	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 18:38	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 18:38	1
Trichloroethene	0.30	J	1.0	0.15	ug/L			11/24/21 18:38	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 18:38	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 18:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 18:38	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 18:38	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 18:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 18:38	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 18:38	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 18:38	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119		11/24/21 18:38	1
Dibromofluoromethane	109		75 - 126		11/24/21 18:38	1
Toluene-d8 (Surr)	80		64 - 132		11/24/21 18:38	1
1,2-Dichloroethane-d4 (Surr)	103		67 - 134		11/24/21 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.5	H	1.0	0.76	ug/L			11/26/21 13:33	1
Trichloroethene	0.15	U H	1.0	0.15	ug/L			11/26/21 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 119		11/26/21 13:33	1
Dibromofluoromethane	104		75 - 126		11/26/21 13:33	1
Toluene-d8 (Surr)	99		64 - 132		11/26/21 13:33	1
1,2-Dichloroethane-d4 (Surr)	100		67 - 134		11/26/21 13:33	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	12		1.1	0.30	ug/L			11/19/21 13:17	1
Ethene	6.3		1.0	0.31	ug/L			11/19/21 13:17	1
Methane (TCD)	30000		390	59	ug/L			11/19/21 13:17	1

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-207493-3

Date Collected: 11/11/21 10:50

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 19:04	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 19:04	1
Benzene	1.7		1.0	0.13	ug/L			11/24/21 19:04	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 19:04	1
Bromochloromethane	0.21	U **	1.0	0.21	ug/L			11/24/21 19:04	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 19:04	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 19:04	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 19:04	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 19:04	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 19:04	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 19:04	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 19:04	1
Chlorobenzene	11		1.0	0.15	ug/L			11/24/21 19:04	1
Chloroethane	2.1	*-	1.0	0.76	ug/L			11/24/21 19:04	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 19:04	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 19:04	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 19:04	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 19:04	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 19:04	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 19:04	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 19:04	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 19:04	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 19:04	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 19:04	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 19:04	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 19:04	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
1,2-Dichloroethane	1.5		1.0	0.19	ug/L			11/24/21 19:04	1
cis-1,2-Dichloroethene	0.30	J	1.0	0.20	ug/L			11/24/21 19:04	1
trans-1,2-Dichloroethene	2.6		1.0	0.50	ug/L			11/24/21 19:04	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 19:04	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 19:04	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 19:04	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 19:04	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 19:04	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 19:04	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 19:04	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 19:04	1
4-Methyl-2-pentanone (MIBK)	1.8	U **	25	1.8	ug/L			11/24/21 19:04	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 19:04	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-207493-3

Date Collected: 11/11/21 10:50

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 19:04	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 19:04	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 19:04	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 19:04	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 19:04	1
Toluene	0.98	J	1.0	0.41	ug/L			11/24/21 19:04	1
1,2,3-Trichlorobenzene	0.47	J B	1.0	0.19	ug/L			11/24/21 19:04	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 19:04	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 19:04	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 19:04	1
Trichloroethene	0.72	J	1.0	0.15	ug/L			11/24/21 19:04	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 19:04	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 19:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 19:04	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 19:04	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 19:04	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 19:04	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 19:04	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 19:04	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119		11/24/21 19:04	1
Dibromofluoromethane	107		75 - 126		11/24/21 19:04	1
Toluene-d8 (Surr)	76		64 - 132		11/24/21 19:04	1
1,2-Dichloroethane-d4 (Surr)	104		67 - 134		11/24/21 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.4	H	1.0	0.76	ug/L			11/26/21 14:00	1
Trichloroethene	0.15	U H	1.0	0.15	ug/L			11/26/21 14:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 119		11/26/21 14:00	1
Dibromofluoromethane	104		75 - 126		11/26/21 14:00	1
Toluene-d8 (Surr)	99		64 - 132		11/26/21 14:00	1
1,2-Dichloroethane-d4 (Surr)	101		67 - 134		11/26/21 14:00	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	28		1.1	0.30	ug/L			11/19/21 13:30	1
Ethene	25		1.0	0.31	ug/L			11/19/21 13:30	1
Methane (TCD)	11000		390	59	ug/L			11/19/21 13:30	1

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-207493-4

Date Collected: 11/11/21 11:15

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 19:30	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 19:30	1
Benzene	0.66	J	1.0	0.13	ug/L			11/24/21 19:30	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 19:30	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 19:30	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 19:30	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 19:30	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 19:30	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 19:30	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 19:30	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 19:30	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 19:30	1
Chlorobenzene	6.4		1.0	0.15	ug/L			11/24/21 19:30	1
Chloroethane	1.7	*-	1.0	0.76	ug/L			11/24/21 19:30	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 19:30	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 19:30	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 19:30	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 19:30	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 19:30	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 19:30	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 19:30	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 19:30	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 19:30	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 19:30	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 19:30	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 19:30	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
1,2-Dichloroethane	1.0		1.0	0.19	ug/L			11/24/21 19:30	1
cis-1,2-Dichloroethene	0.31	J	1.0	0.20	ug/L			11/24/21 19:30	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 19:30	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 19:30	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 19:30	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 19:30	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 19:30	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 19:30	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 19:30	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 19:30	1
4-Methyl-2-pentanone (MIBK)	1.8	U *+	25	1.8	ug/L			11/24/21 19:30	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 19:30	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-207493-4

Date Collected: 11/11/21 11:15

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 19:30	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 19:30	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 19:30	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 19:30	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 19:30	1
Toluene	0.73	J	1.0	0.41	ug/L			11/24/21 19:30	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 19:30	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 19:30	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 19:30	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 19:30	1
Trichloroethene	0.23	J	1.0	0.15	ug/L			11/24/21 19:30	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 19:30	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 19:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 19:30	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 19:30	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 19:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 19:30	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 19:30	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 19:30	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119		11/24/21 19:30	1
Dibromofluoromethane	109		75 - 126		11/24/21 19:30	1
Toluene-d8 (Surr)	75		64 - 132		11/24/21 19:30	1
1,2-Dichloroethane-d4 (Surr)	107		67 - 134		11/24/21 19:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	1.4	H	1.0	0.76	ug/L			11/26/21 14:24	1
Trichloroethene	0.15	U H	1.0	0.15	ug/L			11/26/21 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/26/21 14:24	1
Dibromofluoromethane	103		75 - 126		11/26/21 14:24	1
Toluene-d8 (Surr)	97		64 - 132		11/26/21 14:24	1
1,2-Dichloroethane-d4 (Surr)	103		67 - 134		11/26/21 14:24	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.1		1.1	0.30	ug/L			11/19/21 13:42	1
Ethene	4.4		1.0	0.31	ug/L			11/19/21 13:42	1
Methane (TCD)	25000		390	59	ug/L			11/19/21 13:42	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-207493-5

Date Collected: 11/11/21 11:35

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 19:56	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 19:56	1
Benzene	1.1		1.0	0.13	ug/L			11/24/21 19:56	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 19:56	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 19:56	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 19:56	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 19:56	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 19:56	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 19:56	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 19:56	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 19:56	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 19:56	1
Chlorobenzene	0.80	J	1.0	0.15	ug/L			11/24/21 19:56	1
Chloroethane	0.76	U *-	1.0	0.76	ug/L			11/24/21 19:56	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 19:56	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 19:56	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 19:56	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 19:56	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 19:56	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 19:56	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 19:56	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 19:56	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 19:56	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 19:56	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 19:56	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 19:56	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 19:56	1
cis-1,2-Dichloroethene	3.0		1.0	0.20	ug/L			11/24/21 19:56	1
trans-1,2-Dichloroethene	1.4		1.0	0.50	ug/L			11/24/21 19:56	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 19:56	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 19:56	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 19:56	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 19:56	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 19:56	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 19:56	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 19:56	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 19:56	1
4-Methyl-2-pentanone (MIBK)	1.8	U *+	25	1.8	ug/L			11/24/21 19:56	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 19:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-207493-5

Date Collected: 11/11/21 11:35

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 19:56	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 19:56	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 19:56	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 19:56	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 19:56	1
Toluene	0.77	J	1.0	0.41	ug/L			11/24/21 19:56	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 19:56	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 19:56	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 19:56	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 19:56	1
Trichloroethene	11		1.0	0.15	ug/L			11/24/21 19:56	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 19:56	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 19:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 19:56	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 19:56	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 19:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 19:56	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 19:56	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 19:56	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		72 - 119		11/24/21 19:56	1
Dibromofluoromethane	112		75 - 126		11/24/21 19:56	1
Toluene-d8 (Surr)	78		64 - 132		11/24/21 19:56	1
1,2-Dichloroethane-d4 (Surr)	108		67 - 134		11/24/21 19:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	7.8	H	1.0	0.15	ug/L			11/26/21 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/26/21 14:47	1
Dibromofluoromethane	103		75 - 126		11/26/21 14:47	1
Toluene-d8 (Surr)	97		64 - 132		11/26/21 14:47	1
1,2-Dichloroethane-d4 (Surr)	100		67 - 134		11/26/21 14:47	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.2		1.1	0.30	ug/L			11/19/21 13:55	1
Ethene	7.0		1.0	0.31	ug/L			11/19/21 13:55	1
Methane (TCD)	6000		390	59	ug/L			11/19/21 13:55	1

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-207493-6

Date Collected: 11/11/21 12:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 20:23	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 20:23	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 20:23	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 20:23	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 20:23	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 20:23	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 20:23	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 20:23	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 20:23	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 20:23	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 20:23	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 20:23	1
Chlorobenzene	0.43	J	1.0	0.15	ug/L			11/24/21 20:23	1
Chloroethane	0.76	U *-	1.0	0.76	ug/L			11/24/21 20:23	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 20:23	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 20:23	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 20:23	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 20:23	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 20:23	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 20:23	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 20:23	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 20:23	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 20:23	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 20:23	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 20:23	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 20:23	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 20:23	1
cis-1,2-Dichloroethene	2.3		1.0	0.20	ug/L			11/24/21 20:23	1
trans-1,2-Dichloroethene	0.61	J	1.0	0.50	ug/L			11/24/21 20:23	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 20:23	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 20:23	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 20:23	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 20:23	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 20:23	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 20:23	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 20:23	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 20:23	1
4-Methyl-2-pentanone (MIBK)	1.8	U *+	25	1.8	ug/L			11/24/21 20:23	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 20:23	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-207493-6

Date Collected: 11/11/21 12:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 20:23	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 20:23	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 20:23	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 20:23	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 20:23	1
Toluene	1.0		1.0	0.41	ug/L			11/24/21 20:23	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 20:23	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 20:23	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 20:23	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 20:23	1
Trichloroethene	11		1.0	0.15	ug/L			11/24/21 20:23	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 20:23	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 20:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 20:23	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 20:23	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 20:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 20:23	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 20:23	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 20:23	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 20:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 20:23	1
Dibromofluoromethane	111		75 - 126		11/24/21 20:23	1
Toluene-d8 (Surr)	80		64 - 132		11/24/21 20:23	1
1,2-Dichloroethane-d4 (Surr)	108		67 - 134		11/24/21 20:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	8.3	H	1.0	0.15	ug/L			11/26/21 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		72 - 119		11/26/21 15:12	1
Dibromofluoromethane	104		75 - 126		11/26/21 15:12	1
Toluene-d8 (Surr)	99		64 - 132		11/26/21 15:12	1
1,2-Dichloroethane-d4 (Surr)	100		67 - 134		11/26/21 15:12	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	1.9		1.1	0.30	ug/L			11/19/21 14:08	1
Ethene	2.3		1.0	0.31	ug/L			11/19/21 14:08	1
Methane (TCD)	2400		390	59	ug/L			11/19/21 14:08	1

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-207493-7

Date Collected: 11/10/21 14:50

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 17:46	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 17:46	1
Benzene	0.80	J	1.0	0.13	ug/L			11/23/21 17:46	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 17:46	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 17:46	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 17:46	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 17:46	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 17:46	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 17:46	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 17:46	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 17:46	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 17:46	1
Chlorobenzene	5.8		1.0	0.15	ug/L			11/23/21 17:46	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 17:46	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 17:46	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 17:46	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 17:46	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 17:46	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 17:46	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 17:46	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 17:46	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 17:46	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 17:46	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 17:46	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 17:46	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 17:46	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
trans-1,2-Dichloroethene	15		1.0	0.50	ug/L			11/23/21 17:46	1
1,1-Dichloroethene	0.81	J	1.0	0.50	ug/L			11/23/21 17:46	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 17:46	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 17:46	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 17:46	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 17:46	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 17:46	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 17:46	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 17:46	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 17:46	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 17:46	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 17:46	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 17:46	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 17:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-207493-7

Date Collected: 11/10/21 14:50

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 17:46	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 17:46	1
1,1,2,2-Tetrachloroethane	1.4		1.0	0.50	ug/L			11/23/21 17:46	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 17:46	1
Toluene	0.77	J	1.0	0.41	ug/L			11/23/21 17:46	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 17:46	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 17:46	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 17:46	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 17:46	1
Trichloroethene	86		1.0	0.15	ug/L			11/23/21 17:46	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 17:46	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 17:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 17:46	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 17:46	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 17:46	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 17:46	1
Vinyl chloride	10		1.0	0.50	ug/L			11/23/21 17:46	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 17:46	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 17:46	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119		11/23/21 17:46	1
Dibromofluoromethane	103		75 - 126		11/23/21 17:46	1
Toluene-d8 (Surr)	99		64 - 132		11/23/21 17:46	1
1,2-Dichloroethane-d4 (Surr)	100		67 - 134		11/23/21 17:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	1.0		1.0	0.19	ug/L			11/24/21 09:41	1
cis-1,2-Dichloroethene	55		1.0	0.20	ug/L			11/24/21 09:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 09:41	1
Dibromofluoromethane	111		75 - 126		11/24/21 09:41	1
Toluene-d8 (Surr)	79		64 - 132		11/24/21 09:41	1
1,2-Dichloroethane-d4 (Surr)	109		67 - 134		11/24/21 09:41	1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-207493-8

Date Collected: 11/10/21 15:05

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 18:13	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 18:13	1
Benzene	0.56	J	1.0	0.13	ug/L			11/23/21 18:13	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 18:13	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 18:13	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 18:13	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-207493-8

Date Collected: 11/10/21 15:05

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 18:13	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 18:13	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 18:13	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 18:13	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 18:13	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 18:13	1
Chlorobenzene	1.6		1.0	0.15	ug/L			11/23/21 18:13	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 18:13	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 18:13	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 18:13	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 18:13	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 18:13	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 18:13	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 18:13	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 18:13	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 18:13	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 18:13	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 18:13	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 18:13	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 18:13	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
trans-1,2-Dichloroethene	2.7		1.0	0.50	ug/L			11/23/21 18:13	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 18:13	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 18:13	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 18:13	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 18:13	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 18:13	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 18:13	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 18:13	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 18:13	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 18:13	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 18:13	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 18:13	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 18:13	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 18:13	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 18:13	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 18:13	1
Toluene	0.92	J	1.0	0.41	ug/L			11/23/21 18:13	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 18:13	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 18:13	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-207493-8

Date Collected: 11/10/21 15:05

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 18:13	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 18:13	1
Trichloroethene	4.8		1.0	0.15	ug/L			11/23/21 18:13	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 18:13	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 18:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 18:13	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 18:13	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 18:13	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 18:13	1
Vinyl chloride	1.9		1.0	0.50	ug/L			11/23/21 18:13	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 18:13	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 18:13	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 18:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/23/21 18:13	1
Dibromofluoromethane	97		75 - 126		11/23/21 18:13	1
Toluene-d8 (Surr)	99		64 - 132		11/23/21 18:13	1
1,2-Dichloroethane-d4 (Surr)	100		67 - 134		11/23/21 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 10:05	1
cis-1,2-Dichloroethene	39		1.0	0.20	ug/L			11/24/21 10:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119		11/24/21 10:05	1
Dibromofluoromethane	118		75 - 126		11/24/21 10:05	1
Toluene-d8 (Surr)	73		64 - 132		11/24/21 10:05	1
1,2-Dichloroethane-d4 (Surr)	113		67 - 134		11/24/21 10:05	1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-207493-9

Date Collected: 11/10/21 15:20

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 18:41	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 18:41	1
Benzene	0.48	J	1.0	0.13	ug/L			11/23/21 18:41	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 18:41	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 18:41	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 18:41	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 18:41	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 18:41	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 18:41	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 18:41	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 18:41	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 18:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-207493-9

Date Collected: 11/10/21 15:20

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	1.7		1.0	0.15	ug/L			11/23/21 18:41	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 18:41	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 18:41	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 18:41	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 18:41	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 18:41	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 18:41	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 18:41	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 18:41	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 18:41	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 18:41	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 18:41	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 18:41	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 18:41	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/23/21 18:41	1
trans-1,2-Dichloroethene	2.7		1.0	0.50	ug/L			11/23/21 18:41	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 18:41	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 18:41	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 18:41	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 18:41	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 18:41	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 18:41	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 18:41	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 18:41	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 18:41	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 18:41	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 18:41	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 18:41	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 18:41	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 18:41	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 18:41	1
Toluene	0.63	J	1.0	0.41	ug/L			11/23/21 18:41	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 18:41	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 18:41	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 18:41	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 18:41	1
Trichloroethene	31		1.0	0.15	ug/L			11/23/21 18:41	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 18:41	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 18:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 18:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-207493-9

Date Collected: 11/10/21 15:20

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 18:41	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 18:41	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 18:41	1
Vinyl chloride	2.6		1.0	0.50	ug/L			11/23/21 18:41	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 18:41	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 18:41	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		72 - 119		11/23/21 18:41	1
Dibromofluoromethane	100		75 - 126		11/23/21 18:41	1
Toluene-d8 (Surr)	98		64 - 132		11/23/21 18:41	1
1,2-Dichloroethane-d4 (Surr)	98		67 - 134		11/23/21 18:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	17		1.0	0.20	ug/L			11/24/21 10:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 10:29	1
Dibromofluoromethane	112		75 - 126		11/24/21 10:29	1
Toluene-d8 (Surr)	80		64 - 132		11/24/21 10:29	1
1,2-Dichloroethane-d4 (Surr)	108		67 - 134		11/24/21 10:29	1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-207493-10

Date Collected: 11/10/21 15:40

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 19:08	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 19:08	1
Benzene	0.25	J	1.0	0.13	ug/L			11/23/21 19:08	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 19:08	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 19:08	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 19:08	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 19:08	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 19:08	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 19:08	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 19:08	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 19:08	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 19:08	1
Chlorobenzene	1.2		1.0	0.15	ug/L			11/23/21 19:08	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 19:08	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 19:08	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 19:08	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 19:08	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 19:08	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 19:08	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-207493-10

Date Collected: 11/10/21 15:40

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 19:08	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 19:08	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 19:08	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 19:08	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 19:08	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 19:08	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 19:08	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/23/21 19:08	1
trans-1,2-Dichloroethene	0.83	J	1.0	0.50	ug/L			11/23/21 19:08	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 19:08	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 19:08	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 19:08	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 19:08	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 19:08	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 19:08	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 19:08	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 19:08	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 19:08	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 19:08	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 19:08	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 19:08	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 19:08	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 19:08	1
1,1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 19:08	1
Toluene	0.96	J	1.0	0.41	ug/L			11/23/21 19:08	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 19:08	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 19:08	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 19:08	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 19:08	1
Trichloroethene	5.5		1.0	0.15	ug/L			11/23/21 19:08	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 19:08	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 19:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 19:08	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 19:08	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 19:08	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 19:08	1
Vinyl chloride	1.2		1.0	0.50	ug/L			11/23/21 19:08	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 19:08	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 19:08	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 19:08	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-207493-10

Date Collected: 11/10/21 15:40

Matrix: Water

Date Received: 11/13/21 09:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119		11/23/21 19:08	1
Dibromofluoromethane	98		75 - 126		11/23/21 19:08	1
Toluene-d8 (Surr)	100		64 - 132		11/23/21 19:08	1
1,2-Dichloroethane-d4 (Surr)	96		67 - 134		11/23/21 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	7.7		1.0	0.20	ug/L			11/24/21 10:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 10:54	1
Dibromofluoromethane	117		75 - 126		11/24/21 10:54	1
Toluene-d8 (Surr)	73		64 - 132		11/24/21 10:54	1
1,2-Dichloroethane-d4 (Surr)	114		67 - 134		11/24/21 10:54	1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-207493-11

Date Collected: 11/10/21 15:50

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 19:35	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 19:35	1
Benzene	0.75	J	1.0	0.13	ug/L			11/23/21 19:35	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 19:35	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 19:35	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 19:35	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 19:35	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 19:35	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 19:35	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 19:35	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 19:35	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 19:35	1
Chlorobenzene	0.44	J	1.0	0.15	ug/L			11/23/21 19:35	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 19:35	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 19:35	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 19:35	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 19:35	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 19:35	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 19:35	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 19:35	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 19:35	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 19:35	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 19:35	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 19:35	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 19:35	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 19:35	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-207493-11

Date Collected: 11/10/21 15:50

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/23/21 19:35	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 19:35	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 19:35	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 19:35	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 19:35	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 19:35	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 19:35	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 19:35	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 19:35	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 19:35	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 19:35	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 19:35	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 19:35	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 19:35	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 19:35	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 19:35	1
Toluene	0.79	J	1.0	0.41	ug/L			11/23/21 19:35	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 19:35	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 19:35	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 19:35	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 19:35	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/23/21 19:35	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 19:35	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 19:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 19:35	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 19:35	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 19:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/21 19:35	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 19:35	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 19:35	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119		11/23/21 19:35	1
Dibromofluoromethane	98		75 - 126		11/23/21 19:35	1
Toluene-d8 (Surr)	99		64 - 132		11/23/21 19:35	1
1,2-Dichloroethane-d4 (Surr)	98		67 - 134		11/23/21 19:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.1		1.0	0.20	ug/L			11/24/21 12:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-207493-11

Date Collected: 11/10/21 15:50

Matrix: Water

Date Received: 11/13/21 09:20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		72 - 119		11/24/21 12:07	1
Dibromofluoromethane	116		75 - 126		11/24/21 12:07	1
Toluene-d8 (Surr)	79		64 - 132		11/24/21 12:07	1
1,2-Dichloroethane-d4 (Surr)	112		67 - 134		11/24/21 12:07	1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-207493-12

Date Collected: 11/10/21 11:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13	J	25	10	ug/L			11/23/21 20:02	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 20:02	1
Benzene	0.13	U	1.0	0.13	ug/L			11/23/21 20:02	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 20:02	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 20:02	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 20:02	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 20:02	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 20:02	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 20:02	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 20:02	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 20:02	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 20:02	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/23/21 20:02	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 20:02	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 20:02	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 20:02	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 20:02	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 20:02	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 20:02	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 20:02	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 20:02	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 20:02	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 20:02	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 20:02	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 20:02	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 20:02	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/23/21 20:02	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 20:02	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 20:02	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-207493-12

Date Collected: 11/10/21 11:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 20:02	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 20:02	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 20:02	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 20:02	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 20:02	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 20:02	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 20:02	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 20:02	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 20:02	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 20:02	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 20:02	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 20:02	1
1,1,2,2-Tetrachloroethane	3.2		1.0	0.50	ug/L			11/23/21 20:02	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 20:02	1
Toluene	5.3		1.0	0.41	ug/L			11/23/21 20:02	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 20:02	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 20:02	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 20:02	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 20:02	1
Trichloroethene	1.8		1.0	0.15	ug/L			11/23/21 20:02	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 20:02	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 20:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 20:02	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 20:02	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 20:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/21 20:02	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 20:02	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 20:02	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 119		11/23/21 20:02	1
Dibromofluoromethane	102		75 - 126		11/23/21 20:02	1
Toluene-d8 (Surr)	100		64 - 132		11/23/21 20:02	1
1,2-Dichloroethane-d4 (Surr)	102		67 - 134		11/23/21 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	2.5		1.0	0.20	ug/L			11/24/21 12:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 12:32	1
Dibromofluoromethane	113		75 - 126		11/24/21 12:32	1
Toluene-d8 (Surr)	78		64 - 132		11/24/21 12:32	1
1,2-Dichloroethane-d4 (Surr)	113		67 - 134		11/24/21 12:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-207493-13

Date Collected: 11/10/21 11:20

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 20:29	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 20:29	1
Benzene	0.13	U	1.0	0.13	ug/L			11/23/21 20:29	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 20:29	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 20:29	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 20:29	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 20:29	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 20:29	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 20:29	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 20:29	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 20:29	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 20:29	1
Chlorobenzene	4.5		1.0	0.15	ug/L			11/23/21 20:29	1
Chloroethane	2.1		1.0	0.76	ug/L			11/23/21 20:29	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 20:29	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 20:29	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 20:29	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 20:29	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 20:29	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 20:29	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 20:29	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 20:29	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 20:29	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 20:29	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 20:29	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 20:29	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/23/21 20:29	1
trans-1,2-Dichloroethene	21		1.0	0.50	ug/L			11/23/21 20:29	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 20:29	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 20:29	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 20:29	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 20:29	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 20:29	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 20:29	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 20:29	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 20:29	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 20:29	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 20:29	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 20:29	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-207493-13

Date Collected: 11/10/21 11:20

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 20:29	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 20:29	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 20:29	1
1,1,2,2-Tetrachloroethane	15		1.0	0.50	ug/L			11/23/21 20:29	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 20:29	1
Toluene	5.6		1.0	0.41	ug/L			11/23/21 20:29	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 20:29	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 20:29	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 20:29	1
1,1,2-Trichloroethane	0.87	J	5.0	0.21	ug/L			11/23/21 20:29	1
Trichloroethene	35		1.0	0.15	ug/L			11/23/21 20:29	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 20:29	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 20:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:29	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 20:29	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 20:29	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 20:29	1
Vinyl chloride	3.4		1.0	0.50	ug/L			11/23/21 20:29	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 20:29	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 20:29	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/23/21 20:29	1
Dibromofluoromethane	99		75 - 126		11/23/21 20:29	1
Toluene-d8 (Surr)	97		64 - 132		11/23/21 20:29	1
1,2-Dichloroethane-d4 (Surr)	101		67 - 134		11/23/21 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	30		1.0	0.20	ug/L			11/24/21 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119		11/24/21 12:56	1
Dibromofluoromethane	116		75 - 126		11/24/21 12:56	1
Toluene-d8 (Surr)	74		64 - 132		11/24/21 12:56	1
1,2-Dichloroethane-d4 (Surr)	116		67 - 134		11/24/21 12:56	1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-207493-14

Date Collected: 11/10/21 11:35

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 20:57	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 20:57	1
Benzene	0.13	U	1.0	0.13	ug/L			11/23/21 20:57	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 20:57	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 20:57	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 20:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-207493-14

Date Collected: 11/10/21 11:35

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 20:57	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 20:57	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 20:57	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 20:57	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 20:57	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 20:57	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/23/21 20:57	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 20:57	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 20:57	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 20:57	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 20:57	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 20:57	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 20:57	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 20:57	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 20:57	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 20:57	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 20:57	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 20:57	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 20:57	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 20:57	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/23/21 20:57	1
trans-1,2-Dichloroethene	0.51	J	1.0	0.50	ug/L			11/23/21 20:57	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 20:57	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 20:57	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 20:57	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 20:57	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 20:57	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 20:57	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 20:57	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 20:57	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 20:57	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 20:57	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 20:57	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 20:57	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 20:57	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 20:57	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 20:57	1
Toluene	0.96	J	1.0	0.41	ug/L			11/23/21 20:57	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 20:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-207493-14

Date Collected: 11/10/21 11:35

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 20:57	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 20:57	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 20:57	1
Trichloroethene	11		1.0	0.15	ug/L			11/23/21 20:57	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 20:57	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 20:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 20:57	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 20:57	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 20:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/21 20:57	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 20:57	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 20:57	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 20:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119		11/23/21 20:57	1
Dibromofluoromethane	101		75 - 126		11/23/21 20:57	1
Toluene-d8 (Surr)	99		64 - 132		11/23/21 20:57	1
1,2-Dichloroethane-d4 (Surr)	100		67 - 134		11/23/21 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	5.3		1.0	0.20	ug/L			11/24/21 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 119		11/24/21 13:22	1
Dibromofluoromethane	115		75 - 126		11/24/21 13:22	1
Toluene-d8 (Surr)	75		64 - 132		11/24/21 13:22	1
1,2-Dichloroethane-d4 (Surr)	115		67 - 134		11/24/21 13:22	1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-207493-15

Date Collected: 11/10/21 11:55

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 21:24	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 21:24	1
Benzene	0.13	U	1.0	0.13	ug/L			11/23/21 21:24	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 21:24	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 21:24	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 21:24	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 21:24	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 21:24	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 21:24	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 21:24	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 21:24	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 21:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-207493-15

Date Collected: 11/10/21 11:55

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/23/21 21:24	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 21:24	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 21:24	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 21:24	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 21:24	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 21:24	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 21:24	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 21:24	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 21:24	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 21:24	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 21:24	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 21:24	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 21:24	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 21:24	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/23/21 21:24	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 21:24	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 21:24	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 21:24	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 21:24	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 21:24	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 21:24	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 21:24	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 21:24	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 21:24	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 21:24	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 21:24	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 21:24	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 21:24	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 21:24	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 21:24	1
Toluene	0.71	J	1.0	0.41	ug/L			11/23/21 21:24	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 21:24	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 21:24	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 21:24	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 21:24	1
Trichloroethene	1.8		1.0	0.15	ug/L			11/23/21 21:24	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 21:24	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 21:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-207493-15

Date Collected: 11/10/21 11:55

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 21:24	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 21:24	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 21:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/21 21:24	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 21:24	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 21:24	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119		11/23/21 21:24	1
Dibromofluoromethane	100		75 - 126		11/23/21 21:24	1
Toluene-d8 (Surr)	100		64 - 132		11/23/21 21:24	1
1,2-Dichloroethane-d4 (Surr)	102		67 - 134		11/23/21 21:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	1.4		1.0	0.20	ug/L			11/24/21 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 13:47	1
Dibromofluoromethane	113		75 - 126		11/24/21 13:47	1
Toluene-d8 (Surr)	76		64 - 132		11/24/21 13:47	1
1,2-Dichloroethane-d4 (Surr)	118		67 - 134		11/24/21 13:47	1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-207493-16

Date Collected: 11/10/21 12:20

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 11:43	1
Acrylonitrile	2.8	U *	10	2.8	ug/L			11/24/21 11:43	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 11:43	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 11:43	1
Bromochloromethane	0.21	U F1 *	1.0	0.21	ug/L			11/24/21 11:43	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 11:43	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 11:43	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 11:43	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 11:43	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 11:43	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 11:43	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 11:43	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/24/21 11:43	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/24/21 11:43	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 11:43	1
Chloromethane	0.32	U *	1.0	0.32	ug/L			11/24/21 11:43	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 11:43	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 11:43	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 11:43	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-207493-16

Date Collected: 11/10/21 12:20

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.5	U **	5.0	1.5	ug/L			11/24/21 11:43	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 11:43	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 11:43	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 11:43	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 11:43	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 11:43	1
Dichlorodifluoromethane	0.85	U **	1.0	0.85	ug/L			11/24/21 11:43	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 11:43	1
cis-1,2-Dichloroethene	0.46	J	1.0	0.20	ug/L			11/24/21 11:43	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 11:43	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 11:43	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 11:43	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 11:43	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 11:43	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 11:43	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 11:43	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 11:43	1
4-Methyl-2-pentanone (MIBK)	1.8	U F1 **	25	1.8	ug/L			11/24/21 11:43	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 11:43	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 11:43	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 11:43	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 11:43	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 11:43	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 11:43	1
Toluene	1.0		1.0	0.41	ug/L			11/24/21 11:43	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 11:43	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 11:43	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 11:43	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 11:43	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/24/21 11:43	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 11:43	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 11:43	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 11:43	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 11:43	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 11:43	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 11:43	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 11:43	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-207493-16

Date Collected: 11/10/21 12:20

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 11:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119					11/24/21 11:43	1
Dibromofluoromethane	114		75 - 126					11/24/21 11:43	1
Toluene-d8 (Surr)	74		64 - 132					11/24/21 11:43	1
1,2-Dichloroethane-d4 (Surr)	113		67 - 134					11/24/21 11:43	1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-207493-17

Date Collected: 11/12/21 10:10

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 21:15	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 21:15	1
Benzene	0.52	J	1.0	0.13	ug/L			11/24/21 21:15	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 21:15	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 21:15	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 21:15	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 21:15	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 21:15	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 21:15	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 21:15	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 21:15	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 21:15	1
Chlorobenzene	39		1.0	0.15	ug/L			11/24/21 21:15	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 21:15	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 21:15	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 21:15	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 21:15	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 21:15	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 21:15	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 21:15	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 21:15	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 21:15	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 21:15	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 21:15	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 21:15	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
1,2-Dichloroethane	2.6		1.0	0.19	ug/L			11/24/21 21:15	1
cis-1,2-Dichloroethene	0.35	J	1.0	0.20	ug/L			11/24/21 21:15	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-207493-17

Date Collected: 11/12/21 10:10

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 21:15	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 21:15	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 21:15	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 21:15	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 21:15	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 21:15	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 21:15	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 21:15	1
4-Methyl-2-pentanone (MIBK)	1.8	U *	25	1.8	ug/L			11/24/21 21:15	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 21:15	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 21:15	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 21:15	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 21:15	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 21:15	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 21:15	1
Toluene	9.3		1.0	0.41	ug/L			11/24/21 21:15	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 21:15	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 21:15	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 21:15	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 21:15	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/24/21 21:15	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 21:15	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 21:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 21:15	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 21:15	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 21:15	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 21:15	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 21:15	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 21:15	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 21:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119		11/24/21 21:15	1
Dibromofluoromethane	111		75 - 126		11/24/21 21:15	1
Toluene-d8 (Surr)	79		64 - 132		11/24/21 21:15	1
1,2-Dichloroethane-d4 (Surr)	115		67 - 134		11/24/21 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	6.0		1.0	0.76	ug/L			11/26/21 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 119		11/26/21 15:37	1
Dibromofluoromethane	104		75 - 126		11/26/21 15:37	1
Toluene-d8 (Surr)	98		64 - 132		11/26/21 15:37	1
1,2-Dichloroethane-d4 (Surr)	99		67 - 134		11/26/21 15:37	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-207493-17

Date Collected: 11/12/21 10:10

Matrix: Water

Date Received: 11/13/21 09:20

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	71		1.1	0.30	ug/L			11/19/21 14:21	1
Ethene	15		1.0	0.31	ug/L			11/19/21 14:21	1
Methane (TCD)	9700		390	59	ug/L			11/19/21 14:21	1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-207493-18

Date Collected: 11/12/21 10:30

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 21:41	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 21:41	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 21:41	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 21:41	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 21:41	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 21:41	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 21:41	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 21:41	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 21:41	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 21:41	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 21:41	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 21:41	1
Chlorobenzene	12		1.0	0.15	ug/L			11/24/21 21:41	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 21:41	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 21:41	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 21:41	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 21:41	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 21:41	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 21:41	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 21:41	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 21:41	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 21:41	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 21:41	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 21:41	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 21:41	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
1,2-Dichloroethane	0.76	J	1.0	0.19	ug/L			11/24/21 21:41	1
cis-1,2-Dichloroethene	0.68	J	1.0	0.20	ug/L			11/24/21 21:41	1
trans-1,2-Dichloroethene	2.7		1.0	0.50	ug/L			11/24/21 21:41	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 21:41	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 21:41	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-207493-18

Date Collected: 11/12/21 10:30

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 21:41	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 21:41	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 21:41	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 21:41	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 21:41	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 21:41	1
4-Methyl-2-pentanone (MIBK)	1.8	U *	25	1.8	ug/L			11/24/21 21:41	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 21:41	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 21:41	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 21:41	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 21:41	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 21:41	1
1,1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 21:41	1
Toluene	5.4		1.0	0.41	ug/L			11/24/21 21:41	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 21:41	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 21:41	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 21:41	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 21:41	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 21:41	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 21:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 21:41	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 21:41	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 21:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 21:41	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 21:41	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 21:41	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 21:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119					11/24/21 21:41	1
Dibromofluoromethane	115		75 - 126					11/24/21 21:41	1
Toluene-d8 (Surr)	78		64 - 132					11/24/21 21:41	1
1,2-Dichloroethane-d4 (Surr)	116		67 - 134					11/24/21 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.7		1.0	0.76	ug/L			11/26/21 16:04	1
Trichloroethene	1.4		1.0	0.15	ug/L			11/26/21 16:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119					11/26/21 16:04	1
Dibromofluoromethane	106		75 - 126					11/26/21 16:04	1
Toluene-d8 (Surr)	99		64 - 132					11/26/21 16:04	1
1,2-Dichloroethane-d4 (Surr)	100		67 - 134					11/26/21 16:04	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	8.9		1.1	0.30	ug/L			11/19/21 14:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-207493-18

Date Collected: 11/12/21 10:30

Matrix: Water

Date Received: 11/13/21 09:20

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethene	4.2		1.0	0.31	ug/L			11/19/21 14:34	1
Methane (TCD)	5000		390	59	ug/L			11/19/21 14:34	1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-207493-19

Date Collected: 11/12/21 10:50

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 22:07	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 22:07	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 22:07	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 22:07	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 22:07	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 22:07	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 22:07	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 22:07	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 22:07	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 22:07	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 22:07	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 22:07	1
Chlorobenzene	2.8		1.0	0.15	ug/L			11/24/21 22:07	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 22:07	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 22:07	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 22:07	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 22:07	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 22:07	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 22:07	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 22:07	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 22:07	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 22:07	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 22:07	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 22:07	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 22:07	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
1,2-Dichloroethane	0.51	J	1.0	0.19	ug/L			11/24/21 22:07	1
cis-1,2-Dichloroethene	8.2		1.0	0.20	ug/L			11/24/21 22:07	1
trans-1,2-Dichloroethene	5.3		1.0	0.50	ug/L			11/24/21 22:07	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 22:07	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 22:07	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 22:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-207493-19

Date Collected: 11/12/21 10:50

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 22:07	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 22:07	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 22:07	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 22:07	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 22:07	1
4-Methyl-2-pentanone (MIBK)	1.8	U **	25	1.8	ug/L			11/24/21 22:07	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 22:07	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 22:07	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 22:07	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 22:07	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 22:07	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 22:07	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 22:07	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 22:07	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 22:07	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 22:07	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 22:07	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 22:07	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 22:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:07	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 22:07	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 22:07	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 22:07	1
Vinyl chloride	1.6		1.0	0.50	ug/L			11/24/21 22:07	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 22:07	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 22:07	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 22:07	1
Dibromofluoromethane	114		75 - 126		11/24/21 22:07	1
Toluene-d8 (Surr)	83		64 - 132		11/24/21 22:07	1
1,2-Dichloroethane-d4 (Surr)	112		67 - 134		11/24/21 22:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.76	U	1.0	0.76	ug/L			11/26/21 16:32	1
Trichloroethene	14		1.0	0.15	ug/L			11/26/21 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 119		11/26/21 16:32	1
Dibromofluoromethane	104		75 - 126		11/26/21 16:32	1
Toluene-d8 (Surr)	97		64 - 132		11/26/21 16:32	1
1,2-Dichloroethane-d4 (Surr)	101		67 - 134		11/26/21 16:32	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.6		1.1	0.30	ug/L			11/19/21 15:59	1
Ethene	4.9		1.0	0.31	ug/L			11/19/21 15:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-207493-19

Date Collected: 11/12/21 10:50

Matrix: Water

Date Received: 11/13/21 09:20

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane (TCD)	5300		390	59	ug/L			11/19/21 15:59	1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-207493-20

Date Collected: 11/12/21 11:10

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 22:33	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 22:33	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 22:33	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 22:33	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 22:33	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 22:33	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 22:33	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 22:33	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 22:33	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 22:33	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 22:33	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 22:33	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/24/21 22:33	1
Chloroethane	0.76	U *-	1.0	0.76	ug/L			11/24/21 22:33	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 22:33	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 22:33	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 22:33	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 22:33	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 22:33	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 22:33	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 22:33	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 22:33	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 22:33	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 22:33	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 22:33	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 22:33	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 22:33	1
cis-1,2-Dichloroethene	0.84	J	1.0	0.20	ug/L			11/24/21 22:33	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 22:33	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 22:33	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 22:33	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-207493-20

Date Collected: 11/12/21 11:10

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 22:33	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 22:33	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 22:33	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 22:33	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 22:33	1
4-Methyl-2-pentanone (MIBK)	1.8	U **	25	1.8	ug/L			11/24/21 22:33	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 22:33	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 22:33	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 22:33	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 22:33	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 22:33	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 22:33	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 22:33	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 22:33	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 22:33	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 22:33	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 22:33	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 22:33	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 22:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 22:33	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 22:33	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 22:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 22:33	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 22:33	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 22:33	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 22:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	86		72 - 119		11/24/21 22:33	1
Dibromofluoromethane	116		75 - 126		11/24/21 22:33	1
Toluene-d8 (Surr)	83		64 - 132		11/24/21 22:33	1
1,2-Dichloroethane-d4 (Surr)	112		67 - 134		11/24/21 22:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	5.3		1.0	0.15	ug/L			11/26/21 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119		11/26/21 16:59	1
Dibromofluoromethane	102		75 - 126		11/26/21 16:59	1
Toluene-d8 (Surr)	97		64 - 132		11/26/21 16:59	1
1,2-Dichloroethane-d4 (Surr)	101		67 - 134		11/26/21 16:59	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.30	U	1.1	0.30	ug/L			11/19/21 16:12	1
Ethene	1.4		1.0	0.31	ug/L			11/19/21 16:12	1
Methane (TCD)	1300		390	59	ug/L			11/19/21 16:12	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-207493-21

Date Collected: 11/12/21 11:30

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 22:59	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 22:59	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 22:59	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 22:59	1
Bromochloromethane	0.21	U **	1.0	0.21	ug/L			11/24/21 22:59	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 22:59	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 22:59	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 22:59	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 22:59	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 22:59	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 22:59	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 22:59	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/24/21 22:59	1
Chloroethane	0.76	U *	1.0	0.76	ug/L			11/24/21 22:59	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 22:59	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 22:59	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 22:59	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 22:59	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 22:59	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 22:59	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 22:59	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 22:59	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 22:59	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 22:59	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 22:59	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 22:59	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 22:59	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			11/24/21 22:59	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 22:59	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 22:59	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 22:59	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 22:59	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 22:59	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 22:59	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 22:59	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 22:59	1
4-Methyl-2-pentanone (MIBK)	1.8	U **	25	1.8	ug/L			11/24/21 22:59	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 22:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-207493-21

Date Collected: 11/12/21 11:30

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 22:59	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 22:59	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 22:59	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 22:59	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 22:59	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 22:59	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 22:59	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 22:59	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 22:59	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 22:59	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/24/21 22:59	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 22:59	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 22:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 22:59	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 22:59	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 22:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 22:59	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 22:59	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 22:59	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 22:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 119		11/24/21 22:59	1
Dibromofluoromethane	116		75 - 126		11/24/21 22:59	1
Toluene-d8 (Surr)	79		64 - 132		11/24/21 22:59	1
1,2-Dichloroethane-d4 (Surr)	114		67 - 134		11/24/21 22:59	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	260		0.58	0.57	ug/L			11/19/21 16:25	1
Ethane	0.30	U	1.1	0.30	ug/L			11/19/21 16:25	1
Ethene	0.31	U	1.0	0.31	ug/L			11/19/21 16:25	1

Client Sample ID: DUP 384

Lab Sample ID: 680-207493-22

Date Collected: 11/10/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	2.1		1.0	0.20	ug/L			11/24/21 11:18	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 11:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 11:18	1
Dibromofluoromethane	112		75 - 126		11/24/21 11:18	1
Toluene-d8 (Surr)	75		64 - 132		11/24/21 11:18	1
1,2-Dichloroethane-d4 (Surr)	115		67 - 134		11/24/21 11:18	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: DUP 384

Lab Sample ID: 680-207493-22

Date Collected: 11/10/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 12:23	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 12:23	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 12:23	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 12:23	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/24/21 12:23	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 12:23	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 12:23	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 12:23	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 12:23	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 12:23	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 12:23	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 12:23	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/24/21 12:23	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/24/21 12:23	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 12:23	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 12:23	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 12:23	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 12:23	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 12:23	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 12:23	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 12:23	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 12:23	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 12:23	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 12:23	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 12:23	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 12:23	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 12:23	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 12:23	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 12:23	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 12:23	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 12:23	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 12:23	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 12:23	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 12:23	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 12:23	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/24/21 12:23	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 12:23	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 12:23	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 12:23	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: DUP 384

Lab Sample ID: 680-207493-22

Date Collected: 11/10/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 12:23	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 12:23	1
1,1,2,2-Tetrachloroethane	3.6		1.0	0.50	ug/L			11/24/21 12:23	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 12:23	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 12:23	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 12:23	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 12:23	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 12:23	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 12:23	1
Trichloroethene	3.4		1.0	0.15	ug/L			11/24/21 12:23	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 12:23	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 12:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 12:23	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 12:23	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 12:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 12:23	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 12:23	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 12:23	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 119		11/24/21 12:23	1
Dibromofluoromethane	100		75 - 126		11/24/21 12:23	1
Toluene-d8 (Surr)	100		64 - 132		11/24/21 12:23	1
1,2-Dichloroethane-d4 (Surr)	99		67 - 134		11/24/21 12:23	1

Client Sample ID: DUP 385

Lab Sample ID: 680-207493-23

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 20:49	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 20:49	1
Benzene	1.1		1.0	0.13	ug/L			11/24/21 20:49	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 20:49	1
Bromochloromethane	0.21	U **	1.0	0.21	ug/L			11/24/21 20:49	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 20:49	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 20:49	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 20:49	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 20:49	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 20:49	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 20:49	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 20:49	1
Chlorobenzene	12		1.0	0.15	ug/L			11/24/21 20:49	1
Chloroethane	3.1	*-	1.0	0.76	ug/L			11/24/21 20:49	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 20:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: DUP 385

Lab Sample ID: 680-207493-23

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 20:49	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 20:49	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 20:49	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 20:49	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 20:49	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 20:49	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 20:49	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 20:49	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 20:49	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 20:49	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 20:49	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
1,2-Dichloroethane	1.4		1.0	0.19	ug/L			11/24/21 20:49	1
cis-1,2-Dichloroethene	0.82	J	1.0	0.20	ug/L			11/24/21 20:49	1
trans-1,2-Dichloroethene	3.7		1.0	0.50	ug/L			11/24/21 20:49	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 20:49	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 20:49	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 20:49	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 20:49	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 20:49	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 20:49	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 20:49	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 20:49	1
4-Methyl-2-pentanone (MIBK)	1.8	U **	25	1.8	ug/L			11/24/21 20:49	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 20:49	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 20:49	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 20:49	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 20:49	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 20:49	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 20:49	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 20:49	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 20:49	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 20:49	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 20:49	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 20:49	1
Trichloroethene	2.4		1.0	0.15	ug/L			11/24/21 20:49	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 20:49	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 20:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 20:49	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 20:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: DUP 385

Lab Sample ID: 680-207493-23

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 20:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 20:49	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 20:49	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 20:49	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 20:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	87		72 - 119		11/24/21 20:49	1
Dibromofluoromethane	117		75 - 126		11/24/21 20:49	1
Toluene-d8 (Surr)	81		64 - 132		11/24/21 20:49	1
1,2-Dichloroethane-d4 (Surr)	111		67 - 134		11/24/21 20:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.1	H	1.0	0.76	ug/L			11/26/21 17:26	1
Trichloroethene	2.0	H	1.0	0.15	ug/L			11/26/21 17:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/26/21 17:26	1
Dibromofluoromethane	105		75 - 126		11/26/21 17:26	1
Toluene-d8 (Surr)	100		64 - 132		11/26/21 17:26	1
1,2-Dichloroethane-d4 (Surr)	101		67 - 134		11/26/21 17:26	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	20		1.1	0.30	ug/L			11/19/21 16:38	1
Ethene	30		1.0	0.31	ug/L			11/19/21 16:38	1
Methane (TCD)	16000		390	59	ug/L			11/19/21 16:38	1

Client Sample ID: TB 584

Lab Sample ID: 680-207493-24

Date Collected: 11/12/21 15:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 23:25	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 23:25	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 23:25	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 23:25	1
Bromochloromethane	0.21	U *+	1.0	0.21	ug/L			11/24/21 23:25	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 23:25	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 23:25	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 23:25	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 23:25	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 23:25	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 23:25	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 23:25	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/24/21 23:25	1
Chloroethane	0.76	U *-	1.0	0.76	ug/L			11/24/21 23:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: TB 584

Lab Sample ID: 680-207493-24

Date Collected: 11/12/21 15:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 23:25	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 23:25	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 23:25	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 23:25	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 23:25	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 23:25	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 23:25	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 23:25	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 23:25	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 23:25	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 23:25	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 23:25	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 23:25	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			11/24/21 23:25	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 23:25	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 23:25	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 23:25	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 23:25	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 23:25	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 23:25	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 23:25	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 23:25	1
4-Methyl-2-pentanone (MIBK)	1.8	U **	25	1.8	ug/L			11/24/21 23:25	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 23:25	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 23:25	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 23:25	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 23:25	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 23:25	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 23:25	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 23:25	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 23:25	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 23:25	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 23:25	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 23:25	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/24/21 23:25	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 23:25	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 23:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 23:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: TB 584

Lab Sample ID: 680-207493-24

Date Collected: 11/12/21 15:00

Matrix: Water

Date Received: 11/13/21 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 23:25	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 23:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 23:25	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 23:25	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 23:25	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		72 - 119		11/24/21 23:25	1
Dibromofluoromethane	114		75 - 126		11/24/21 23:25	1
Toluene-d8 (Surr)	83		64 - 132		11/24/21 23:25	1
1,2-Dichloroethane-d4 (Surr)	113		67 - 134		11/24/21 23:25	1

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: MB 400-557019/4

Matrix: Water

Analysis Batch: 557019

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/23/21 11:53	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/23/21 11:53	1
Benzene	0.13	U	1.0	0.13	ug/L			11/23/21 11:53	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 11:53	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/23/21 11:53	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/23/21 11:53	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/23/21 11:53	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/23/21 11:53	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/23/21 11:53	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/23/21 11:53	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/23/21 11:53	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/23/21 11:53	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/23/21 11:53	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/23/21 11:53	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/23/21 11:53	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/23/21 11:53	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/23/21 11:53	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/23/21 11:53	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/23/21 11:53	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/23/21 11:53	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/23/21 11:53	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/23/21 11:53	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/23/21 11:53	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/23/21 11:53	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/23/21 11:53	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/23/21 11:53	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/23/21 11:53	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/23/21 11:53	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/23/21 11:53	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/23/21 11:53	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/23/21 11:53	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/23/21 11:53	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/23/21 11:53	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/23/21 11:53	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/23/21 11:53	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/23/21 11:53	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/23/21 11:53	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: MB 400-557019/4

Matrix: Water

Analysis Batch: 557019

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			11/23/21 11:53	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/23/21 11:53	1
Styrene	1.0	U	1.0	1.0	ug/L			11/23/21 11:53	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/23/21 11:53	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/23/21 11:53	1
Toluene	0.41	U	1.0	0.41	ug/L			11/23/21 11:53	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/23/21 11:53	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/23/21 11:53	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/23/21 11:53	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/23/21 11:53	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/23/21 11:53	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/23/21 11:53	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/23/21 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/23/21 11:53	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/23/21 11:53	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/23/21 11:53	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/21 11:53	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/23/21 11:53	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/23/21 11:53	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/23/21 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119		11/23/21 11:53	1
Dibromofluoromethane	101		75 - 126		11/23/21 11:53	1
Toluene-d8 (Surr)	101		64 - 132		11/23/21 11:53	1
1,2-Dichloroethane-d4 (Surr)	96		67 - 134		11/23/21 11:53	1

Lab Sample ID: LCS 400-557019/1002

Matrix: Water

Analysis Batch: 557019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	187		ug/L		94	43 - 160
Acrylonitrile	500	353		ug/L		71	64 - 142
Benzene	50.0	40.8		ug/L		82	70 - 130
Bromobenzene	50.0	47.7		ug/L		95	70 - 132
Bromochloromethane	50.0	42.8		ug/L		86	70 - 130
Bromodichloromethane	50.0	40.2		ug/L		80	67 - 133
Bromoform	50.0	45.0		ug/L		90	57 - 140
Bromomethane	50.0	46.2		ug/L		92	10 - 160
2-Butanone (MEK)	200	180		ug/L		90	61 - 145
n-Butylbenzene	50.0	48.8		ug/L		98	67 - 130
sec-Butylbenzene	50.0	49.2		ug/L		98	66 - 130
tert-Butylbenzene	50.0	47.0		ug/L		94	64 - 139
Carbon disulfide	50.0	40.5		ug/L		81	61 - 137
Carbon tetrachloride	50.0	42.6		ug/L		85	61 - 137

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: LCS 400-557019/1002

Matrix: Water

Analysis Batch: 557019

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	50.0	47.5		ug/L		95	70 - 130
Chloroethane	50.0	47.4		ug/L		95	55 - 141
Chloroform	50.0	40.4		ug/L		81	69 - 130
Chloromethane	50.0	44.0		ug/L		88	58 - 137
2-Chlorotoluene	50.0	45.8		ug/L		92	70 - 130
4-Chlorotoluene	50.0	45.7		ug/L		91	70 - 130
Dibromochloromethane	50.0	46.4		ug/L		93	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	46.3		ug/L		93	54 - 135
1,2-Dibromoethane	50.0	42.5		ug/L		85	70 - 130
Dibromomethane	50.0	41.1		ug/L		82	70 - 130
1,2-Dichlorobenzene	50.0	46.2		ug/L		92	67 - 130
1,3-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 130
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 130
trans-1,4-Dichloro-2-butene	50.0	36.8		ug/L		74	57 - 140
Dichlorodifluoromethane	50.0	55.3		ug/L		111	41 - 146
1,1-Dichloroethane	50.0	40.6		ug/L		81	70 - 130
1,2-Dichloroethane	50.0	38.2		ug/L		76	69 - 130
trans-1,2-Dichloroethene	50.0	42.1		ug/L		84	70 - 130
1,1-Dichloroethene	50.0	41.1		ug/L		82	63 - 134
1,2-Dichloropropane	50.0	40.0		ug/L		80	70 - 130
1,3-Dichloropropane	50.0	41.4		ug/L		83	70 - 130
2,2-Dichloropropane	50.0	41.2		ug/L		82	52 - 135
1,1-Dichloropropene	50.0	41.7		ug/L		83	70 - 130
cis-1,3-Dichloropropene	50.0	40.0		ug/L		80	69 - 132
trans-1,3-Dichloropropene	50.0	42.1		ug/L		84	63 - 130
Ethylbenzene	50.0	46.1		ug/L		92	70 - 130
Hexachlorobutadiene	50.0	55.4		ug/L		111	53 - 140
2-Hexanone	200	187		ug/L		94	65 - 137
Iodomethane	50.0	35.1		ug/L		70	27 - 159
Isopropylbenzene	50.0	49.5		ug/L		99	70 - 130
p-Isopropyltoluene	50.0	48.6		ug/L		97	65 - 130
Methylene Chloride	50.0	40.2		ug/L		80	66 - 135
4-Methyl-2-pentanone (MIBK)	200	148		ug/L		74	69 - 138
Methyl tert-butyl ether	50.0	38.5		ug/L		77	66 - 130
Naphthalene	50.0	44.8		ug/L		90	47 - 149
N-Propylbenzene	50.0	49.4		ug/L		99	70 - 130
Styrene	50.0	46.1		ug/L		92	70 - 130
1,1,1,2-Tetrachloroethane	50.0	47.8		ug/L		96	67 - 131
1,1,2,2-Tetrachloroethane	50.0	40.0		ug/L		80	70 - 131
Tetrachloroethylene	50.0	42.6		ug/L		85	65 - 130
Toluene	50.0	45.5		ug/L		91	70 - 130
1,2,3-Trichlorobenzene	50.0	49.2		ug/L		98	60 - 138
1,2,4-Trichlorobenzene	50.0	51.7		ug/L		103	60 - 140
1,1,1-Trichloroethane	50.0	41.0		ug/L		82	68 - 130
1,1,2-Trichloroethane	50.0	43.4		ug/L		87	70 - 130
Trichloroethene	50.0	45.9		ug/L		92	70 - 130
Trichlorofluoromethane	50.0	53.6		ug/L		107	65 - 138
1,2,3-Trichloropropane	50.0	41.5		ug/L		83	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: LCS 400-557019/1002

Matrix: Water

Analysis Batch: 557019

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-Trichloro-1,2,2-trifluoroethane	50.0	46.1		ug/L		92	60 - 139
1,2,4-Trimethylbenzene	50.0	47.2		ug/L		94	70 - 130
1,3,5-Trimethylbenzene	50.0	46.5		ug/L		93	69 - 130
Vinyl acetate	100	95.0		ug/L		95	26 - 160
Vinyl chloride	50.0	48.3		ug/L		97	59 - 136
o-Xylene	50.0	45.7		ug/L		91	70 - 130
m-Xylene & p-Xylene	50.0	44.9		ug/L		90	70 - 130
Xylenes, Total	100	90.6		ug/L		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	92		72 - 119
Dibromofluoromethane	97		75 - 126
Toluene-d8 (Surr)	104		64 - 132
1,2-Dichloroethane-d4 (Surr)	97		67 - 134

Lab Sample ID: MB 400-557165/4

Matrix: Water

Analysis Batch: 557165

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 09:16	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 09:16	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 09:16	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 09:16	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/24/21 09:16	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 09:16	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 09:16	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 09:16	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 09:16	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 09:16	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 09:16	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 09:16	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/24/21 09:16	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/24/21 09:16	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 09:16	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 09:16	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 09:16	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 09:16	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 09:16	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 09:16	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 09:16	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 09:16	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 09:16	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 09:16	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 09:16	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: MB 400-557165/4

Matrix: Water

Analysis Batch: 557165

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 09:16	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 09:16	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			11/24/21 09:16	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 09:16	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 09:16	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 09:16	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 09:16	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 09:16	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 09:16	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 09:16	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 09:16	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/24/21 09:16	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 09:16	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 09:16	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 09:16	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 09:16	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 09:16	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 09:16	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 09:16	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 09:16	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 09:16	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 09:16	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 09:16	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/24/21 09:16	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 09:16	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 09:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 09:16	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 09:16	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 09:16	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 09:16	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 09:16	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 09:16	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 09:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	85		72 - 119		11/24/21 09:16	1
Dibromofluoromethane	111		75 - 126		11/24/21 09:16	1
Toluene-d8 (Surr)	75		64 - 132		11/24/21 09:16	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: MB 400-557165/4

Matrix: Water

Analysis Batch: 557165

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		67 - 134		11/24/21 09:16	1

Lab Sample ID: LCS 400-557165/1002

Matrix: Water

Analysis Batch: 557165

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	226		ug/L		113	43 - 160
Acrylonitrile	500	775	*+	ug/L		155	64 - 142
Benzene	50.0	49.9		ug/L		100	70 - 130
Bromobenzene	50.0	55.8		ug/L		112	70 - 132
Bromochloromethane	50.0	74.6	*+	ug/L		149	70 - 130
Bromodichloromethane	50.0	57.5		ug/L		115	67 - 133
Bromoform	50.0	64.0		ug/L		128	57 - 140
Bromomethane	25.0	27.7		ug/L		111	10 - 160
2-Butanone (MEK)	200	225		ug/L		112	61 - 145
n-Butylbenzene	50.0	45.8		ug/L		92	67 - 130
sec-Butylbenzene	50.0	51.7		ug/L		103	66 - 130
tert-Butylbenzene	50.0	48.5		ug/L		97	64 - 139
Carbon disulfide	50.0	59.1		ug/L		118	61 - 137
Carbon tetrachloride	50.0	53.8		ug/L		108	61 - 137
Chlorobenzene	50.0	52.3		ug/L		105	70 - 130
Chloroethane	25.0	22.7		ug/L		91	55 - 141
Chloroform	50.0	47.2		ug/L		94	69 - 130
Chloromethane	25.0	36.4	*+	ug/L		146	58 - 137
2-Chlorotoluene	50.0	44.7		ug/L		89	70 - 130
4-Chlorotoluene	50.0	46.9		ug/L		94	70 - 130
Dibromochloromethane	50.0	50.9		ug/L		102	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	68.9	*+	ug/L		138	54 - 135
1,2-Dibromoethane	50.0	52.2		ug/L		104	70 - 130
Dibromomethane	50.0	55.5		ug/L		111	70 - 130
1,2-Dichlorobenzene	50.0	55.9		ug/L		112	67 - 130
1,3-Dichlorobenzene	50.0	56.7		ug/L		113	70 - 130
1,4-Dichlorobenzene	50.0	55.6		ug/L		111	70 - 130
trans-1,4-Dichloro-2-butene	50.0	52.9		ug/L		106	57 - 140
Dichlorodifluoromethane	25.0	42.4	*+	ug/L		169	41 - 146
1,1-Dichloroethane	50.0	46.8		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	51.4		ug/L		103	69 - 130
cis-1,2-Dichloroethene	50.0	50.3		ug/L		101	68 - 130
trans-1,2-Dichloroethene	50.0	45.8		ug/L		92	70 - 130
1,1-Dichloroethene	50.0	50.9		ug/L		102	63 - 134
1,2-Dichloropropane	50.0	51.2		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	43.5		ug/L		87	70 - 130
2,2-Dichloropropane	50.0	51.2		ug/L		102	52 - 135
1,1-Dichloropropene	50.0	48.8		ug/L		98	70 - 130
cis-1,3-Dichloropropene	50.0	54.0		ug/L		108	69 - 132
trans-1,3-Dichloropropene	50.0	41.0		ug/L		82	63 - 130
Ethylbenzene	50.0	48.9		ug/L		98	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: LCS 400-557165/1002

Matrix: Water

Analysis Batch: 557165

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	50.0	55.0		ug/L		110	53 - 140
2-Hexanone	200	234		ug/L		117	65 - 137
Iodomethane	50.0	48.7		ug/L		97	27 - 159
Isopropylbenzene	50.0	58.7		ug/L		117	70 - 130
p-Isopropyltoluene	50.0	53.2		ug/L		106	65 - 130
Methylene Chloride	50.0	65.2		ug/L		130	66 - 135
4-Methyl-2-pentanone (MIBK)	200	381	*+	ug/L		190	69 - 138
Methyl tert-butyl ether	50.0	52.2		ug/L		104	66 - 130
Naphthalene	50.0	59.7		ug/L		119	47 - 149
N-Propylbenzene	50.0	46.5		ug/L		93	70 - 130
Styrene	50.0	57.4		ug/L		115	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.8		ug/L		106	67 - 131
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	70 - 131
Tetrachloroethylene	50.0	47.8		ug/L		96	65 - 130
Toluene	50.0	40.8		ug/L		82	70 - 130
1,2,3-Trichlorobenzene	50.0	58.6		ug/L		117	60 - 138
1,2,4-Trichlorobenzene	50.0	56.7		ug/L		113	60 - 140
1,1,1-Trichloroethane	50.0	53.9		ug/L		108	68 - 130
1,1,2-Trichloroethane	50.0	42.5		ug/L		85	70 - 130
Trichloroethene	50.0	61.4		ug/L		123	70 - 130
Trichlorofluoromethane	25.0	34.3		ug/L		137	65 - 138
1,2,3-Trichloropropane	50.0	60.5		ug/L		121	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.7		ug/L		95	60 - 139
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	51.6		ug/L		103	69 - 130
Vinyl acetate	50.0	47.1		ug/L		94	26 - 160
Vinyl chloride	25.0	31.4		ug/L		126	59 - 136
o-Xylene	50.0	51.6		ug/L		103	70 - 130
m-Xylene & p-Xylene	50.0	50.1		ug/L		100	70 - 130
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	88		72 - 119
Dibromofluoromethane	106		75 - 126
Toluene-d8 (Surr)	74		64 - 132
1,2-Dichloroethane-d4 (Surr)	98		67 - 134

Lab Sample ID: 680-207493-16 MS

Matrix: Water

Analysis Batch: 557165

Client Sample ID: OLF-G74 Port 5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	200	110		ug/L		55	43 - 150
Acrylonitrile	2.8	U *+	500	730		ug/L		146	62 - 149
Benzene	0.13	U	50.0	47.2		ug/L		94	56 - 142
Bromobenzene	0.54	U	50.0	50.0		ug/L		100	59 - 136
Bromochloromethane	0.21	U F1 *+	50.0	73.7	F1	ug/L		147	64 - 140
Bromodichloromethane	0.50	U	50.0	54.9		ug/L		110	59 - 143

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: 680-207493-16 MS

Matrix: Water

Analysis Batch: 557165

Client Sample ID: OLF-G74 Port 5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	0.25	U	50.0	58.3		ug/L		117	50 - 140
Bromomethane	0.98	U	25.0	22.9		ug/L		92	10 - 150
2-Butanone (MEK)	2.6	U	200	137		ug/L		68	55 - 150
n-Butylbenzene	0.76	U	50.0	43.8		ug/L		88	41 - 142
sec-Butylbenzene	0.70	U	50.0	48.2		ug/L		96	50 - 138
tert-Butylbenzene	0.63	U	50.0	44.4		ug/L		89	54 - 146
Carbon disulfide	0.50	U	50.0	58.3		ug/L		117	48 - 150
Carbon tetrachloride	0.19	U	50.0	52.1		ug/L		104	55 - 145
Chlorobenzene	0.15	U	50.0	50.4		ug/L		101	64 - 130
Chloroethane	0.76	U	25.0	18.5		ug/L		74	50 - 150
Chloroform	0.60	U	50.0	47.6		ug/L		95	60 - 141
Chloromethane	0.32	U **	25.0	32.2		ug/L		129	49 - 148
2-Chlorotoluene	0.57	U	50.0	43.2		ug/L		86	53 - 134
4-Chlorotoluene	0.56	U	50.0	43.6		ug/L		87	54 - 133
Dibromochloromethane	0.24	U	50.0	46.4		ug/L		93	56 - 143
1,2-Dibromo-3-Chloropropane	1.5	U **	50.0	55.3		ug/L		111	45 - 135
1,2-Dibromoethane	0.23	U	50.0	48.2		ug/L		96	64 - 132
Dibromomethane	0.22	U	50.0	53.4		ug/L		107	63 - 138
1,2-Dichlorobenzene	0.50	U	50.0	51.9		ug/L		104	52 - 137
1,3-Dichlorobenzene	0.54	U	50.0	52.2		ug/L		104	54 - 135
1,4-Dichlorobenzene	0.64	U	50.0	52.2		ug/L		104	53 - 135
trans-1,4-Dichloro-2-butene	1.0	U	50.0	43.1		ug/L		86	43 - 147
Dichlorodifluoromethane	0.85	U **	25.0	37.2		ug/L		149	16 - 150
1,1-Dichloroethane	0.50	U	50.0	48.2		ug/L		96	61 - 144
1,2-Dichloroethane	0.19	U	50.0	51.0		ug/L		102	60 - 141
cis-1,2-Dichloroethene	0.46	J	50.0	48.6		ug/L		96	59 - 143
trans-1,2-Dichloroethene	0.50	U	50.0	43.3		ug/L		87	61 - 143
1,1-Dichloroethene	0.50	U	50.0	46.7		ug/L		93	54 - 147
1,2-Dichloropropane	0.50	U	50.0	48.7		ug/L		97	66 - 137
1,3-Dichloropropane	0.50	U	50.0	39.9		ug/L		80	66 - 133
2,2-Dichloropropane	0.50	U	50.0	48.8		ug/L		98	42 - 144
1,1-Dichloropropene	0.50	U	50.0	44.9		ug/L		90	65 - 136
cis-1,3-Dichloropropene	0.50	U	50.0	49.5		ug/L		99	57 - 140
trans-1,3-Dichloropropene	0.20	U	50.0	37.2		ug/L		74	53 - 133
Ethylbenzene	0.50	U	50.0	46.1		ug/L		92	58 - 131
Hexachlorobutadiene	0.90	U	50.0	49.4		ug/L		99	31 - 149
2-Hexanone	1.4	U	200	163		ug/L		82	65 - 140
Iodomethane	0.90	U	50.0	51.8		ug/L		104	20 - 150
Isopropylbenzene	0.53	U	50.0	56.3		ug/L		113	56 - 133
p-Isopropyltoluene	0.71	U	50.0	49.7		ug/L		99	48 - 139
Methylene Chloride	3.0	U	50.0	65.8		ug/L		132	60 - 146
4-Methyl-2-pentanone (MIBK)	1.8	U F1 **	200	339	F1	ug/L		169	63 - 146
Methyl tert-butyl ether	0.22	U	50.0	47.4		ug/L		95	59 - 137
Naphthalene	1.0	U	50.0	49.1		ug/L		98	25 - 150
N-Propylbenzene	0.69	U	50.0	42.8		ug/L		86	51 - 138
Styrene	1.0	U	50.0	55.0		ug/L		110	58 - 131
1,1,1,2-Tetrachloroethane	0.16	U	50.0	49.9		ug/L		100	59 - 137
1,1,2,2-Tetrachloroethane	0.50	U	50.0	45.0		ug/L		90	66 - 135
Tetrachloroethylene	0.12	U	50.0	43.8		ug/L		88	52 - 133

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: 680-207493-16 MS

Matrix: Water

Analysis Batch: 557165

Client Sample ID: OLF-G74 Port 5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	1.0		50.0	38.4		ug/L		75	65 - 130
1,2,3-Trichlorobenzene	0.19	U	50.0	49.1		ug/L		98	43 - 145
1,2,4-Trichlorobenzene	0.82	U	50.0	49.4		ug/L		99	39 - 148
1,1,1-Trichloroethane	0.18	U	50.0	51.7		ug/L		103	57 - 142
1,1,2-Trichloroethane	0.21	U	50.0	39.0		ug/L		78	66 - 131
Trichloroethene	0.15	U	50.0	57.3		ug/L		115	64 - 136
Trichlorofluoromethane	0.52	U	25.0	33.6		ug/L		134	54 - 150
1,2,3-Trichloropropane	0.84	U	50.0	53.2		ug/L		106	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	50.0	44.2		ug/L		88	55 - 150
1,2,4-Trimethylbenzene	0.82	U	50.0	49.0		ug/L		98	50 - 139
1,3,5-Trimethylbenzene	0.56	U	50.0	48.6		ug/L		97	52 - 135
Vinyl acetate	0.93	U	50.0	44.4		ug/L		89	26 - 150
Vinyl chloride	0.50	U	25.0	27.8		ug/L		111	46 - 150
o-Xylene	0.60	U	50.0	50.6		ug/L		101	61 - 130
m-Xylene & p-Xylene	0.63	U	50.0	48.4		ug/L		97	57 - 130
Xylenes, Total	1.6	U	100	99.0		ug/L		99	59 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene	83		72 - 119						
Dibromofluoromethane	108		75 - 126						
Toluene-d8 (Surr)	74		64 - 132						
1,2-Dichloroethane-d4 (Surr)	100		67 - 134						

Lab Sample ID: 680-207493-16 MSD

Matrix: Water

Analysis Batch: 557165

Client Sample ID: OLF-G74 Port 5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acetone	10	U	200	100		ug/L		50	43 - 150	9	30
Acrylonitrile	2.8	U *	500	746		ug/L		149	62 - 149	2	30
Benzene	0.13	U	50.0	52.6		ug/L		105	56 - 142	11	30
Bromobenzene	0.54	U	50.0	58.4		ug/L		117	59 - 136	15	30
Bromochloromethane	0.21	U F1 *	50.0	71.5	F1	ug/L		143	64 - 140	3	30
Bromodichloromethane	0.50	U	50.0	57.4		ug/L		115	59 - 143	5	30
Bromoform	0.25	U	50.0	62.1		ug/L		124	50 - 140	6	30
Bromomethane	0.98	U	25.0	22.8		ug/L		91	10 - 150	1	50
2-Butanone (MEK)	2.6	U	200	140		ug/L		70	55 - 150	2	30
n-Butylbenzene	0.76	U	50.0	47.4		ug/L		95	41 - 142	8	31
sec-Butylbenzene	0.70	U	50.0	54.0		ug/L		108	50 - 138	11	30
tert-Butylbenzene	0.63	U	50.0	48.7		ug/L		97	54 - 146	9	30
Carbon disulfide	0.50	U	50.0	57.3		ug/L		115	48 - 150	2	30
Carbon tetrachloride	0.19	U	50.0	61.2		ug/L		122	55 - 145	16	30
Chlorobenzene	0.15	U	50.0	54.6		ug/L		109	64 - 130	8	30
Chloroethane	0.76	U	25.0	19.3		ug/L		77	50 - 150	4	30
Chloroform	0.60	U	50.0	52.6		ug/L		105	60 - 141	10	30
Chloromethane	0.32	U *	25.0	34.1		ug/L		137	49 - 148	6	31
2-Chlorotoluene	0.57	U	50.0	48.0		ug/L		96	53 - 134	10	30
4-Chlorotoluene	0.56	U	50.0	48.8		ug/L		98	54 - 133	11	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: 680-207493-16 MSD

Matrix: Water

Analysis Batch: 557165

Client Sample ID: OLF-G74 Port 5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromochloromethane	0.24	U	50.0	51.7		ug/L		103	56 - 143	11	30
1,2-Dibromo-3-Chloropropane	1.5	U **	50.0	64.0		ug/L		128	45 - 135	14	30
1,2-Dibromoethane	0.23	U	50.0	55.0		ug/L		110	64 - 132	13	30
Dibromomethane	0.22	U	50.0	57.3		ug/L		115	63 - 138	7	30
1,2-Dichlorobenzene	0.50	U	50.0	56.6		ug/L		113	52 - 137	9	30
1,3-Dichlorobenzene	0.54	U	50.0	57.0		ug/L		114	54 - 135	9	30
1,4-Dichlorobenzene	0.64	U	50.0	56.6		ug/L		113	53 - 135	8	30
trans-1,4-Dichloro-2-butene	1.0	U	50.0	53.1		ug/L		106	43 - 147	21	36
Dichlorodifluoromethane	0.85	U **	25.0	37.4		ug/L		150	16 - 150	0	31
1,1-Dichloroethane	0.50	U	50.0	52.9		ug/L		106	61 - 144	9	30
1,2-Dichloroethane	0.19	U	50.0	54.5		ug/L		109	60 - 141	7	30
cis-1,2-Dichloroethene	0.46	J	50.0	54.2		ug/L		107	59 - 143	11	30
trans-1,2-Dichloroethene	0.50	U	50.0	50.6		ug/L		101	61 - 143	15	30
1,1-Dichloroethene	0.50	U	50.0	49.6		ug/L		99	54 - 147	6	30
1,2-Dichloropropane	0.50	U	50.0	54.1		ug/L		108	66 - 137	11	30
1,3-Dichloropropane	0.50	U	50.0	46.1		ug/L		92	66 - 133	15	30
2,2-Dichloropropane	0.50	U	50.0	56.2		ug/L		112	42 - 144	14	31
1,1-Dichloropropene	0.50	U	50.0	53.3		ug/L		107	65 - 136	17	30
cis-1,3-Dichloropropene	0.50	U	50.0	54.9		ug/L		110	57 - 140	10	30
trans-1,3-Dichloropropene	0.20	U	50.0	44.2		ug/L		88	53 - 133	17	30
Ethylbenzene	0.50	U	50.0	50.5		ug/L		101	58 - 131	9	30
Hexachlorobutadiene	0.90	U	50.0	55.2		ug/L		110	31 - 149	11	36
2-Hexanone	1.4	U	200	170		ug/L		85	65 - 140	4	30
Iodomethane	0.90	U	50.0	53.3		ug/L		107	20 - 150	3	44
Isopropylbenzene	0.53	U	50.0	58.9		ug/L		118	56 - 133	4	30
p-Isopropyltoluene	0.71	U	50.0	54.8		ug/L		110	48 - 139	10	30
Methylene Chloride	3.0	U	50.0	63.5		ug/L		127	60 - 146	4	32
4-Methyl-2-pentanone (MIBK)	1.8	U F1 **	200	331	F1	ug/L		166	63 - 146	2	30
Methyl tert-butyl ether	0.22	U	50.0	54.2		ug/L		108	59 - 137	13	30
Naphthalene	1.0	U	50.0	57.0		ug/L		114	25 - 150	15	30
N-Propylbenzene	0.69	U	50.0	49.1		ug/L		98	51 - 138	14	30
Styrene	1.0	U	50.0	56.9		ug/L		114	58 - 131	4	30
1,1,1,2-Tetrachloroethane	0.16	U	50.0	55.3		ug/L		111	59 - 137	10	30
1,1,2,2-Tetrachloroethane	0.50	U	50.0	53.0		ug/L		106	66 - 135	16	30
Tetrachloroethylene	0.12	U	50.0	50.3		ug/L		101	52 - 133	14	30
Toluene	1.0		50.0	45.1		ug/L		88	65 - 130	16	30
1,2,3-Trichlorobenzene	0.19	U	50.0	54.8		ug/L		110	43 - 145	11	30
1,2,4-Trichlorobenzene	0.82	U	50.0	53.5		ug/L		107	39 - 148	8	30
1,1,1-Trichloroethane	0.18	U	50.0	58.8		ug/L		118	57 - 142	13	30
1,1,2-Trichloroethane	0.21	U	50.0	45.6		ug/L		91	66 - 131	16	30
Trichloroethene	0.15	U	50.0	64.5		ug/L		129	64 - 136	12	30
Trichlorofluoromethane	0.52	U	25.0	36.3		ug/L		145	54 - 150	8	30
1,2,3-Trichloropropane	0.84	U	50.0	61.9		ug/L		124	65 - 133	15	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	50.0	53.8		ug/L		108	55 - 150	20	30
1,2,4-Trimethylbenzene	0.82	U	50.0	54.2		ug/L		108	50 - 139	10	30
1,3,5-Trimethylbenzene	0.56	U	50.0	54.2		ug/L		108	52 - 135	11	30
Vinyl acetate	0.93	U	50.0	54.9		ug/L		110	26 - 150	21	33
Vinyl chloride	0.50	U	25.0	30.5		ug/L		122	46 - 150	9	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: 680-207493-16 MSD

Matrix: Water

Analysis Batch: 557165

Client Sample ID: OLF-G74 Port 5

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene	0.60	U	50.0	52.9		ug/L		106	61 - 130	4	30
m-Xylene & p-Xylene	0.63	U	50.0	51.3		ug/L		103	57 - 130	6	30
Xylenes, Total	1.6	U	100	104		ug/L		104	59 - 130	5	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	88		72 - 119								
Dibromofluoromethane	107		75 - 126								
Toluene-d8 (Surr)	77		64 - 132								
1,2-Dichloroethane-d4 (Surr)	100		67 - 134								

Lab Sample ID: MB 400-557168/4

Matrix: Water

Analysis Batch: 557168

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 09:21	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 09:21	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 09:21	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 09:21	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/24/21 09:21	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 09:21	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 09:21	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 09:21	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 09:21	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 09:21	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 09:21	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 09:21	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/24/21 09:21	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/24/21 09:21	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 09:21	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 09:21	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 09:21	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 09:21	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 09:21	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 09:21	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 09:21	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 09:21	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 09:21	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 09:21	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 09:21	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 09:21	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 09:21	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: MB 400-557168/4

Matrix: Water

Analysis Batch: 557168

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 09:21	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 09:21	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 09:21	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 09:21	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 09:21	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 09:21	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 09:21	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 09:21	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/24/21 09:21	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 09:21	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 09:21	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 09:21	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 09:21	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 09:21	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 09:21	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 09:21	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/24/21 09:21	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 09:21	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 09:21	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 09:21	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/24/21 09:21	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 09:21	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 09:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 09:21	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 09:21	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 09:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 09:21	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 09:21	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 09:21	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 09:21	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene	88		72 - 119		11/24/21 09:21	1
Dibromofluoromethane	101		75 - 126		11/24/21 09:21	1
Toluene-d8 (Surr)	101		64 - 132		11/24/21 09:21	1
1,2-Dichloroethane-d4 (Surr)	97		67 - 134		11/24/21 09:21	1

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: LCS 400-557168/1002

Matrix: Water

Analysis Batch: 557168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	269		ug/L		134	43 - 160
Acrylonitrile	500	444		ug/L		89	64 - 142
Benzene	50.0	39.2		ug/L		78	70 - 130
Bromobenzene	50.0	49.8		ug/L		100	70 - 132
Bromochloromethane	50.0	45.1		ug/L		90	70 - 130
Bromodichloromethane	50.0	40.2		ug/L		80	67 - 133
Bromoform	50.0	52.2		ug/L		104	57 - 140
Bromomethane	50.0	40.6		ug/L		81	10 - 160
2-Butanone (MEK)	200	244		ug/L		122	61 - 145
n-Butylbenzene	50.0	45.1		ug/L		90	67 - 130
sec-Butylbenzene	50.0	46.8		ug/L		94	66 - 130
tert-Butylbenzene	50.0	43.9		ug/L		88	64 - 139
Carbon disulfide	50.0	38.7		ug/L		77	61 - 137
Carbon tetrachloride	50.0	41.1		ug/L		82	61 - 137
Chlorobenzene	50.0	47.1		ug/L		94	70 - 130
Chloroethane	50.0	41.8		ug/L		84	55 - 141
Chloroform	50.0	40.7		ug/L		81	69 - 130
Chloromethane	50.0	40.0		ug/L		80	58 - 137
2-Chlorotoluene	50.0	41.8		ug/L		84	70 - 130
4-Chlorotoluene	50.0	43.4		ug/L		87	70 - 130
Dibromochloromethane	50.0	48.5		ug/L		97	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	57.6		ug/L		115	54 - 135
1,2-Dibromoethane	50.0	46.4		ug/L		93	70 - 130
Dibromomethane	50.0	45.4		ug/L		91	70 - 130
1,2-Dichlorobenzene	50.0	47.4		ug/L		95	67 - 130
1,3-Dichlorobenzene	50.0	47.8		ug/L		96	70 - 130
1,4-Dichlorobenzene	50.0	47.2		ug/L		94	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.0		ug/L		92	57 - 140
Dichlorodifluoromethane	50.0	51.5		ug/L		103	41 - 146
1,1-Dichloroethane	50.0	36.9		ug/L		74	70 - 130
1,2-Dichloroethane	50.0	39.2		ug/L		78	69 - 130
1,1-Dichloroethene	50.0	40.9		ug/L		82	63 - 134
1,2-Dichloropropane	50.0	38.2		ug/L		76	70 - 130
1,3-Dichloropropane	50.0	44.8		ug/L		90	70 - 130
2,2-Dichloropropane	50.0	40.1		ug/L		80	52 - 135
1,1-Dichloropropene	50.0	40.8		ug/L		82	70 - 130
cis-1,3-Dichloropropene	50.0	41.3		ug/L		83	69 - 132
trans-1,3-Dichloropropene	50.0	43.3		ug/L		87	63 - 130
Ethylbenzene	50.0	44.0		ug/L		88	70 - 130
Hexachlorobutadiene	50.0	53.0		ug/L		106	53 - 140
2-Hexanone	200	234		ug/L		117	65 - 137
Iodomethane	50.0	36.1		ug/L		72	27 - 159
Isopropylbenzene	50.0	47.5		ug/L		95	70 - 130
p-Isopropyltoluene	50.0	45.4		ug/L		91	65 - 130
Methylene Chloride	50.0	40.1		ug/L		80	66 - 135
4-Methyl-2-pentanone (MIBK)	200	185		ug/L		92	69 - 138
Methyl tert-butyl ether	50.0	43.4		ug/L		87	66 - 130
Naphthalene	50.0	52.8		ug/L		106	47 - 149

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: LCS 400-557168/1002

Matrix: Water

Analysis Batch: 557168

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Propylbenzene	50.0	47.9		ug/L		96	70 - 130
Styrene	50.0	45.2		ug/L		90	70 - 130
1,1,1,2-Tetrachloroethane	50.0	47.3		ug/L		95	67 - 131
1,1,2,2-Tetrachloroethane	50.0	47.5		ug/L		95	70 - 131
Tetrachloroethylene	50.0	42.1		ug/L		84	65 - 130
Toluene	50.0	43.3		ug/L		87	70 - 130
1,2,3-Trichlorobenzene	50.0	53.1		ug/L		106	60 - 138
1,2,4-Trichlorobenzene	50.0	54.2		ug/L		108	60 - 140
1,1,1-Trichloroethane	50.0	40.0		ug/L		80	68 - 130
1,1,2-Trichloroethane	50.0	47.1		ug/L		94	70 - 130
Trichloroethene	50.0	44.4		ug/L		89	70 - 130
Trichlorofluoromethane	50.0	50.6		ug/L		101	65 - 138
1,2,3-Trichloropropane	50.0	47.3		ug/L		95	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.3		ug/L		91	60 - 139
1,2,4-Trimethylbenzene	50.0	44.9		ug/L		90	70 - 130
1,3,5-Trimethylbenzene	50.0	44.8		ug/L		90	69 - 130
Vinyl acetate	100	106		ug/L		106	26 - 160
Vinyl chloride	50.0	42.3		ug/L		85	59 - 136
o-Xylene	50.0	44.7		ug/L		89	70 - 130
m-Xylene & p-Xylene	50.0	43.5		ug/L		87	70 - 130
Xylenes, Total	100	88.2		ug/L		88	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	92		72 - 119
Dibromofluoromethane	97		75 - 126
Toluene-d8 (Surr)	102		64 - 132
1,2-Dichloroethane-d4 (Surr)	98		67 - 134

Lab Sample ID: MB 400-557293/4

Matrix: Water

Analysis Batch: 557293

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/24/21 16:32	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/24/21 16:32	1
Benzene	0.13	U	1.0	0.13	ug/L			11/24/21 16:32	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 16:32	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/24/21 16:32	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/24/21 16:32	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/24/21 16:32	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/24/21 16:32	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/24/21 16:32	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/24/21 16:32	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/24/21 16:32	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/24/21 16:32	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/24/21 16:32	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: MB 400-557293/4

Matrix: Water

Analysis Batch: 557293

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloroethane	0.76	U	1.0	0.76	ug/L			11/24/21 16:32	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/24/21 16:32	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/24/21 16:32	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/24/21 16:32	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/24/21 16:32	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/24/21 16:32	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/24/21 16:32	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/24/21 16:32	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/24/21 16:32	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/24/21 16:32	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/24/21 16:32	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/24/21 16:32	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/24/21 16:32	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/24/21 16:32	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			11/24/21 16:32	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/24/21 16:32	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/24/21 16:32	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/24/21 16:32	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/24/21 16:32	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/24/21 16:32	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/24/21 16:32	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/24/21 16:32	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/24/21 16:32	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/24/21 16:32	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/24/21 16:32	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/24/21 16:32	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/24/21 16:32	1
Styrene	1.0	U	1.0	1.0	ug/L			11/24/21 16:32	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/24/21 16:32	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/24/21 16:32	1
Toluene	0.41	U	1.0	0.41	ug/L			11/24/21 16:32	1
1,2,3-Trichlorobenzene	0.966	J	1.0	0.19	ug/L			11/24/21 16:32	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/24/21 16:32	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/24/21 16:32	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/24/21 16:32	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/24/21 16:32	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/24/21 16:32	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/24/21 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: MB 400-557293/4

Matrix: Water

Analysis Batch: 557293

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/24/21 16:32	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/24/21 16:32	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/24/21 16:32	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/21 16:32	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/24/21 16:32	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/24/21 16:32	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/24/21 16:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	83		72 - 119		11/24/21 16:32	1
Dibromofluoromethane	113		75 - 126		11/24/21 16:32	1
Toluene-d8 (Surr)	79		64 - 132		11/24/21 16:32	1
1,2-Dichloroethane-d4 (Surr)	111		67 - 134		11/24/21 16:32	1

Lab Sample ID: LCS 400-557293/1002

Matrix: Water

Analysis Batch: 557293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	261		ug/L		130	43 - 160
Acrylonitrile	500	701		ug/L		140	64 - 142
Benzene	50.0	50.6		ug/L		101	70 - 130
Bromobenzene	50.0	57.8		ug/L		116	70 - 132
Bromochloromethane	50.0	65.8	*+	ug/L		132	70 - 130
Bromodichloromethane	50.0	56.6		ug/L		113	67 - 133
Bromoform	50.0	60.7		ug/L		121	57 - 140
Bromomethane	25.0	17.5		ug/L		70	10 - 160
2-Butanone (MEK)	200	261		ug/L		131	61 - 145
n-Butylbenzene	50.0	47.1		ug/L		94	67 - 130
sec-Butylbenzene	50.0	52.2		ug/L		104	66 - 130
tert-Butylbenzene	50.0	50.1		ug/L		100	64 - 139
Carbon disulfide	50.0	54.1		ug/L		108	61 - 137
Carbon tetrachloride	50.0	59.1		ug/L		118	61 - 137
Chlorobenzene	50.0	52.2		ug/L		104	70 - 130
Chloroethane	25.0	13.0	*-	ug/L		52	55 - 141
Chloroform	50.0	50.7		ug/L		101	69 - 130
Chloromethane	25.0	25.7		ug/L		103	58 - 137
2-Chlorotoluene	50.0	45.8		ug/L		92	70 - 130
4-Chlorotoluene	50.0	47.8		ug/L		96	70 - 130
Dibromochloromethane	50.0	52.8		ug/L		106	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	64.6		ug/L		129	54 - 135
1,2-Dibromoethane	50.0	55.2		ug/L		110	70 - 130
Dibromomethane	50.0	55.0		ug/L		110	70 - 130
1,2-Dichlorobenzene	50.0	56.6		ug/L		113	67 - 130
1,3-Dichlorobenzene	50.0	58.1		ug/L		116	70 - 130
1,4-Dichlorobenzene	50.0	56.8		ug/L		114	70 - 130
trans-1,4-Dichloro-2-butene	50.0	52.9		ug/L		106	57 - 140
Dichlorodifluoromethane	25.0	26.0		ug/L		104	41 - 146

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: LCS 400-557293/1002

Matrix: Water

Analysis Batch: 557293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	52.9		ug/L		106	70 - 130
1,2-Dichloroethane	50.0	54.6		ug/L		109	69 - 130
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	68 - 130
trans-1,2-Dichloroethene	50.0	48.8		ug/L		98	70 - 130
1,1-Dichloroethene	50.0	45.3		ug/L		91	63 - 134
1,2-Dichloropropane	50.0	52.2		ug/L		104	70 - 130
1,3-Dichloropropane	50.0	45.9		ug/L		92	70 - 130
2,2-Dichloropropane	50.0	53.8		ug/L		108	52 - 135
1,1-Dichloropropene	50.0	50.3		ug/L		101	70 - 130
cis-1,3-Dichloropropene	50.0	53.1		ug/L		106	69 - 132
trans-1,3-Dichloropropene	50.0	44.1		ug/L		88	63 - 130
Ethylbenzene	50.0	47.9		ug/L		96	70 - 130
Hexachlorobutadiene	50.0	55.3		ug/L		111	53 - 140
2-Hexanone	200	249		ug/L		125	65 - 137
Iodomethane	50.0	42.7		ug/L		85	27 - 159
Isopropylbenzene	50.0	55.5		ug/L		111	70 - 130
p-Isopropyltoluene	50.0	53.4		ug/L		107	65 - 130
Methylene Chloride	50.0	58.0		ug/L		116	66 - 135
4-Methyl-2-pentanone (MIBK)	200	312	*+	ug/L		156	69 - 138
Methyl tert-butyl ether	50.0	53.4		ug/L		107	66 - 130
Naphthalene	50.0	56.4		ug/L		113	47 - 149
N-Propylbenzene	50.0	48.4		ug/L		97	70 - 130
Styrene	50.0	55.4		ug/L		111	70 - 130
1,1,1,2-Tetrachloroethane	50.0	53.0		ug/L		106	67 - 131
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/L		103	70 - 131
Tetrachloroethylene	50.0	50.3		ug/L		101	65 - 130
Toluene	50.0	43.3		ug/L		87	70 - 130
1,2,3-Trichlorobenzene	50.0	55.7		ug/L		111	60 - 138
1,2,4-Trichlorobenzene	50.0	56.3		ug/L		113	60 - 140
1,1,1-Trichloroethane	50.0	56.6		ug/L		113	68 - 130
1,1,2-Trichloroethane	50.0	44.6		ug/L		89	70 - 130
Trichloroethene	50.0	62.2		ug/L		124	70 - 130
Trichlorofluoromethane	25.0	25.6		ug/L		102	65 - 138
1,2,3-Trichloropropane	50.0	59.5		ug/L		119	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.1		ug/L		98	60 - 139
1,2,4-Trimethylbenzene	50.0	52.9		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	50.0	52.4		ug/L		105	69 - 130
Vinyl acetate	50.0	40.9		ug/L		82	26 - 160
Vinyl chloride	25.0	20.1		ug/L		80	59 - 136
o-Xylene	50.0	50.1		ug/L		100	70 - 130
m-Xylene & p-Xylene	50.0	49.0		ug/L		98	70 - 130
Xylenes, Total	100	99.1		ug/L		99	70 - 130

Surrogate	LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	88		72 - 119
Dibromofluoromethane	111		75 - 126
Toluene-d8 (Surr)	80		64 - 132

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: LCS 400-557293/1002

Matrix: Water

Analysis Batch: 557293

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		67 - 134

Lab Sample ID: 680-207493-1 MS

Matrix: Water

Analysis Batch: 557293

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	200	88.9		ug/L		44	43 - 150
Acrylonitrile	2.8	U	500	711		ug/L		142	62 - 149
Benzene	1.4		50.0	47.0		ug/L		91	56 - 142
Bromobenzene	0.54	U	50.0	49.1		ug/L		98	59 - 136
Bromochloromethane	0.21	U F1 *+	50.0	75.9	F1	ug/L		152	64 - 140
Bromodichloromethane	0.50	U	50.0	51.5		ug/L		103	59 - 143
Bromoform	0.25	U	50.0	54.6		ug/L		109	50 - 140
Bromomethane	0.98	U	25.0	28.6		ug/L		114	10 - 150
2-Butanone (MEK)	2.6	U	200	121		ug/L		61	55 - 150
n-Butylbenzene	0.76	U	50.0	38.8		ug/L		78	41 - 142
sec-Butylbenzene	0.70	U	50.0	44.1		ug/L		88	50 - 138
tert-Butylbenzene	0.63	U	50.0	42.8		ug/L		86	54 - 146
Carbon disulfide	0.50	U	50.0	59.2		ug/L		118	48 - 150
Carbon tetrachloride	0.19	U	50.0	48.5		ug/L		97	55 - 145
Chlorobenzene	79		50.0	129		ug/L		100	64 - 130
Chloroethane	8.1	*-	25.0	32.2		ug/L		96	50 - 150
Chloroform	0.60	U	50.0	44.6		ug/L		89	60 - 141
Chloromethane	0.32	U F1	25.0	37.9	F1	ug/L		151	49 - 148
2-Chlorotoluene	0.57	U	50.0	40.7		ug/L		81	53 - 134
4-Chlorotoluene	0.56	U	50.0	40.1		ug/L		80	54 - 133
Dibromochloromethane	0.24	U	50.0	43.8		ug/L		88	56 - 143
1,2-Dibromo-3-Chloropropane	1.5	U	50.0	52.0		ug/L		104	45 - 135
1,2-Dibromoethane	0.23	U	50.0	45.6		ug/L		91	64 - 132
Dibromomethane	0.22	U	50.0	51.1		ug/L		102	63 - 138
1,2-Dichlorobenzene	0.50	U	50.0	49.4		ug/L		99	52 - 137
1,3-Dichlorobenzene	0.54	U	50.0	49.4		ug/L		99	54 - 135
1,4-Dichlorobenzene	0.95	J	50.0	48.7		ug/L		96	53 - 135
trans-1,4-Dichloro-2-butene	1.0	U	50.0	42.8		ug/L		86	43 - 147
Dichlorodifluoromethane	0.85	U F1	25.0	41.9	F1	ug/L		167	16 - 150
1,1-Dichloroethane	0.50	U	50.0	43.0		ug/L		86	61 - 144
1,2-Dichloroethane	1.6		50.0	49.9		ug/L		97	60 - 141
cis-1,2-Dichloroethene	0.20	U	50.0	45.6		ug/L		91	59 - 143
trans-1,2-Dichloroethene	0.62	J	50.0	43.5		ug/L		86	61 - 143
1,1-Dichloroethene	0.50	U	50.0	46.4		ug/L		93	54 - 147
1,2-Dichloropropane	0.50	U	50.0	48.0		ug/L		96	66 - 137
1,3-Dichloropropane	0.50	U	50.0	37.6		ug/L		75	66 - 133
2,2-Dichloropropane	0.50	U	50.0	44.5		ug/L		89	42 - 144
1,1-Dichloropropene	0.50	U	50.0	43.0		ug/L		86	65 - 136
cis-1,3-Dichloropropene	0.50	U	50.0	48.9		ug/L		98	57 - 140
trans-1,3-Dichloropropene	0.20	U	50.0	33.9		ug/L		68	53 - 133
Ethylbenzene	0.50	U	50.0	43.5		ug/L		87	58 - 131

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: 680-207493-1 MS

Matrix: Water

Analysis Batch: 557293

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	0.90	U	50.0	43.8		ug/L		88	31 - 149
2-Hexanone	1.4	U	200	155		ug/L		78	65 - 140
Iodomethane	0.90	U	50.0	49.3		ug/L		99	20 - 150
Isopropylbenzene	0.53	U	50.0	53.3		ug/L		107	56 - 133
p-Isopropyltoluene	0.71	U	50.0	44.9		ug/L		90	48 - 139
Methylene Chloride	3.0	U	50.0	64.0		ug/L		128	60 - 146
4-Methyl-2-pentanone (MIBK)	1.8	U F1 *+	200	337	F1	ug/L		169	63 - 146
Methyl tert-butyl ether	0.22	U	50.0	45.8		ug/L		92	59 - 137
Naphthalene	2.7		50.0	47.5		ug/L		90	25 - 150
N-Propylbenzene	0.69	U	50.0	40.5		ug/L		81	51 - 138
Styrene	1.0	U	50.0	53.1		ug/L		106	58 - 131
1,1,1,2-Tetrachloroethane	0.16	U	50.0	46.3		ug/L		93	59 - 137
1,1,2,2-Tetrachloroethane	0.50	U	50.0	45.5		ug/L		91	66 - 135
Tetrachloroethylene	0.12	U	50.0	40.0		ug/L		80	52 - 133
Toluene	1.5		50.0	38.0		ug/L		73	65 - 130
1,2,3-Trichlorobenzene	0.19	U	50.0	44.5		ug/L		89	43 - 145
1,2,4-Trichlorobenzene	0.82	U	50.0	44.7		ug/L		89	39 - 148
1,1,1-Trichloroethane	0.18	U	50.0	48.8		ug/L		98	57 - 142
1,1,2-Trichloroethane	0.21	U	50.0	37.7		ug/L		75	66 - 131
Trichloroethene	0.15	U	50.0	55.3		ug/L		111	64 - 136
Trichlorofluoromethane	0.52	U F1	25.0	36.2		ug/L		145	54 - 150
1,2,3-Trichloropropane	0.84	U	50.0	50.3		ug/L		101	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	50.0	41.5		ug/L		83	55 - 150
1,2,4-Trimethylbenzene	0.82	U	50.0	44.6		ug/L		89	50 - 139
1,3,5-Trimethylbenzene	0.56	U	50.0	44.7		ug/L		89	52 - 135
Vinyl acetate	0.93	U	50.0	41.9		ug/L		84	26 - 150
Vinyl chloride	0.50	U	25.0	28.3		ug/L		113	46 - 150
o-Xylene	0.60	U	50.0	47.2		ug/L		94	61 - 130
m-Xylene & p-Xylene	0.63	U	50.0	45.7		ug/L		91	57 - 130
Xylenes, Total	1.6	U	100	92.9		ug/L		93	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	85		72 - 119
Dibromofluoromethane	102		75 - 126
Toluene-d8 (Surr)	73		64 - 132
1,2-Dichloroethane-d4 (Surr)	98		67 - 134

Lab Sample ID: 680-207493-1 MSD

Matrix: Water

Analysis Batch: 557293

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	200	93.5		ug/L		47	43 - 150	5	30
Acrylonitrile	2.8	U	500	743		ug/L		149	62 - 149	4	30
Benzene	1.4		50.0	54.0		ug/L		105	56 - 142	14	30
Bromobenzene	0.54	U	50.0	56.8		ug/L		114	59 - 136	14	30
Bromochloromethane	0.21	U F1 *+	50.0	82.7	F1	ug/L		165	64 - 140	9	30
Bromodichloromethane	0.50	U	50.0	58.7		ug/L		117	59 - 143	13	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: 680-207493-1 MSD

Matrix: Water

Analysis Batch: 557293

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	0.25	U	50.0	64.0		ug/L		128	50 - 140	16	30
Bromomethane	0.98	U	25.0	31.8		ug/L		127	10 - 150	10	50
2-Butanone (MEK)	2.6	U	200	132		ug/L		66	55 - 150	8	30
n-Butylbenzene	0.76	U	50.0	46.4		ug/L		93	41 - 142	18	31
sec-Butylbenzene	0.70	U	50.0	52.5		ug/L		105	50 - 138	17	30
tert-Butylbenzene	0.63	U	50.0	47.2		ug/L		94	54 - 146	10	30
Carbon disulfide	0.50	U	50.0	66.2		ug/L		132	48 - 150	11	30
Carbon tetrachloride	0.19	U	50.0	56.9		ug/L		114	55 - 145	16	30
Chlorobenzene	79		50.0	136		ug/L		114	64 - 130	5	30
Chloroethane	8.1	*	25.0	37.5		ug/L		117	50 - 150	15	30
Chloroform	0.60	U	50.0	49.6		ug/L		99	60 - 141	11	30
Chloromethane	0.32	U F1	25.0	44.3	F1	ug/L		177	49 - 148	16	31
2-Chlorotoluene	0.57	U	50.0	46.6		ug/L		93	53 - 134	14	30
4-Chlorotoluene	0.56	U	50.0	47.2		ug/L		94	54 - 133	16	30
Dibromochloromethane	0.24	U	50.0	49.4		ug/L		99	56 - 143	12	30
1,2-Dibromo-3-Chloropropane	1.5	U	50.0	55.6		ug/L		111	45 - 135	7	30
1,2-Dibromoethane	0.23	U	50.0	52.2		ug/L		104	64 - 132	14	30
Dibromomethane	0.22	U	50.0	57.3		ug/L		115	63 - 138	11	30
1,2-Dichlorobenzene	0.50	U	50.0	56.5		ug/L		113	52 - 137	13	30
1,3-Dichlorobenzene	0.54	U	50.0	57.1		ug/L		114	54 - 135	15	30
1,4-Dichlorobenzene	0.95	J	50.0	56.0		ug/L		110	53 - 135	14	30
trans-1,4-Dichloro-2-butene	1.0	U	50.0	46.0		ug/L		92	43 - 147	7	36
Dichlorodifluoromethane	0.85	U F1	25.0	50.8	F1	ug/L		203	16 - 150	19	31
1,1-Dichloroethane	0.50	U	50.0	48.9		ug/L		98	61 - 144	13	30
1,2-Dichloroethane	1.6		50.0	53.7		ug/L		104	60 - 141	7	30
cis-1,2-Dichloroethene	0.20	U	50.0	50.7		ug/L		101	59 - 143	11	30
trans-1,2-Dichloroethene	0.62	J	50.0	48.8		ug/L		96	61 - 143	11	30
1,1-Dichloroethene	0.50	U	50.0	52.7		ug/L		105	54 - 147	13	30
1,2-Dichloropropane	0.50	U	50.0	54.9		ug/L		110	66 - 137	13	30
1,3-Dichloropropane	0.50	U	50.0	43.1		ug/L		86	66 - 133	13	30
2,2-Dichloropropane	0.50	U	50.0	51.5		ug/L		103	42 - 144	15	31
1,1-Dichloropropene	0.50	U	50.0	49.8		ug/L		100	65 - 136	15	30
cis-1,3-Dichloropropene	0.50	U	50.0	55.2		ug/L		110	57 - 140	12	30
trans-1,3-Dichloropropene	0.20	U	50.0	39.1		ug/L		78	53 - 133	14	30
Ethylbenzene	0.50	U	50.0	49.8		ug/L		100	58 - 131	14	30
Hexachlorobutadiene	0.90	U	50.0	51.6		ug/L		103	31 - 149	16	36
2-Hexanone	1.4	U	200	160		ug/L		80	65 - 140	3	30
Iodomethane	0.90	U	50.0	63.8		ug/L		128	20 - 150	26	44
Isopropylbenzene	0.53	U	50.0	61.0		ug/L		122	56 - 133	14	30
p-Isopropyltoluene	0.71	U	50.0	52.5		ug/L		105	48 - 139	16	30
Methylene Chloride	3.0	U	50.0	71.1		ug/L		142	60 - 146	10	32
4-Methyl-2-pentanone (MIBK)	1.8	U F1 *+	200	355	F1	ug/L		178	63 - 146	5	30
Methyl tert-butyl ether	0.22	U	50.0	50.3		ug/L		101	59 - 137	9	30
Naphthalene	2.7		50.0	56.8		ug/L		108	25 - 150	18	30
N-Propylbenzene	0.69	U	50.0	47.6		ug/L		95	51 - 138	16	30
Styrene	1.0	U	50.0	60.0		ug/L		120	58 - 131	12	30
1,1,1,2-Tetrachloroethane	0.16	U	50.0	52.6		ug/L		105	59 - 137	13	30
1,1,2,2-Tetrachloroethane	0.50	U	50.0	50.5		ug/L		101	66 - 135	10	30
Tetrachloroethylene	0.12	U	50.0	46.5		ug/L		93	52 - 133	15	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: 680-207493-1 MSD

Matrix: Water

Analysis Batch: 557293

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	1.5		50.0	43.1		ug/L		83	65 - 130	13	30
1,2,3-Trichlorobenzene	0.19	U	50.0	54.8		ug/L		110	43 - 145	21	30
1,2,4-Trichlorobenzene	0.82	U	50.0	53.3		ug/L		107	39 - 148	17	30
1,1,1-Trichloroethane	0.18	U	50.0	54.6		ug/L		109	57 - 142	11	30
1,1,2-Trichloroethane	0.21	U	50.0	41.4		ug/L		83	66 - 131	9	30
Trichloroethene	0.15	U	50.0	62.9		ug/L		126	64 - 136	13	30
Trichlorofluoromethane	0.52	U F1	25.0	42.1	F1	ug/L		168	54 - 150	15	30
1,2,3-Trichloropropane	0.84	U	50.0	56.9		ug/L		114	65 - 133	12	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	50.0	46.8		ug/L		94	55 - 150	12	30
1,2,4-Trimethylbenzene	0.82	U	50.0	51.8		ug/L		104	50 - 139	15	30
1,3,5-Trimethylbenzene	0.56	U	50.0	52.9		ug/L		106	52 - 135	17	30
Vinyl acetate	0.93	U	50.0	53.3		ug/L		107	26 - 150	24	33
Vinyl chloride	0.50	U	25.0	37.5		ug/L		150	46 - 150	28	30
o-Xylene	0.60	U	50.0	54.6		ug/L		109	61 - 130	15	30
m-Xylene & p-Xylene	0.63	U	50.0	51.4		ug/L		103	57 - 130	12	30
Xylenes, Total	1.6	U	100	106		ug/L		106	59 - 130	13	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	88		72 - 119
Dibromofluoromethane	102		75 - 126
Toluene-d8 (Surr)	73		64 - 132
1,2-Dichloroethane-d4 (Surr)	95		67 - 134

Lab Sample ID: MB 400-557345/4

Matrix: Water

Analysis Batch: 557345

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.76	U	1.0	0.76	ug/L			11/26/21 09:14	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/26/21 09:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119		11/26/21 09:14	1
Dibromofluoromethane	102		75 - 126		11/26/21 09:14	1
Toluene-d8 (Surr)	97		64 - 132		11/26/21 09:14	1
1,2-Dichloroethane-d4 (Surr)	102		67 - 134		11/26/21 09:14	1

Lab Sample ID: LCS 400-557345/1002

Matrix: Water

Analysis Batch: 557345

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	50.0	41.3		ug/L		83	55 - 141
Trichloroethene	50.0	48.6		ug/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	88		72 - 119

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

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

Lab Sample ID: LCS 400-557345/1002

Matrix: Water

Analysis Batch: 557345

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane	98		75 - 126
Toluene-d8 (Surr)	99		64 - 132
1,2-Dichloroethane-d4 (Surr)	98		67 - 134

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

Lab Sample ID: 680-207493-1 MS

Matrix: Water

Analysis Batch: 557345

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane - RA	3.9	H	50.0	38.5	H	ug/L		69	50 - 150
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene - RA	85		72 - 119						
Dibromofluoromethane - RA	96		75 - 126						
Toluene-d8 (Surr) - RA	98		64 - 132						
1,2-Dichloroethane-d4 (Surr) - RA	94		67 - 134						

Lab Sample ID: 680-207493-1 MSD

Matrix: Water

Analysis Batch: 557345

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane - RA	3.9	H	50.0	49.6	H	ug/L		91	50 - 150	25	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene - RA	89		72 - 119								
Dibromofluoromethane - RA	101		75 - 126								
Toluene-d8 (Surr) - RA	98		64 - 132								
1,2-Dichloroethane-d4 (Surr) - RA	98		67 - 134								

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-695366/8

Matrix: Water

Analysis Batch: 695366

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.57	U	0.58	0.57	ug/L			11/19/21 12:27	1
Ethane	0.30	U	1.1	0.30	ug/L			11/19/21 12:27	1
Ethene	0.31	U	1.0	0.31	ug/L			11/19/21 12:27	1

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCS 680-695366/1003

Matrix: Water

Analysis Batch: 695366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	1920	1660		ug/L		86	75 - 125

Lab Sample ID: LCS 680-695366/6

Matrix: Water

Analysis Batch: 695366

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	154	132		ug/L		86	75 - 125
Ethane	288	230		ug/L		80	75 - 125
Ethene	269	211		ug/L		78	75 - 125

Lab Sample ID: LCSD 680-695366/4

Matrix: Water

Analysis Batch: 695366

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
Methane (TCD)	1920	1630		ug/L		85	75 - 125	2	30

Lab Sample ID: LCSD 680-695366/7

Matrix: Water

Analysis Batch: 695366

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
Methane	154	127		ug/L		83	75 - 125	4	30
Ethane	288	221		ug/L		77	75 - 125	4	30
Ethene	269	202		ug/L		75	75 - 125	4	30

Lab Sample ID: 680-207493-1 MS

Matrix: Water

Analysis Batch: 695366

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	33		288	265		ug/L		80	75 - 125
Ethene	7.6		269	217		ug/L		78	75 - 125

Lab Sample ID: 680-207493-1 MSD

Matrix: Water

Analysis Batch: 695366

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	33		288	255		ug/L		77	75 - 125	4	30
Ethene	7.6		269	211		ug/L		76	75 - 125	3	30

Lab Sample ID: MB 680-695633/8

Matrix: Water

Analysis Batch: 695633

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.57	U	0.58	0.57	ug/L			11/22/21 11:31	1
Ethane	0.30	U	1.1	0.30	ug/L			11/22/21 11:31	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: MB 680-695633/8

Matrix: Water

Analysis Batch: 695633

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethene	0.31	U	1.0	0.31	ug/L			11/22/21 11:31	1
Methane (TCD)	59	U	390	59	ug/L			11/22/21 11:31	1

Lab Sample ID: LCS 680-695633/3

Matrix: Water

Analysis Batch: 695633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	1920	1840		ug/L		96	75 - 125

Lab Sample ID: LCS 680-695633/6

Matrix: Water

Analysis Batch: 695633

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	154	156		ug/L		102	75 - 125
Ethane	288	299		ug/L		104	75 - 125
Ethene	269	271		ug/L		101	75 - 125

Lab Sample ID: LCSD 680-695633/4

Matrix: Water

Analysis Batch: 695633

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
Methane (TCD)	1920	1860		ug/L		97	75 - 125	1	30

Lab Sample ID: LCSD 680-695633/7

Matrix: Water

Analysis Batch: 695633

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
Methane	154	143		ug/L		93	75 - 125	9	30
Ethane	288	273		ug/L		95	75 - 125	9	30
Ethene	269	248		ug/L		92	75 - 125	9	30

Lab Sample ID: 680-207493-1 MS

Matrix: Water

Analysis Batch: 695633

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	50000		3850	46200	4	ug/L		-100	75 - 125

Lab Sample ID: 680-207493-1 MSD

Matrix: Water

Analysis Batch: 695633

Client Sample ID: OLF-G72 Port 1

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)	50000		3850	44500	4	ug/L		-144	75 - 125	4	30

Eurofins TestAmerica, Savannah

QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

GC/MS VOA

Analysis Batch: 557019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207493-7	OLF-G71 Port 1	Total/NA	Water	8260D	
680-207493-8	OLF-G71 Port 2	Total/NA	Water	8260D	
680-207493-9	OLF-G71 Port 3	Total/NA	Water	8260D	
680-207493-10	OLF-G71 Port 4	Total/NA	Water	8260D	
680-207493-11	OLF-G71 Port 5	Total/NA	Water	8260D	
680-207493-12	OLF-G74 Port 1	Total/NA	Water	8260D	
680-207493-13	OLF-G74 Port 2	Total/NA	Water	8260D	
680-207493-14	OLF-G74 Port 3	Total/NA	Water	8260D	
680-207493-15	OLF-G74 Port 4	Total/NA	Water	8260D	
MB 400-557019/4	Method Blank	Total/NA	Water	8260D	
LCS 400-557019/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 557165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207493-7 - RA	OLF-G71 Port 1	Total/NA	Water	8260D	
680-207493-8 - RA	OLF-G71 Port 2	Total/NA	Water	8260D	
680-207493-9 - RA	OLF-G71 Port 3	Total/NA	Water	8260D	
680-207493-10 - RA	OLF-G71 Port 4	Total/NA	Water	8260D	
680-207493-11 - RA	OLF-G71 Port 5	Total/NA	Water	8260D	
680-207493-12 - RA	OLF-G74 Port 1	Total/NA	Water	8260D	
680-207493-13 - RA	OLF-G74 Port 2	Total/NA	Water	8260D	
680-207493-14 - RA	OLF-G74 Port 3	Total/NA	Water	8260D	
680-207493-15 - RA	OLF-G74 Port 4	Total/NA	Water	8260D	
680-207493-16	OLF-G74 Port 5	Total/NA	Water	8260D	
680-207493-22	DUP 384	Total/NA	Water	8260D	
MB 400-557165/4	Method Blank	Total/NA	Water	8260D	
LCS 400-557165/1002	Lab Control Sample	Total/NA	Water	8260D	
680-207493-16 MS	OLF-G74 Port 5	Total/NA	Water	8260D	
680-207493-16 MSD	OLF-G74 Port 5	Total/NA	Water	8260D	

Analysis Batch: 557168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207493-22 - RA	DUP 384	Total/NA	Water	8260D	
MB 400-557168/4	Method Blank	Total/NA	Water	8260D	
LCS 400-557168/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 557293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207493-1	OLF-G72 Port 1	Total/NA	Water	8260D	
680-207493-2	OLF-G72 Port 2	Total/NA	Water	8260D	
680-207493-3	OLF-G72 Port 3	Total/NA	Water	8260D	
680-207493-4	OLF-G72 Port 4	Total/NA	Water	8260D	
680-207493-5	OLF-G72 Port 5	Total/NA	Water	8260D	
680-207493-6	OLF-G72 Port 6	Total/NA	Water	8260D	
680-207493-17	OLF-G73 Port 1	Total/NA	Water	8260D	
680-207493-18	OLF-G73 Port 2	Total/NA	Water	8260D	
680-207493-19	OLF-G73 Port 3	Total/NA	Water	8260D	
680-207493-20	OLF-G73 Port 4	Total/NA	Water	8260D	
680-207493-21	OLF-G73 Port 5	Total/NA	Water	8260D	
680-207493-23	DUP 385	Total/NA	Water	8260D	
680-207493-24	TB 584	Total/NA	Water	8260D	

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QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

GC/MS VOA (Continued)

Analysis Batch: 557293 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-557293/4	Method Blank	Total/NA	Water	8260D	
LCS 400-557293/1002	Lab Control Sample	Total/NA	Water	8260D	
680-207493-1 MS	OLF-G72 Port 1	Total/NA	Water	8260D	
680-207493-1 MSD	OLF-G72 Port 1	Total/NA	Water	8260D	

Analysis Batch: 557345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207493-1 - RA	OLF-G72 Port 1	Total/NA	Water	8260D	
680-207493-2 - RA	OLF-G72 Port 2	Total/NA	Water	8260D	
680-207493-3 - RA	OLF-G72 Port 3	Total/NA	Water	8260D	
680-207493-4 - RA	OLF-G72 Port 4	Total/NA	Water	8260D	
680-207493-5 - RA	OLF-G72 Port 5	Total/NA	Water	8260D	
680-207493-6 - RA	OLF-G72 Port 6	Total/NA	Water	8260D	
680-207493-17 - RA	OLF-G73 Port 1	Total/NA	Water	8260D	
680-207493-18 - RA	OLF-G73 Port 2	Total/NA	Water	8260D	
680-207493-19 - RA	OLF-G73 Port 3	Total/NA	Water	8260D	
680-207493-20 - RA	OLF-G73 Port 4	Total/NA	Water	8260D	
680-207493-23 - RA	DUP 385	Total/NA	Water	8260D	
MB 400-557345/4	Method Blank	Total/NA	Water	8260D	
LCS 400-557345/1002	Lab Control Sample	Total/NA	Water	8260D	
680-207493-1 MS - RA	OLF-G72 Port 1	Total/NA	Water	8260D	
680-207493-1 MSD - RA	OLF-G72 Port 1	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 695366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207493-1	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-207493-2	OLF-G72 Port 2	Total/NA	Water	RSK-175	
680-207493-3	OLF-G72 Port 3	Total/NA	Water	RSK-175	
680-207493-4	OLF-G72 Port 4	Total/NA	Water	RSK-175	
680-207493-5	OLF-G72 Port 5	Total/NA	Water	RSK-175	
680-207493-6	OLF-G72 Port 6	Total/NA	Water	RSK-175	
680-207493-17	OLF-G73 Port 1	Total/NA	Water	RSK-175	
680-207493-18	OLF-G73 Port 2	Total/NA	Water	RSK-175	
680-207493-19	OLF-G73 Port 3	Total/NA	Water	RSK-175	
680-207493-20	OLF-G73 Port 4	Total/NA	Water	RSK-175	
680-207493-21	OLF-G73 Port 5	Total/NA	Water	RSK-175	
680-207493-23	DUP 385	Total/NA	Water	RSK-175	
MB 680-695366/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-695366/1003	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-695366/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-695366/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-695366/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-207493-1 MS	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-207493-1 MSD	OLF-G72 Port 1	Total/NA	Water	RSK-175	

Analysis Batch: 695633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207493-1	OLF-G72 Port 1	Total/NA	Water	RSK-175	
MB 680-695633/8	Method Blank	Total/NA	Water	RSK-175	

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QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

GC VOA (Continued)

Analysis Batch: 695633 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-695633/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-695633/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-695633/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-695633/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-207493-1 MS	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-207493-1 MSD	OLF-G72 Port 1	Total/NA	Water	RSK-175	

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-207493-1

Date Collected: 11/11/21 10:00

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 16:56	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 10:49	WPD	TAL PEN
		Instrument ID: Rosalind								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 14:47	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	RSK-175		20	17 mL	17 mL	695633	11/22/21 11:51	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-207493-2

Date Collected: 11/11/21 10:30

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 18:38	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 13:33	WPD	TAL PEN
		Instrument ID: Rosalind								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 13:17	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-207493-3

Date Collected: 11/11/21 10:50

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 19:04	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 14:00	WPD	TAL PEN
		Instrument ID: Rosalind								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 13:30	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-207493-4

Date Collected: 11/11/21 11:15

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 19:30	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 14:24	WPD	TAL PEN
		Instrument ID: Rosalind								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 13:42	JCK	TAL SAV
		Instrument ID: CVGU								

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Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-207493-5

Date Collected: 11/11/21 11:35

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 19:56	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 14:47	WPD	TAL PEN
		Instrument ID: Rosalind								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 13:55	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-207493-6

Date Collected: 11/11/21 12:00

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 20:23	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 15:12	WPD	TAL PEN
		Instrument ID: Rosalind								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 14:08	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-207493-7

Date Collected: 11/10/21 14:50

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 09:41	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 17:46	BEP	TAL PEN
		Instrument ID: Rosalind								

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-207493-8

Date Collected: 11/10/21 15:05

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 10:05	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 18:13	BEP	TAL PEN
		Instrument ID: Rosalind								

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-207493-9

Date Collected: 11/10/21 15:20

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 10:29	WPD	TAL PEN
		Instrument ID: CH_CONAN								

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-207493-9

Date Collected: 11/10/21 15:20

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 18:41	BEP	TAL PEN

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-207493-10

Date Collected: 11/10/21 15:40

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 10:54	WPD	TAL PEN
Instrument ID: CH_CONAN										
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 19:08	BEP	TAL PEN
Instrument ID: Rosalind										

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-207493-11

Date Collected: 11/10/21 15:50

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 12:07	WPD	TAL PEN
Instrument ID: CH_CONAN										
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 19:35	BEP	TAL PEN
Instrument ID: Rosalind										

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-207493-12

Date Collected: 11/10/21 11:00

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 12:32	WPD	TAL PEN
Instrument ID: CH_CONAN										
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 20:02	BEP	TAL PEN
Instrument ID: Rosalind										

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-207493-13

Date Collected: 11/10/21 11:20

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 12:56	WPD	TAL PEN
Instrument ID: CH_CONAN										
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 20:29	BEP	TAL PEN
Instrument ID: Rosalind										

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-207493-14

Date Collected: 11/10/21 11:35

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 13:22	WPD	TAL PEN
Instrument ID: CH_CONAN										
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 20:57	BEP	TAL PEN
Instrument ID: Rosalind										

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-207493-15

Date Collected: 11/10/21 11:55

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557165	11/24/21 13:47	WPD	TAL PEN
Instrument ID: CH_CONAN										
Total/NA	Analysis	8260D		1	5 mL	5 mL	557019	11/23/21 21:24	BEP	TAL PEN
Instrument ID: Rosalind										

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-207493-16

Date Collected: 11/10/21 12:20

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557165	11/24/21 11:43	WPD	TAL PEN
Instrument ID: CH_CONAN										

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-207493-17

Date Collected: 11/12/21 10:10

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 21:15	WPD	TAL PEN
Instrument ID: CH_CONAN										
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 15:37	WPD	TAL PEN
Instrument ID: Rosalind										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 14:21	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-207493-18

Date Collected: 11/12/21 10:30

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 21:41	WPD	TAL PEN
Instrument ID: CH_CONAN										
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 16:04	WPD	TAL PEN
Instrument ID: Rosalind										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 14:34	JCK	TAL SAV
Instrument ID: CVGU										

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-207493-19

Date Collected: 11/12/21 10:50

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 22:07	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 16:32	WPD	TAL PEN
		Instrument ID: Rosalind								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 15:59	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-207493-20

Date Collected: 11/12/21 11:10

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 22:33	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 16:59	WPD	TAL PEN
		Instrument ID: Rosalind								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 16:12	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-207493-21

Date Collected: 11/12/21 11:30

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 22:59	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 16:25	JCK	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: DUP 384

Lab Sample ID: 680-207493-22

Date Collected: 11/10/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557165	11/24/21 11:18	WPD	TAL PEN
		Instrument ID: CH_CONAN								
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557168	11/24/21 12:23	WPD	TAL PEN
		Instrument ID: Rosalind								

Client Sample ID: DUP 385

Lab Sample ID: 680-207493-23

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 20:49	WPD	TAL PEN
		Instrument ID: CH_CONAN								

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Client Sample ID: DUP 385

Lab Sample ID: 680-207493-23

Date Collected: 11/11/21 00:00

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	RA	1	5 mL	5 mL	557345	11/26/21 17:26	WPD	TAL PEN
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	695366	11/19/21 16:38	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: TB 584

Lab Sample ID: 680-207493-24

Date Collected: 11/12/21 15:00

Matrix: Water

Date Received: 11/13/21 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557293	11/24/21 23:25	WPD	TAL PEN
Instrument ID: CH_CONAN										

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-22

Laboratory: Eurofins TestAmerica, Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	11-30-21
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
Washington	State	C915	05-15-22
West Virginia DEP	State	136	12-31-21

Method Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207493-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL PEN
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
5030C	Purge and Trap	SW846	TAL PEN

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175,
Rev. 0, 8/11/94, USEPA Research Lab
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001
TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

COC # 6475

Laboratory TestAmerica

Lab Contact Jon Lawhon; Amy Ragnaldsen

MES Contact Betty Van Pelt

MES Phone 801-699-1246

Project Parcel 80(6), Landfill 3

Task # 21.094.22-05.2.500

Lab contract:

Cooler ID

Page

1 of 2

Analysis

Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD	Date Collected	Sample Time	SW8260B - VOC 3-40 mL vials, HCl	RSK-175 - M,E,E 3-40 mL vials, HCl	SW9060A - TOC 3-40 mL amber vials, H2SO4	SW8260B - VOC TB 2-40 mL vials, HCl
DLF-G72 Port 1	NS	MW	Water	Grab	X	11/11/21	1000	X	X		
DLF-G72 Port 2	NS	MW	Water	Grab		11/11/21	1030	X	X		
DLF-G72 Port 3	NS	MW	Water	Grab		11/11/21	1050	X	X		
DLF-G72 Port 4	NS	MW	Water	Grab		11/11/21	1115	X	X		
DLF-G72 Port 5	NS	MW	Water	Grab		11/11/21	1135	X	X		
DLF-G72 Port 6	NS	MW	Water	Grab		11/11/21	1200	X	X		
DLF-G71 Port 1	NS	MW	Water	Grab		11/10/21	1450	X			
DLF-G71 Port 2	NS	MW	Water	Grab		11/10/21	1505	X			
DLF-G71 Port 3	NS	MW	Water	Grab		11/10/21	1520	X			
DLF-G71 Port 4	NS	MW	Water	Grab		11/10/21	1540	X			
DLF-G71 Port 5	NS	MW	Water	Grab		11/10/21	1550	X			
DLF-G74 Port 1	NS	MW	Water	Grab		11/10/21	1100	X			
DLF-G74 Port 2	NS	MW	Water	Grab		11/10/21	1120	X			
DLF-G74 Port 3	NS	MW	Water	Grab		11/10/21	1135	X			
DLF-G74 Port 4	NS	MW	Water	Grab		11/10/21	1155	X			
DLF-G74 Port 5	NS	MW	Water	Grab		11/10/21	1220	X			
DLF-G73 Port 1	NS	MW	Water	Grab		11/12/21	1010	X	X		
DLF-G73 Port 2	NS	MW	Water	Grab		11/12/21	1030	X	X		

NOTES:

QC Code: NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
 Station Type: MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
 Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = peristaltic pump, PP = peristaltic pump, SU = submersible pump
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt

See Task Order 093 for required list of VOCs and metals.

COMMENTS:

Relinquished by (Signature):

Date/Time:

11/12/21 16:00

Received by (Signature):

fedEX

Double the number of bottles for MS/MSD

Relinquished by (Signature):



680-207493 Chain of Custody

Received by (Signature):

DLA 11-13-21 920
04/05

6475 cooler 1 of 1

Lab contract:

[illegible]NOTES:

See Task Order 093 for required list of VOCs and metals.

Date/Time:

FedEx

Date/Time:

100-11-13-21 520

Chain of Custody Record

Environment Testing
America

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:					
Client Contact: Shipping/Receiving		Phone:	Savoie, Noel		680-133948.1					
Company: TestAmerica Laboratories, Inc.		E-Mail:	Noel.Savoie@Eurofins.com	State of Origin: Alabama	Page: Page 1 of 3					
Address: 3355 McLeMORE Drive,		Accreditations Required (See note): NELAP - Florida								
City: Pensacola		Due Date Requested: 11/23/2021								
State, Zip: FL, 32514		TAT Requested (days):								
Phone: 850-474-1001(Tel) 850-478-2671(Fax)		PO #:	Analysis Requested							
Email:		WO #:	Preservation Codes:							
Project Name: Parcel 80(6), Landfill 3		Project #: 68019843	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:							
Site:		SSOW#:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/503C Volatile Organic Compounds	Total Number of Containers	Special Instructions/Note:
OLF-G72 Port 1 (680-207493-1)		11/11/21	10:00 Central		Water		X	X	3	
OLF-G72 Port 1 (680-207493-1MS)		11/11/21	10:00 Central	MS	Water		X	X	2	
OLF-G72 Port 1 (680-207493-1MSD)		11/11/21	10:00 Central	MSD	Water		X	X	2	
OLF-G72 Port 2 (680-207493-2)		11/11/21	10:30 Central		Water		X	X	3	
OLF-G72 Port 3 (680-207493-3)		11/11/21	10:50 Central		Water		X	X	3	
OLF-G72 Port 4 (680-207493-4)		11/11/21	11:15 Central		Water		X	X	3	
OLF-G72 Port 5 (680-207493-5)		11/11/21	11:35 Central		Water		X	X	3	
OLF-G72 Port 6 (680-207493-6)		11/11/21	12:00 Central		Water		X	X	3	
OLF-G71 Port 1 (680-207493-7)		11/10/21	14:50 Central		Water		X	X	3	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.										
Possible Hazard Identification										
Unconfirmed										
Deliverable Requested: I, II, III, IV, Other (specify)										
Primary Deliverable Rank: 2										
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months										
Special Instructions/QC Requirements:										
Empty Kit Relinquished by:										
Relinquished by:										
Relinquished by:										
Relinquished by:										
Custody Seals Intact: ☐ Yes ☐ No										
Custody Seal No.:										
Cooler Temperature(s) °C and Other Remarks:										
100 IR 9										

Chain of Custody Record

Environment Testing
America

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:				
Client Contact:		Savoie, Noel			660-133948.2				
Shipping/Receiving		E-Mail:	State of Origin:	Page:					
Company:		Noel.Savoie@Eurofinset.com	Alabama	Page 2 of 3					
Address:		Accreditations Required (See note):							
3355 McLemore Drive,		NELAP - Florida							
City:	Pensacola								
State, Zip:	FL, 32514								
Phone:	850-474-1001(Tel) 850-478-2671(Fax)								
Email:									
Project Name:	Parcel 80(6), Landfill 3								
Site:									
Due Date Requested:		Analysis Requested							
11/23/2021									
TAT Requested (days):									
PO #:									
WO #:									
Project #:	68019843								
SSOW#:									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (H=Water, S=solid, O=soil, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030C Volatile Organic Compounds	Total Number of Containers	Special Instructions/Note:
OLF-G71 Port 2 (680-207493-8)	11/10/21	15:05 Central		Water		X		3	
OLF-G71 Port 3 (680-207493-9)	11/10/21	15:20 Central		Water		X		3	
OLF-G71 Port 4 (680-207493-10)	11/10/21	15:40 Central		Water		X		3	
OLF-G71 Port 5 (680-207493-11)	11/10/21	15:50 Central		Water		X		3	
OLF-G74 Port 1 (680-207493-12)	11/10/21	11:00 Central		Water		X		3	
OLF-G74 Port 2 (680-207493-13)	11/10/21	11:20 Central		Water		X		3	
OLF-G74 Port 3 (680-207493-14)	11/10/21	11:35 Central		Water		X		3	
OLF-G74 Port 4 (680-207493-15)	11/10/21	11:55 Central		Water		X		3	
OLF-G74 Port 5 (680-207493-16)	11/10/21	12:20 Central		Water		X		3	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.									
Possible Hazard Identification									
Unconfirmed									
Deliverable Requested: I, II, III, IV, Other (specify)									
Primary Deliverable Rank: 2									
Empty Kit Relinquished by:									
Relinquished by:									
Relinquished by:									
Relinquished by:									
Custody Seals Intact:									
Custody Seal No.:									

Chain of Custody Record

Client Information (Sub Contract Lab)		Sampler:	Lab PM:	Carrier Tracking No(s):	COC No:					
Client Contact:		Phone:	Savoie, Noel		660-133948.3					
Shipping/Receiving		E-Mail:	Noel.Savoie@Eurofinset.com	State of Origin:	Page: 3 of 3					
Company:		Accreditations Required (See note):								
TestAmerica Laboratories, Inc.		NELAP - Florida								
Address:		Due Date Requested:	Preservation Codes:							
3355 McLeome Drive,		11/23/2021	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:							
City:		TAT Requested (days):	Analysis Requested							
Pensacola										
State, Zip:										
FL, 32514										
Phone:		PO #:								
850-474-1001(Tel) 850-478-2671(Fax)										
Email:		WO #:								
Project Name:		Project #:								
Parcel 80(6), Landfill 3		68019843								
Site:		SSOW#:								
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Organic, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/503C Volatile Organic Compounds	Total Number of Containers	Special Instructions/Note:
OLF-G73 Port 1 (680-207493-17)	11/12/21	10:10 Central		Water		X		3		
OLF-G73 Port 2 (680-207493-18)	11/12/21	10:30 Central		Water		X		3		
OLF-G73 Port 3 (680-207493-19)	11/12/21	10:50 Central		Water		X		3		
OLF-G73 Port 4 (680-207493-20)	11/12/21	11:10 Central		Water		X		3		
OLF-G73 Port 5 (680-207493-21)	11/12/21	11:30 Central		Water		X		3		
DUP 384 (680-207493-22)	11/10/21	Central		Water		X		2		
DUP 385 (680-207493-23)	11/11/21	Central		Water		X		2		
TB 584 (680-207493-24)	11/12/21	15:00 Central		Water		X		2		
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.										
Possible Hazard Identification										
Unconfirmed										
Deliverable Requested: I, II, III, IV, Other (specify)										
Primary Deliverable Rank: 2										
Empty Kit Relinquished by:										
Date/Time: 11-21-21 17:00										
Relinquished by: [Signature]										
Date/Time: 11-23-21 10:30										
Relinquished by: [Signature]										
Date/Time: 11-23-21 10:30										
Relinquished by: [Signature]										
Date/Time: 11-23-21 10:30										
Custody Seals Intact: ☐ Yes ☒ No										
Custody Seal No.:										
Cooler Temperature(s) °C and Other Remarks:										

Chain of Custody Record

Client Information (Sub Contract Lab)				Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact				Savoie, Noel		680-675067.1
Shipping/Receiving				E-Mail:	State of Origin:	Page
Company:				Noel Savoie@Eurofinset.com	Alabama	Page 1 of 3
Address:				Accreditations Required (See note)	Job #	
TestAmerica Laboratories, Inc.				NELAP - Florida	680-207493-1	
City				Preservation Codes:		
Tampa				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		
State, Zip				M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		
Phone:						
813-885-7427(Tel) 813-885-7049(Fax)						
Email:						
Project Name:						
Parcel 80(6), Landfill 3						
Site:						
Sample Identification - Client ID (Lab ID)				Analysis Requested		
Sample Date				Total Number of containers		
Sample Time				826B/503B Volatile Organic Compounds		
Sample Type (C=comp, G=grab)				Perform MS/MSD (Yes or No)		
Matrix (W=water, S=solid, O=water/oil, BT=Tissue, AA=Air)				Field Filtered Sample (Yes or No)		
Preservation Code:				826B/503B Volatile Organic Compounds		
OLF-G72 Port 1 (680-207493-1)	11/11/21	10:00 Central	Water	X		3
OLF-G72 Port 1 (680-207493-1MS)	11/11/21	10:00 Central	Water	X		3
OLF-G72 Port 1 (680-207493-1MSD)	11/11/21	10:00 Central	Water	X		3
OLF-G72 Port 2 (680-207493-2)	11/11/21	10:30 Central	Water	X		3
OLF-G72 Port 3 (680-207493-3)	11/11/21	10:50 Central	Water	X		3
OLF-G72 Port 4 (680-207493-4)	11/11/21	11:15 Central	Water	X		3
OLF-G72 Port 5 (680-207493-5)	11/11/21	11:35 Central	Water	X		3
OLF-G72 Port 6 (680-207493-6)	11/11/21	12:00 Central	Water	X		3
OLF-G71 Port 1 (680-207493-7)	11/10/21	14:50 Central	Water	X		3
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica						
Possible Hazard Identification						
Unconfirmed						
Deliverable Requested: I, II, III, IV, Other (specify)						
Primary Deliverable Rank: 2						
Date:						
Time:						
Relinquished by:						
Relinquished by:						
Relinquished by:						
Custody Seal No.:						
Custody Seal No.:						

Chain of Custody Record

Client Information (Sub Contract Lab)			Carrier Tracking No(s)	COC No: 680-675067.2
Client Contact: Shipping/Receiving			State of Origin: Alabama	Page Page 2 of 3
Company: TestAmerica Laboratories, Inc.			Accreditations Required (See note) NELAP - Florida	Job # 680-207493-1
Address: 6712 Benjamin Road, Suite 100, Tampa State, Zip: FL, 33634			Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Phone: 813-885-7427(Tel) 813-885-7049(Fax)			Analysis Requested	
Email:			Total Number of containers	
Project Name: Parcel 80(6), Landfill 3			8260B/5030B Volatile Organic Compounds	
Site:			Perform MS/MSD (Yes or No)	
PO #			Field Filtered Sample (Yes or No)	
WO #			Preservation Code:	
Project # 68019843			Sample Date	
SSOW#			Sample Time	
			Sample Type (C=comp, G=grab)	
			Matrix (Newater, S-solid, Onwateroil)	
			Preservation Code:	
Sample Identification - Client ID (Lab ID)			Special Instructions/Note:	
OLF-G71 Port 2 (680-207493-8)			X	
OLF-G71 Port 3 (680-207493-9)			X	
OLF-G71 Port 4 (680-207493-10)			X	
OLF-G71 Port 5 (680-207493-11)			X	
OLF-G74 Port 1 (680-207493-12)			X	
OLF-G74 Port 2 (680-207493-13)			X	
OLF-G74 Port 3 (680-207493-14)			X	
OLF-G74 Port 4 (680-207493-15)			X	
OLF-G74 Port 5 (680-207493-16)			X	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica				
Possible Hazard Identification				
Unconfirmed				
Deliverable Requested: I, II, III, IV, Other (specify)				
Primary Deliverable Rank: 2				
Empty Kit Relinquished by:				
Relinquished by				
Relinquished by				
Relinquished by				
Custody Seals Intact: Δ Yes Δ No				
Custody Seal No.:				

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler:	Lab PM	Carrier Tracking No(s):	COC No					
Client Contact:		Phone:	Savoie, Noel		680-675067.3					
Shipping/Receiving			E-Mail:	State of Origin:	Page:					
Company:			Noel.Savoie@Eurofinset.com	Alabama	Page 3 of 3					
TestAmerica Laboratories, Inc.			Accreditations Required (See note):	Job #:	680-207493-1					
Address:		Due Date Requested:	Analysis Requested							
6712 Benjamin Road, Suite 100,		11/23/2021	Preservation Codes:							
City:	Tampa	TAT Requested (days):	A - HCL M - Hexane							
State, Zip:	FL, 33634		B - NaOH N - None							
Phone:	813-885-7427(Tel) 813-885-7049(Fax)	PO #:	C - Zn Acetate O - AsNaO2							
Email:		WO #:	D - Nitric Acid P - Na2O4S							
Project Name:	Parcel 80(6), Landfill 3	Project #:	E - NaHSO4 R - Na2SO3							
Site:		SSOW#:	F - MeOH S - H2SO4							
			G - Amchlor T - TSP Dodecahydrate							
			H - Ascorbic Acid U - Acetone							
			I - Ice V - MCAA							
			J - DI Water W - pH 4-5							
			K - EDTA L - EDA							
			Z - other (specify)							
			Other:							
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Oil, Tissue, Aqueous)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B/5030B Volatile Organic Compounds	Total Number of Containers	Special Instructions/Note:
OLF-G73 Port 1 (680-207493-17)		11/12/21	10:10 Central		Water			X	3	
OLF-G73 Port 2 (680-207493-18)		11/12/21	10:30 Central		Water			X	3	
OLF-G73 Port 3 (680-207493-19)		11/12/21	10:50 Central		Water			X	3	
OLF-G73 Port 4 (680-207493-20)		11/12/21	11:10 Central		Water			X	3	
OLF-G73 Port 5 (680-207493-21)		11/12/21	11:30 Central		Water			X	3	
DUP 384 (680-207493-22)		11/10/21	Central		Water			X	2	
DUP 385 (680-207493-23)		11/11/21	Central		Water			X	2	
TB 584 (680-207493-24)		11/12/21	15:00 Central		Water			X	2	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.										
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:										
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____ Relinquished by: _____ Date/Time: 11/19 12:30 Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seals Intact: _____ Custody Seal No.: _____ Cooler Temperature(s) °C and Other Remarks: _____										

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-207493-1

Login Number: 207493

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-207493-1

Login Number: 207493

List Number: 3

Creator: Avery, Kathy R

List Source: Eurofins TestAmerica, Pensacola

List Creation: 11/23/21 02:19 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0°C IR 9
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

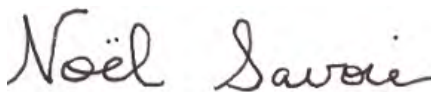
ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-207821-1
Client Project/Site: Parcel 80(6), Landfill 3

For:
Matrix Environmental Services, LLC
1601 Blake Street
Suite 200
Denver, Colorado 80202

Attn: Ms. Betty Van Pelt



Authorized for release by:
12/7/2021 3:08:51 PM

Noel Savoie, Project Manager I
(850)254-0107
Noel.Savoie@Eurofinset.com

LINKS

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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.

Definitions/Glossary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

Sample Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-207821-1	OLF-G50	Water	11/17/21 11:35	11/20/21 09:50
680-207821-2	OLF-G49	Water	11/17/21 12:50	11/20/21 09:50
680-207821-3	OLF-G51	Water	11/17/21 10:10	11/20/21 09:50
680-207821-4	OLF-G52	Water	11/15/21 10:21	11/20/21 09:50
680-207821-5	OLF-G31	Water	11/18/21 12:45	11/20/21 09:50
680-207821-6	OLF-G70	Water	11/15/21 08:36	11/20/21 09:50
680-207821-7	OLF-G26	Water	11/18/21 15:25	11/20/21 09:50
680-207821-8	OLF-G32	Water	11/18/21 10:00	11/20/21 09:50
680-207821-9	OLF-G43	Water	11/15/21 12:51	11/20/21 09:50
680-207821-10	Dup 381	Water	11/17/21 00:00	11/20/21 09:50
680-207821-11	Dup 382	Water	11/18/21 00:00	11/20/21 09:50
680-207821-12	TB 585	Water	11/19/21 10:00	11/20/21 09:50

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Job ID: 680-207821-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-207821-1

Comments

No additional comments.

Receipt

The samples were received on 11/20/2021 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-557542 recovered outside control limits for the following analytes: Hexachlorobutadiene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) and %RPD recoveries for analytical batch 400-557906 were outside advisory control limits for Bromomethane and Trichloroethene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: The method blank for analytical batch 400-558227 contained 1,2,3-Trichlorobenzene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The laboratory control sample (LCS) for analytical batch 400-558227 recovered outside control limits for the following analytes: 4-Methyl-2-pentanone (MIBK), Acrylonitrile, Bromochloromethane, Chloromethane and Methylene Chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

VOA Prep

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

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-207821-1

Date Collected: 11/17/21 11:35

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/01/21 12:28	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/01/21 12:28	1
Benzene	0.13	U	1.0	0.13	ug/L			12/01/21 12:28	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 12:28	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/01/21 12:28	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/01/21 12:28	1
Bromomethane	0.98	U F1	1.0	0.98	ug/L			12/01/21 12:28	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/01/21 12:28	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/01/21 12:28	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/01/21 12:28	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/01/21 12:28	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/01/21 12:28	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/01/21 12:28	1
Chloroethane	0.76	U	1.0	0.76	ug/L			12/01/21 12:28	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/01/21 12:28	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/01/21 12:28	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/01/21 12:28	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/01/21 12:28	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/01/21 12:28	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/01/21 12:28	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/01/21 12:28	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/01/21 12:28	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 12:28	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/01/21 12:28	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/01/21 12:28	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/01/21 12:28	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/01/21 12:28	1
cis-1,2-Dichloroethene	8.4		1.0	0.20	ug/L			12/01/21 12:28	1
trans-1,2-Dichloroethene	2.7		1.0	0.50	ug/L			12/01/21 12:28	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/01/21 12:28	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/01/21 12:28	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/01/21 12:28	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/01/21 12:28	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/01/21 12:28	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/01/21 12:28	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/01/21 12:28	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/01/21 12:28	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/01/21 12:28	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/01/21 12:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-207821-1

Date Collected: 11/17/21 11:35

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			12/01/21 12:28	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/01/21 12:28	1
Styrene	1.0	U	1.0	1.0	ug/L			12/01/21 12:28	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/01/21 12:28	1
1,1,2,2-Tetrachloroethane	27		1.0	0.50	ug/L			12/01/21 12:28	1
Tetrachloroethylene	0.71	J	1.0	0.12	ug/L			12/01/21 12:28	1
Toluene	0.41	U	1.0	0.41	ug/L			12/01/21 12:28	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/01/21 12:28	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/01/21 12:28	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/01/21 12:28	1
1,1,2-Trichloroethane	1.3	J	5.0	0.21	ug/L			12/01/21 12:28	1
Trichloroethene	110	F1	1.0	0.15	ug/L			12/01/21 12:28	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/01/21 12:28	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/01/21 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/01/21 12:28	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/01/21 12:28	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/01/21 12:28	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/01/21 12:28	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/01/21 12:28	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/01/21 12:28	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/01/21 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119		12/01/21 12:28	1
Dibromofluoromethane	107		75 - 126		12/01/21 12:28	1
Toluene-d8 (Surr)	99		64 - 132		12/01/21 12:28	1
1,2-Dichloroethane-d4 (Surr)	110		67 - 134		12/01/21 12:28	1

Client Sample ID: OLF-G49

Lab Sample ID: 680-207821-2

Date Collected: 11/17/21 12:50

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/01/21 13:20	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/01/21 13:20	1
Benzene	0.13	U	1.0	0.13	ug/L			12/01/21 13:20	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 13:20	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/01/21 13:20	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/01/21 13:20	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/01/21 13:20	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/01/21 13:20	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/01/21 13:20	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/01/21 13:20	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/01/21 13:20	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/01/21 13:20	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/01/21 13:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G49

Lab Sample ID: 680-207821-2

Date Collected: 11/17/21 12:50

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.76	U	1.0	0.76	ug/L			12/01/21 13:20	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/01/21 13:20	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/01/21 13:20	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/01/21 13:20	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/01/21 13:20	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/01/21 13:20	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/01/21 13:20	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/01/21 13:20	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/01/21 13:20	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 13:20	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/01/21 13:20	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/01/21 13:20	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/01/21 13:20	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/01/21 13:20	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/01/21 13:20	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/01/21 13:20	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/01/21 13:20	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/01/21 13:20	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/01/21 13:20	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/01/21 13:20	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/01/21 13:20	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/01/21 13:20	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/01/21 13:20	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/01/21 13:20	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/01/21 13:20	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/01/21 13:20	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/01/21 13:20	1
Styrene	1.0	U	1.0	1.0	ug/L			12/01/21 13:20	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/01/21 13:20	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/01/21 13:20	1
Toluene	0.41	U	1.0	0.41	ug/L			12/01/21 13:20	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/01/21 13:20	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/01/21 13:20	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/01/21 13:20	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/01/21 13:20	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/01/21 13:20	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/01/21 13:20	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/01/21 13:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G49

Lab Sample ID: 680-207821-2

Date Collected: 11/17/21 12:50

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/01/21 13:20	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/01/21 13:20	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/01/21 13:20	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/01/21 13:20	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/01/21 13:20	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/01/21 13:20	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/01/21 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 119		12/01/21 13:20	1
Dibromofluoromethane	106		75 - 126		12/01/21 13:20	1
Toluene-d8 (Surr)	98		64 - 132		12/01/21 13:20	1
1,2-Dichloroethane-d4 (Surr)	108		67 - 134		12/01/21 13:20	1

Client Sample ID: OLF-G51

Lab Sample ID: 680-207821-3

Date Collected: 11/17/21 10:10

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/01/21 13:46	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/01/21 13:46	1
Benzene	0.13	U	1.0	0.13	ug/L			12/01/21 13:46	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 13:46	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/01/21 13:46	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/01/21 13:46	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/01/21 13:46	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/01/21 13:46	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/01/21 13:46	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/01/21 13:46	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/01/21 13:46	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/01/21 13:46	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/01/21 13:46	1
Chloroethane	0.76	U	1.0	0.76	ug/L			12/01/21 13:46	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/01/21 13:46	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/01/21 13:46	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/01/21 13:46	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/01/21 13:46	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/01/21 13:46	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/01/21 13:46	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/01/21 13:46	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/01/21 13:46	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 13:46	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/01/21 13:46	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/01/21 13:46	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/01/21 13:46	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G51

Lab Sample ID: 680-207821-3

Date Collected: 11/17/21 10:10

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/01/21 13:46	1
cis-1,2-Dichloroethene	0.71	J	1.0	0.20	ug/L			12/01/21 13:46	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/01/21 13:46	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/01/21 13:46	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/01/21 13:46	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/01/21 13:46	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/01/21 13:46	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/01/21 13:46	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/01/21 13:46	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/01/21 13:46	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/01/21 13:46	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/01/21 13:46	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/01/21 13:46	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/01/21 13:46	1
Styrene	1.0	U	1.0	1.0	ug/L			12/01/21 13:46	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/01/21 13:46	1
1,1,2,2-Tetrachloroethane	1.1		1.0	0.50	ug/L			12/01/21 13:46	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/01/21 13:46	1
Toluene	0.41	U	1.0	0.41	ug/L			12/01/21 13:46	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/01/21 13:46	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/01/21 13:46	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/01/21 13:46	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/01/21 13:46	1
Trichloroethene	8.1		1.0	0.15	ug/L			12/01/21 13:46	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/01/21 13:46	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/01/21 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/01/21 13:46	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/01/21 13:46	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/01/21 13:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/01/21 13:46	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/01/21 13:46	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/01/21 13:46	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/01/21 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	98		72 - 119		12/01/21 13:46	1
Dibromofluoromethane	104		75 - 126		12/01/21 13:46	1
Toluene-d8 (Surr)	98		64 - 132		12/01/21 13:46	1
1,2-Dichloroethane-d4 (Surr)	108		67 - 134		12/01/21 13:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-207821-4

Date Collected: 11/15/21 10:21

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/28/21 21:22	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/28/21 21:22	1
Benzene	0.13	U	1.0	0.13	ug/L			11/28/21 21:22	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/28/21 21:22	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/28/21 21:22	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/28/21 21:22	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/28/21 21:22	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/28/21 21:22	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/28/21 21:22	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/28/21 21:22	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/28/21 21:22	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/28/21 21:22	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/28/21 21:22	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/28/21 21:22	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/28/21 21:22	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/28/21 21:22	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/28/21 21:22	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/28/21 21:22	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/28/21 21:22	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/28/21 21:22	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/28/21 21:22	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/28/21 21:22	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/28/21 21:22	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/28/21 21:22	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/28/21 21:22	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/28/21 21:22	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/28/21 21:22	1
cis-1,2-Dichloroethene	1.4		1.0	0.20	ug/L			11/28/21 21:22	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/28/21 21:22	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/28/21 21:22	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
Hexachlorobutadiene	0.90	U *	5.0	0.90	ug/L			11/28/21 21:22	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/28/21 21:22	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/28/21 21:22	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/28/21 21:22	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/28/21 21:22	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/28/21 21:22	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/28/21 21:22	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/28/21 21:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-207821-4

Date Collected: 11/15/21 10:21

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			11/28/21 21:22	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/28/21 21:22	1
Styrene	1.0	U	1.0	1.0	ug/L			11/28/21 21:22	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/28/21 21:22	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/28/21 21:22	1
Toluene	0.41	U	1.0	0.41	ug/L			11/28/21 21:22	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/28/21 21:22	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/28/21 21:22	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/28/21 21:22	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/28/21 21:22	1
Trichloroethene	8.5		1.0	0.15	ug/L			11/28/21 21:22	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/28/21 21:22	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/28/21 21:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/28/21 21:22	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/28/21 21:22	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/28/21 21:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/21 21:22	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/28/21 21:22	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/28/21 21:22	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/28/21 21:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119		11/28/21 21:22	1
Dibromofluoromethane	110		75 - 126		11/28/21 21:22	1
Toluene-d8 (Surr)	93		64 - 132		11/28/21 21:22	1
1,2-Dichloroethane-d4 (Surr)	116		67 - 134		11/28/21 21:22	1

Client Sample ID: OLF-G31

Lab Sample ID: 680-207821-5

Date Collected: 11/18/21 12:45

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/02/21 11:37	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/02/21 11:37	1
Benzene	0.13	U	1.0	0.13	ug/L			12/02/21 11:37	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 11:37	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/02/21 11:37	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/02/21 11:37	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/02/21 11:37	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/02/21 11:37	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/02/21 11:37	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/02/21 11:37	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/02/21 11:37	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/02/21 11:37	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 11:37	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G31

Lab Sample ID: 680-207821-5

Date Collected: 11/18/21 12:45

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.76	U	1.0	0.76	ug/L			12/02/21 11:37	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/02/21 11:37	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/02/21 11:37	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/02/21 11:37	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/02/21 11:37	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/02/21 11:37	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/02/21 11:37	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/02/21 11:37	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/02/21 11:37	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 11:37	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/02/21 11:37	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/02/21 11:37	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/02/21 11:37	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/02/21 11:37	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 11:37	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/02/21 11:37	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/02/21 11:37	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/02/21 11:37	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/02/21 11:37	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/02/21 11:37	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/02/21 11:37	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/02/21 11:37	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/02/21 11:37	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/02/21 11:37	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/02/21 11:37	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/02/21 11:37	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/02/21 11:37	1
Styrene	1.0	U	1.0	1.0	ug/L			12/02/21 11:37	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/02/21 11:37	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/02/21 11:37	1
Toluene	0.41	U	1.0	0.41	ug/L			12/02/21 11:37	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/02/21 11:37	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/02/21 11:37	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/02/21 11:37	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/02/21 11:37	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/02/21 11:37	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/02/21 11:37	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/02/21 11:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G31

Lab Sample ID: 680-207821-5

Date Collected: 11/18/21 12:45

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/02/21 11:37	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/02/21 11:37	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/02/21 11:37	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/02/21 11:37	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/02/21 11:37	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/02/21 11:37	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/02/21 11:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119		12/02/21 11:37	1
Dibromofluoromethane	94		75 - 126		12/02/21 11:37	1
Toluene-d8 (Surr)	99		64 - 132		12/02/21 11:37	1
1,2-Dichloroethane-d4 (Surr)	101		67 - 134		12/02/21 11:37	1

Client Sample ID: OLF-G70

Lab Sample ID: 680-207821-6

Date Collected: 11/15/21 08:36

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/28/21 21:48	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/28/21 21:48	1
Benzene	0.13	U	1.0	0.13	ug/L			11/28/21 21:48	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/28/21 21:48	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/28/21 21:48	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/28/21 21:48	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/28/21 21:48	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/28/21 21:48	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/28/21 21:48	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/28/21 21:48	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/28/21 21:48	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/28/21 21:48	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/28/21 21:48	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/28/21 21:48	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/28/21 21:48	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/28/21 21:48	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/28/21 21:48	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/28/21 21:48	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/28/21 21:48	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/28/21 21:48	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/28/21 21:48	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/28/21 21:48	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/28/21 21:48	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/28/21 21:48	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/28/21 21:48	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/28/21 21:48	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G70

Lab Sample ID: 680-207821-6

Date Collected: 11/15/21 08:36

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/28/21 21:48	1
cis-1,2-Dichloroethene	1.4		1.0	0.20	ug/L			11/28/21 21:48	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/28/21 21:48	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/28/21 21:48	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
Hexachlorobutadiene	0.90	U *	5.0	0.90	ug/L			11/28/21 21:48	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/28/21 21:48	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/28/21 21:48	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/28/21 21:48	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/28/21 21:48	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/28/21 21:48	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/28/21 21:48	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/28/21 21:48	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/28/21 21:48	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/28/21 21:48	1
Styrene	1.0	U	1.0	1.0	ug/L			11/28/21 21:48	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/28/21 21:48	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/28/21 21:48	1
Toluene	0.41	U	1.0	0.41	ug/L			11/28/21 21:48	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/28/21 21:48	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/28/21 21:48	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/28/21 21:48	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/28/21 21:48	1
Trichloroethene	10		1.0	0.15	ug/L			11/28/21 21:48	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/28/21 21:48	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/28/21 21:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/28/21 21:48	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/28/21 21:48	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/28/21 21:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/21 21:48	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/28/21 21:48	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/28/21 21:48	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/28/21 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119		11/28/21 21:48	1
Dibromofluoromethane	113		75 - 126		11/28/21 21:48	1
Toluene-d8 (Surr)	102		64 - 132		11/28/21 21:48	1
1,2-Dichloroethane-d4 (Surr)	133		67 - 134		11/28/21 21:48	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G26

Lab Sample ID: 680-207821-7

Date Collected: 11/18/21 15:25

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/02/21 12:01	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/02/21 12:01	1
Benzene	0.41	J	1.0	0.13	ug/L			12/02/21 12:01	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 12:01	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/02/21 12:01	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/02/21 12:01	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/02/21 12:01	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/02/21 12:01	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/02/21 12:01	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/02/21 12:01	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/02/21 12:01	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/02/21 12:01	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 12:01	1
Chloroethane	0.76	U	1.0	0.76	ug/L			12/02/21 12:01	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/02/21 12:01	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/02/21 12:01	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/02/21 12:01	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/02/21 12:01	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/02/21 12:01	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/02/21 12:01	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/02/21 12:01	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/02/21 12:01	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 12:01	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/02/21 12:01	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/02/21 12:01	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/02/21 12:01	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/02/21 12:01	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 12:01	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/02/21 12:01	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/02/21 12:01	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/02/21 12:01	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/02/21 12:01	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/02/21 12:01	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/02/21 12:01	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/02/21 12:01	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/02/21 12:01	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/02/21 12:01	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/02/21 12:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G26

Lab Sample ID: 680-207821-7

Date Collected: 11/18/21 15:25

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			12/02/21 12:01	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/02/21 12:01	1
Styrene	1.0	U	1.0	1.0	ug/L			12/02/21 12:01	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/02/21 12:01	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/02/21 12:01	1
Toluene	0.41	U	1.0	0.41	ug/L			12/02/21 12:01	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/02/21 12:01	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/02/21 12:01	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/02/21 12:01	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/02/21 12:01	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/02/21 12:01	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/02/21 12:01	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/02/21 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/02/21 12:01	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/02/21 12:01	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/02/21 12:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/02/21 12:01	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/02/21 12:01	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/02/21 12:01	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/02/21 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119		12/02/21 12:01	1
Dibromofluoromethane	94		75 - 126		12/02/21 12:01	1
Toluene-d8 (Surr)	99		64 - 132		12/02/21 12:01	1
1,2-Dichloroethane-d4 (Surr)	104		67 - 134		12/02/21 12:01	1

Client Sample ID: OLF-G32

Lab Sample ID: 680-207821-8

Date Collected: 11/18/21 10:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/02/21 12:26	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/02/21 12:26	1
Benzene	0.13	U	1.0	0.13	ug/L			12/02/21 12:26	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 12:26	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/02/21 12:26	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/02/21 12:26	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/02/21 12:26	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/02/21 12:26	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/02/21 12:26	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/02/21 12:26	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/02/21 12:26	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/02/21 12:26	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 12:26	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-207821-8

Date Collected: 11/18/21 10:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.76	U	1.0	0.76	ug/L			12/02/21 12:26	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/02/21 12:26	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/02/21 12:26	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/02/21 12:26	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/02/21 12:26	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/02/21 12:26	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/02/21 12:26	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/02/21 12:26	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/02/21 12:26	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 12:26	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/02/21 12:26	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/02/21 12:26	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/02/21 12:26	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/02/21 12:26	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 12:26	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/02/21 12:26	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/02/21 12:26	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/02/21 12:26	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/02/21 12:26	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/02/21 12:26	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/02/21 12:26	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/02/21 12:26	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/02/21 12:26	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/02/21 12:26	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/02/21 12:26	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/02/21 12:26	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/02/21 12:26	1
Styrene	1.0	U	1.0	1.0	ug/L			12/02/21 12:26	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/02/21 12:26	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/02/21 12:26	1
Toluene	0.41	U	1.0	0.41	ug/L			12/02/21 12:26	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/02/21 12:26	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/02/21 12:26	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/02/21 12:26	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/02/21 12:26	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/02/21 12:26	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/02/21 12:26	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/02/21 12:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-207821-8

Date Collected: 11/18/21 10:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/02/21 12:26	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/02/21 12:26	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/02/21 12:26	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/02/21 12:26	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/02/21 12:26	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/02/21 12:26	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/02/21 12:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 119		12/02/21 12:26	1
Dibromofluoromethane	95		75 - 126		12/02/21 12:26	1
Toluene-d8 (Surr)	99		64 - 132		12/02/21 12:26	1
1,2-Dichloroethane-d4 (Surr)	101		67 - 134		12/02/21 12:26	1

Client Sample ID: OLF-G43

Lab Sample ID: 680-207821-9

Date Collected: 11/15/21 12:51

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/29/21 15:07	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/29/21 15:07	1
Benzene	0.13	U	1.0	0.13	ug/L			11/29/21 15:07	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/29/21 15:07	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/29/21 15:07	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/29/21 15:07	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/29/21 15:07	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/29/21 15:07	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/29/21 15:07	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/29/21 15:07	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/29/21 15:07	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/29/21 15:07	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/29/21 15:07	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/29/21 15:07	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/29/21 15:07	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/29/21 15:07	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/29/21 15:07	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/29/21 15:07	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/29/21 15:07	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/29/21 15:07	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/29/21 15:07	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/29/21 15:07	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/29/21 15:07	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/29/21 15:07	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/29/21 15:07	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/29/21 15:07	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G43

Lab Sample ID: 680-207821-9

Date Collected: 11/15/21 12:51

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/29/21 15:07	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			11/29/21 15:07	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/29/21 15:07	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/29/21 15:07	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/29/21 15:07	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/29/21 15:07	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/29/21 15:07	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/29/21 15:07	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/29/21 15:07	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/29/21 15:07	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/29/21 15:07	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/29/21 15:07	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/29/21 15:07	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/29/21 15:07	1
Styrene	1.0	U	1.0	1.0	ug/L			11/29/21 15:07	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/29/21 15:07	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/29/21 15:07	1
Toluene	0.41	U	1.0	0.41	ug/L			11/29/21 15:07	1
1,2,3-Trichlorobenzene	0.22	J	1.0	0.19	ug/L			11/29/21 15:07	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/29/21 15:07	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/29/21 15:07	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/29/21 15:07	1
Trichloroethene	0.89	J	1.0	0.15	ug/L			11/29/21 15:07	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/29/21 15:07	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/29/21 15:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/29/21 15:07	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/29/21 15:07	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/29/21 15:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/29/21 15:07	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/29/21 15:07	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/29/21 15:07	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/29/21 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	88		72 - 119		11/29/21 15:07	1
Dibromofluoromethane	106		75 - 126		11/29/21 15:07	1
Toluene-d8 (Surr)	96		64 - 132		11/29/21 15:07	1
1,2-Dichloroethane-d4 (Surr)	103		67 - 134		11/29/21 15:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: Dup 381

Lab Sample ID: 680-207821-10

Date Collected: 11/17/21 00:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/01/21 14:12	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/01/21 14:12	1
Benzene	0.13	U	1.0	0.13	ug/L			12/01/21 14:12	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 14:12	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/01/21 14:12	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/01/21 14:12	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/01/21 14:12	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/01/21 14:12	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/01/21 14:12	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/01/21 14:12	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/01/21 14:12	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/01/21 14:12	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/01/21 14:12	1
Chloroethane	0.76	U	1.0	0.76	ug/L			12/01/21 14:12	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/01/21 14:12	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/01/21 14:12	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/01/21 14:12	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/01/21 14:12	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/01/21 14:12	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/01/21 14:12	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/01/21 14:12	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/01/21 14:12	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 14:12	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/01/21 14:12	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/01/21 14:12	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/01/21 14:12	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/01/21 14:12	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/01/21 14:12	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/01/21 14:12	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/01/21 14:12	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/01/21 14:12	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/01/21 14:12	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/01/21 14:12	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/01/21 14:12	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/01/21 14:12	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/01/21 14:12	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/01/21 14:12	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/01/21 14:12	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: Dup 381

Lab Sample ID: 680-207821-10

Date Collected: 11/17/21 00:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1.0	U	1.0	1.0	ug/L			12/01/21 14:12	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/01/21 14:12	1
Styrene	1.0	U	1.0	1.0	ug/L			12/01/21 14:12	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/01/21 14:12	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/01/21 14:12	1
Toluene	0.41	U	1.0	0.41	ug/L			12/01/21 14:12	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/01/21 14:12	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/01/21 14:12	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/01/21 14:12	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/01/21 14:12	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/01/21 14:12	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/01/21 14:12	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/01/21 14:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/01/21 14:12	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/01/21 14:12	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/01/21 14:12	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/01/21 14:12	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/01/21 14:12	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/01/21 14:12	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/01/21 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 119		12/01/21 14:12	1
Dibromofluoromethane	109		75 - 126		12/01/21 14:12	1
Toluene-d8 (Surr)	99		64 - 132		12/01/21 14:12	1
1,2-Dichloroethane-d4 (Surr)	115		67 - 134		12/01/21 14:12	1

Client Sample ID: Dup 382

Lab Sample ID: 680-207821-11

Date Collected: 11/18/21 00:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/02/21 12:50	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/02/21 12:50	1
Benzene	0.13	U	1.0	0.13	ug/L			12/02/21 12:50	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 12:50	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/02/21 12:50	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/02/21 12:50	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/02/21 12:50	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/02/21 12:50	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/02/21 12:50	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/02/21 12:50	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/02/21 12:50	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/02/21 12:50	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 12:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: Dup 382

Lab Sample ID: 680-207821-11

Date Collected: 11/18/21 00:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.76	U	1.0	0.76	ug/L			12/02/21 12:50	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/02/21 12:50	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/02/21 12:50	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/02/21 12:50	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/02/21 12:50	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/02/21 12:50	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/02/21 12:50	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/02/21 12:50	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/02/21 12:50	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 12:50	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/02/21 12:50	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/02/21 12:50	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/02/21 12:50	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/02/21 12:50	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 12:50	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/02/21 12:50	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/02/21 12:50	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/02/21 12:50	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/02/21 12:50	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/02/21 12:50	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/02/21 12:50	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/02/21 12:50	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/02/21 12:50	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/02/21 12:50	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/02/21 12:50	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/02/21 12:50	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/02/21 12:50	1
Styrene	1.0	U	1.0	1.0	ug/L			12/02/21 12:50	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/02/21 12:50	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/02/21 12:50	1
Toluene	0.41	U	1.0	0.41	ug/L			12/02/21 12:50	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/02/21 12:50	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/02/21 12:50	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/02/21 12:50	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/02/21 12:50	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/02/21 12:50	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/02/21 12:50	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/02/21 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: Dup 382

Lab Sample ID: 680-207821-11

Date Collected: 11/18/21 00:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/02/21 12:50	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/02/21 12:50	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/02/21 12:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/02/21 12:50	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/02/21 12:50	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/02/21 12:50	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/02/21 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119		12/02/21 12:50	1
Dibromofluoromethane	98		75 - 126		12/02/21 12:50	1
Toluene-d8 (Surr)	101		64 - 132		12/02/21 12:50	1
1,2-Dichloroethane-d4 (Surr)	103		67 - 134		12/02/21 12:50	1

Client Sample ID: TB 585

Lab Sample ID: 680-207821-12

Date Collected: 11/19/21 10:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/03/21 12:30	1
Acrylonitrile	2.8	U **	10	2.8	ug/L			12/03/21 12:30	1
Benzene	0.13	U	1.0	0.13	ug/L			12/03/21 12:30	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/03/21 12:30	1
Bromochloromethane	0.21	U **	1.0	0.21	ug/L			12/03/21 12:30	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/03/21 12:30	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/03/21 12:30	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/03/21 12:30	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/03/21 12:30	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/03/21 12:30	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/03/21 12:30	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/03/21 12:30	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 12:30	1
Chloroethane	0.76	U	1.0	0.76	ug/L			12/03/21 12:30	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/03/21 12:30	1
Chloromethane	0.32	U **	1.0	0.32	ug/L			12/03/21 12:30	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/03/21 12:30	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/03/21 12:30	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/03/21 12:30	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/03/21 12:30	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/03/21 12:30	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/03/21 12:30	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/03/21 12:30	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/03/21 12:30	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/03/21 12:30	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/03/21 12:30	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: TB 585

Lab Sample ID: 680-207821-12

Date Collected: 11/19/21 10:00

Matrix: Water

Date Received: 11/20/21 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/03/21 12:30	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 12:30	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/03/21 12:30	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/03/21 12:30	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/03/21 12:30	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/03/21 12:30	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/03/21 12:30	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/03/21 12:30	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/03/21 12:30	1
Methylene Chloride	3.0	U **	5.0	3.0	ug/L			12/03/21 12:30	1
4-Methyl-2-pentanone (MIBK)	1.8	U **	25	1.8	ug/L			12/03/21 12:30	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/03/21 12:30	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/03/21 12:30	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/03/21 12:30	1
Styrene	1.0	U	1.0	1.0	ug/L			12/03/21 12:30	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/03/21 12:30	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/03/21 12:30	1
Toluene	0.41	U	1.0	0.41	ug/L			12/03/21 12:30	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/03/21 12:30	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/03/21 12:30	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/03/21 12:30	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/03/21 12:30	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/03/21 12:30	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/03/21 12:30	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/03/21 12:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/03/21 12:30	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/03/21 12:30	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/03/21 12:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/21 12:30	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/03/21 12:30	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/03/21 12:30	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/03/21 12:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		72 - 119		12/03/21 12:30	1
Dibromofluoromethane	104		75 - 126		12/03/21 12:30	1
Toluene-d8 (Surr)	84		64 - 132		12/03/21 12:30	1
1,2-Dichloroethane-d4 (Surr)	98		67 - 134		12/03/21 12:30	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-557542/5

Matrix: Water

Analysis Batch: 557542

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/28/21 16:08	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/28/21 16:08	1
Benzene	0.13	U	1.0	0.13	ug/L			11/28/21 16:08	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/28/21 16:08	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/28/21 16:08	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/28/21 16:08	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/28/21 16:08	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/28/21 16:08	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/28/21 16:08	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/28/21 16:08	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/28/21 16:08	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/28/21 16:08	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/28/21 16:08	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/28/21 16:08	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/28/21 16:08	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/28/21 16:08	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/28/21 16:08	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/28/21 16:08	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/28/21 16:08	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/28/21 16:08	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/28/21 16:08	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/28/21 16:08	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/28/21 16:08	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/28/21 16:08	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/28/21 16:08	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/28/21 16:08	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/28/21 16:08	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			11/28/21 16:08	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/28/21 16:08	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/28/21 16:08	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/28/21 16:08	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/28/21 16:08	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/28/21 16:08	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/28/21 16:08	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/28/21 16:08	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/28/21 16:08	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/28/21 16:08	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-557542/5

Matrix: Water

Analysis Batch: 557542

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/28/21 16:08	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/28/21 16:08	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/28/21 16:08	1
Styrene	1.0	U	1.0	1.0	ug/L			11/28/21 16:08	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/28/21 16:08	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/28/21 16:08	1
Toluene	0.41	U	1.0	0.41	ug/L			11/28/21 16:08	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/28/21 16:08	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/28/21 16:08	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/28/21 16:08	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/28/21 16:08	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/28/21 16:08	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/28/21 16:08	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/28/21 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/28/21 16:08	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/28/21 16:08	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/28/21 16:08	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/21 16:08	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/28/21 16:08	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/28/21 16:08	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/28/21 16:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	89		72 - 119		11/28/21 16:08	1
Dibromofluoromethane	114		75 - 126		11/28/21 16:08	1
Toluene-d8 (Surr)	95		64 - 132		11/28/21 16:08	1
1,2-Dichloroethane-d4 (Surr)	111		67 - 134		11/28/21 16:08	1

Lab Sample ID: LCS 400-557542/1002

Matrix: Water

Analysis Batch: 557542

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	198		ug/L		99	43 - 160
Acrylonitrile	500	425		ug/L		85	64 - 142
Benzene	50.0	49.3		ug/L		99	70 - 130
Bromobenzene	50.0	56.2		ug/L		112	70 - 132
Bromochloromethane	50.0	58.8		ug/L		118	70 - 130
Bromodichloromethane	50.0	55.6		ug/L		111	67 - 133
Bromoform	50.0	60.9		ug/L		122	57 - 140
Bromomethane	50.0	48.4		ug/L		97	10 - 160
2-Butanone (MEK)	200	218		ug/L		109	61 - 145
n-Butylbenzene	50.0	55.4		ug/L		111	67 - 130
sec-Butylbenzene	50.0	52.6		ug/L		105	66 - 130
tert-Butylbenzene	50.0	55.0		ug/L		110	64 - 139
Carbon disulfide	50.0	43.4		ug/L		87	61 - 137

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-557542/1002

Matrix: Water

Analysis Batch: 557542

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	62.7		ug/L		125	61 - 137
Chlorobenzene	50.0	59.6		ug/L		119	70 - 130
Chloroethane	50.0	42.3		ug/L		85	55 - 141
Chloroform	50.0	54.5		ug/L		109	69 - 130
Chloromethane	50.0	36.8		ug/L		74	58 - 137
2-Chlorotoluene	50.0	52.0		ug/L		104	70 - 130
4-Chlorotoluene	50.0	54.3		ug/L		109	70 - 130
Dibromochloromethane	50.0	61.9		ug/L		124	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	57.1		ug/L		114	54 - 135
1,2-Dibromoethane	50.0	57.3		ug/L		115	70 - 130
Dibromomethane	50.0	53.6		ug/L		107	70 - 130
1,2-Dichlorobenzene	50.0	58.3		ug/L		117	67 - 130
1,3-Dichlorobenzene	50.0	57.3		ug/L		115	70 - 130
1,4-Dichlorobenzene	50.0	58.2		ug/L		116	70 - 130
trans-1,4-Dichloro-2-butene	50.0	42.3		ug/L		85	57 - 140
Dichlorodifluoromethane	50.0	46.8		ug/L		94	41 - 146
1,1-Dichloroethane	50.0	45.8		ug/L		92	70 - 130
1,2-Dichloroethane	50.0	56.9		ug/L		114	69 - 130
cis-1,2-Dichloroethene	50.0	50.1		ug/L		100	68 - 130
trans-1,2-Dichloroethene	50.0	48.5		ug/L		97	70 - 130
1,1-Dichloroethene	50.0	40.3		ug/L		81	63 - 134
1,2-Dichloropropane	50.0	48.1		ug/L		96	70 - 130
1,3-Dichloropropane	50.0	53.5		ug/L		107	70 - 130
2,2-Dichloropropane	50.0	49.4		ug/L		99	52 - 135
1,1-Dichloropropene	50.0	52.8		ug/L		106	70 - 130
cis-1,3-Dichloropropene	50.0	51.4		ug/L		103	69 - 132
trans-1,3-Dichloropropene	50.0	54.8		ug/L		110	63 - 130
Ethylbenzene	50.0	57.6		ug/L		115	70 - 130
Hexachlorobutadiene	50.0	71.7	*+	ug/L		143	53 - 140
2-Hexanone	200	204		ug/L		102	65 - 137
Iodomethane	50.0	56.8		ug/L		114	27 - 159
Isopropylbenzene	50.0	59.1		ug/L		118	70 - 130
p-Isopropyltoluene	50.0	56.9		ug/L		114	65 - 130
Methylene Chloride	50.0	46.2		ug/L		92	66 - 135
4-Methyl-2-pentanone (MIBK)	200	190		ug/L		95	69 - 138
Methyl tert-butyl ether	50.0	46.3		ug/L		93	66 - 130
Naphthalene	50.0	50.7		ug/L		101	47 - 149
N-Propylbenzene	50.0	51.5		ug/L		103	70 - 130
Styrene	50.0	56.2		ug/L		112	70 - 130
1,1,1,2-Tetrachloroethane	50.0	63.0		ug/L		126	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	70 - 131
Tetrachloroethylene	50.0	63.0		ug/L		126	65 - 130
Toluene	50.0	54.1		ug/L		108	70 - 130
1,2,3-Trichlorobenzene	50.0	63.0		ug/L		126	60 - 138
1,2,4-Trichlorobenzene	50.0	62.5		ug/L		125	60 - 140
1,1,1-Trichloroethane	50.0	59.8		ug/L		120	68 - 130
1,1,2-Trichloroethane	50.0	51.2		ug/L		102	70 - 130
Trichloroethene	50.0	59.7		ug/L		119	70 - 130
Trichlorofluoromethane	50.0	61.6		ug/L		123	65 - 138

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-557542/1002

Matrix: Water

Analysis Batch: 557542

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	50.0	55.8		ug/L		112	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.2		ug/L		94	60 - 139
1,2,4-Trimethylbenzene	50.0	56.0		ug/L		112	70 - 130
1,3,5-Trimethylbenzene	50.0	55.9		ug/L		112	69 - 130
Vinyl acetate	100	141		ug/L		141	26 - 160
Vinyl chloride	50.0	37.1		ug/L		74	59 - 136
o-Xylene	50.0	58.5		ug/L		117	70 - 130
m-Xylene & p-Xylene	50.0	57.8		ug/L		116	70 - 130
Xylenes, Total	100	116		ug/L		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	90		72 - 119
Dibromofluoromethane	108		75 - 126
Toluene-d8 (Surr)	105		64 - 132
1,2-Dichloroethane-d4 (Surr)	117		67 - 134

Lab Sample ID: MB 400-557569/4

Matrix: Water

Analysis Batch: 557569

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			11/29/21 11:01	1
Acrylonitrile	2.8	U	10	2.8	ug/L			11/29/21 11:01	1
Benzene	0.13	U	1.0	0.13	ug/L			11/29/21 11:01	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			11/29/21 11:01	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			11/29/21 11:01	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
Bromoform	0.25	U	5.0	0.25	ug/L			11/29/21 11:01	1
Bromomethane	0.98	U	1.0	0.98	ug/L			11/29/21 11:01	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			11/29/21 11:01	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			11/29/21 11:01	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			11/29/21 11:01	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			11/29/21 11:01	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			11/29/21 11:01	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			11/29/21 11:01	1
Chloroethane	0.76	U	1.0	0.76	ug/L			11/29/21 11:01	1
Chloroform	0.60	U	1.0	0.60	ug/L			11/29/21 11:01	1
Chloromethane	0.32	U	1.0	0.32	ug/L			11/29/21 11:01	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			11/29/21 11:01	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			11/29/21 11:01	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			11/29/21 11:01	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			11/29/21 11:01	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			11/29/21 11:01	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			11/29/21 11:01	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			11/29/21 11:01	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			11/29/21 11:01	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-557569/4

Matrix: Water

Analysis Batch: 557569

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			11/29/21 11:01	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			11/29/21 11:01	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			11/29/21 11:01	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			11/29/21 11:01	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			11/29/21 11:01	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			11/29/21 11:01	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			11/29/21 11:01	1
2-Hexanone	1.4	U	25	1.4	ug/L			11/29/21 11:01	1
Iodomethane	0.90	U	1.0	0.90	ug/L			11/29/21 11:01	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			11/29/21 11:01	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			11/29/21 11:01	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			11/29/21 11:01	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			11/29/21 11:01	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			11/29/21 11:01	1
Naphthalene	1.0	U	1.0	1.0	ug/L			11/29/21 11:01	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			11/29/21 11:01	1
Styrene	1.0	U	1.0	1.0	ug/L			11/29/21 11:01	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			11/29/21 11:01	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			11/29/21 11:01	1
Toluene	0.41	U	1.0	0.41	ug/L			11/29/21 11:01	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			11/29/21 11:01	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			11/29/21 11:01	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			11/29/21 11:01	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			11/29/21 11:01	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			11/29/21 11:01	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			11/29/21 11:01	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			11/29/21 11:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			11/29/21 11:01	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			11/29/21 11:01	1
Vinyl acetate	0.93	U	25	0.93	ug/L			11/29/21 11:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/29/21 11:01	1
o-Xylene	0.60	U	5.0	0.60	ug/L			11/29/21 11:01	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			11/29/21 11:01	1
Xylenes, Total	1.6	U	10	1.6	ug/L			11/29/21 11:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	84		72 - 119		11/29/21 11:01	1
Dibromofluoromethane	101		75 - 126		11/29/21 11:01	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-557569/4

Matrix: Water

Analysis Batch: 557569

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		64 - 132		11/29/21 11:01	1
1,2-Dichloroethane-d4 (Surr)	99		67 - 134		11/29/21 11:01	1

Lab Sample ID: LCS 400-557569/1002

Matrix: Water

Analysis Batch: 557569

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	236		ug/L		118	43 - 160
Acrylonitrile	500	372		ug/L		74	64 - 142
Benzene	50.0	44.9		ug/L		90	70 - 130
Bromobenzene	50.0	53.3		ug/L		107	70 - 132
Bromochloromethane	50.0	52.3		ug/L		105	70 - 130
Bromodichloromethane	50.0	47.9		ug/L		96	67 - 133
Bromoform	50.0	49.3		ug/L		99	57 - 140
Bromomethane	50.0	51.3		ug/L		103	10 - 160
2-Butanone (MEK)	200	196		ug/L		98	61 - 145
n-Butylbenzene	50.0	50.3		ug/L		101	67 - 130
sec-Butylbenzene	50.0	51.6		ug/L		103	66 - 130
tert-Butylbenzene	50.0	49.8		ug/L		100	64 - 139
Carbon disulfide	50.0	44.3		ug/L		89	61 - 137
Carbon tetrachloride	50.0	52.7		ug/L		105	61 - 137
Chlorobenzene	50.0	53.6		ug/L		107	70 - 130
Chloroethane	50.0	44.7		ug/L		89	55 - 141
Chloroform	50.0	48.9		ug/L		98	69 - 130
Chloromethane	50.0	40.3		ug/L		81	58 - 137
2-Chlorotoluene	50.0	46.3		ug/L		93	70 - 130
4-Chlorotoluene	50.0	45.3		ug/L		91	70 - 130
Dibromochloromethane	50.0	52.9		ug/L		106	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	51.0		ug/L		102	54 - 135
1,2-Dibromoethane	50.0	49.1		ug/L		98	70 - 130
Dibromomethane	50.0	46.4		ug/L		93	70 - 130
1,2-Dichlorobenzene	50.0	51.3		ug/L		103	67 - 130
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 130
trans-1,4-Dichloro-2-butene	50.0	39.4		ug/L		79	57 - 140
Dichlorodifluoromethane	50.0	48.1		ug/L		96	41 - 146
1,1-Dichloroethane	50.0	44.0		ug/L		88	70 - 130
1,2-Dichloroethane	50.0	45.6		ug/L		91	69 - 130
cis-1,2-Dichloroethene	50.0	44.3		ug/L		89	68 - 130
trans-1,2-Dichloroethene	50.0	49.7		ug/L		99	70 - 130
1,1-Dichloroethene	50.0	48.7		ug/L		97	63 - 134
1,2-Dichloropropane	50.0	43.5		ug/L		87	70 - 130
1,3-Dichloropropane	50.0	44.3		ug/L		89	70 - 130
2,2-Dichloropropane	50.0	49.7		ug/L		99	52 - 135
1,1-Dichloropropene	50.0	49.3		ug/L		99	70 - 130
cis-1,3-Dichloropropene	50.0	46.5		ug/L		93	69 - 132
trans-1,3-Dichloropropene	50.0	44.7		ug/L		89	63 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-557569/1002

Matrix: Water

Analysis Batch: 557569

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	50.0	50.0		ug/L		100	70 - 130
Hexachlorobutadiene	50.0	59.3		ug/L		119	53 - 140
2-Hexanone	200	199		ug/L		99	65 - 137
Iodomethane	50.0	52.6		ug/L		105	27 - 159
Isopropylbenzene	50.0	54.6		ug/L		109	70 - 130
p-Isopropyltoluene	50.0	52.1		ug/L		104	65 - 130
Methylene Chloride	50.0	43.9		ug/L		88	66 - 135
4-Methyl-2-pentanone (MIBK)	200	159		ug/L		79	69 - 138
Methyl tert-butyl ether	50.0	45.1		ug/L		90	66 - 130
Naphthalene	50.0	47.2		ug/L		94	47 - 149
N-Propylbenzene	50.0	54.0		ug/L		108	70 - 130
Styrene	50.0	51.5		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	50.0	53.2		ug/L		106	67 - 131
1,1,2,2-Tetrachloroethane	50.0	42.0		ug/L		84	70 - 131
Tetrachloroethylene	50.0	49.8		ug/L		100	65 - 130
Toluene	50.0	49.6		ug/L		99	70 - 130
1,2,3-Trichlorobenzene	50.0	54.7		ug/L		109	60 - 138
1,2,4-Trichlorobenzene	50.0	57.3		ug/L		115	60 - 140
1,1,1-Trichloroethane	50.0	49.6		ug/L		99	68 - 130
1,1,2-Trichloroethane	50.0	46.3		ug/L		93	70 - 130
Trichloroethene	50.0	52.3		ug/L		105	70 - 130
Trichlorofluoromethane	50.0	56.5		ug/L		113	65 - 138
1,2,3-Trichloropropane	50.0	48.8		ug/L		98	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.8		ug/L		106	60 - 139
1,2,4-Trimethylbenzene	50.0	49.2		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	69 - 130
Vinyl acetate	100	101		ug/L		101	26 - 160
Vinyl chloride	50.0	45.7		ug/L		91	59 - 136
o-Xylene	50.0	50.0		ug/L		100	70 - 130
m-Xylene & p-Xylene	50.0	49.6		ug/L		99	70 - 130
Xylenes, Total	100	99.6		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	88		72 - 119
Dibromofluoromethane	98		75 - 126
Toluene-d8 (Surr)	99		64 - 132
1,2-Dichloroethane-d4 (Surr)	96		67 - 134

Lab Sample ID: MB 400-557906/4

Matrix: Water

Analysis Batch: 557906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/01/21 12:02	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/01/21 12:02	1
Benzene	0.13	U	1.0	0.13	ug/L			12/01/21 12:02	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 12:02	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/01/21 12:02	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-557906/4

Matrix: Water

Analysis Batch: 557906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/01/21 12:02	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/01/21 12:02	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/01/21 12:02	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/01/21 12:02	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/01/21 12:02	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/01/21 12:02	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/01/21 12:02	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/01/21 12:02	1
Chloroethane	0.76	U	1.0	0.76	ug/L			12/01/21 12:02	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/01/21 12:02	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/01/21 12:02	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/01/21 12:02	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/01/21 12:02	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/01/21 12:02	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/01/21 12:02	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/01/21 12:02	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/01/21 12:02	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/01/21 12:02	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/01/21 12:02	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/01/21 12:02	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/01/21 12:02	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/01/21 12:02	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/01/21 12:02	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/01/21 12:02	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/01/21 12:02	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/01/21 12:02	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/01/21 12:02	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/01/21 12:02	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/01/21 12:02	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/01/21 12:02	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/01/21 12:02	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/01/21 12:02	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/01/21 12:02	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/01/21 12:02	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/01/21 12:02	1
Styrene	1.0	U	1.0	1.0	ug/L			12/01/21 12:02	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/01/21 12:02	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-557906/4

Matrix: Water

Analysis Batch: 557906

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/01/21 12:02	1
Toluene	0.41	U	1.0	0.41	ug/L			12/01/21 12:02	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/01/21 12:02	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/01/21 12:02	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/01/21 12:02	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/01/21 12:02	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/01/21 12:02	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/01/21 12:02	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/01/21 12:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/01/21 12:02	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/01/21 12:02	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/01/21 12:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/01/21 12:02	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/01/21 12:02	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/01/21 12:02	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/01/21 12:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 119		12/01/21 12:02	1
Dibromofluoromethane	108		75 - 126		12/01/21 12:02	1
Toluene-d8 (Surr)	98		64 - 132		12/01/21 12:02	1
1,2-Dichloroethane-d4 (Surr)	111		67 - 134		12/01/21 12:02	1

Lab Sample ID: LCS 400-557906/1002

Matrix: Water

Analysis Batch: 557906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	166		ug/L		83	43 - 160
Acrylonitrile	500	443		ug/L		89	64 - 142
Benzene	50.0	48.5		ug/L		97	70 - 130
Bromobenzene	50.0	43.8		ug/L		88	70 - 132
Bromochloromethane	50.0	49.4		ug/L		99	70 - 130
Bromodichloromethane	50.0	53.9		ug/L		108	67 - 133
Bromoform	50.0	50.9		ug/L		102	57 - 140
Bromomethane	25.0	31.7		ug/L		127	10 - 160
2-Butanone (MEK)	200	159		ug/L		79	61 - 145
n-Butylbenzene	50.0	47.3		ug/L		95	67 - 130
sec-Butylbenzene	50.0	45.1		ug/L		90	66 - 130
tert-Butylbenzene	50.0	46.7		ug/L		93	64 - 139
Carbon disulfide	50.0	47.1		ug/L		94	61 - 137
Carbon tetrachloride	50.0	53.0		ug/L		106	61 - 137
Chlorobenzene	50.0	46.8		ug/L		94	70 - 130
Chloroethane	25.0	29.5		ug/L		118	55 - 141
Chloroform	50.0	50.7		ug/L		101	69 - 130
Chloromethane	25.0	20.3		ug/L		81	58 - 137
2-Chlorotoluene	50.0	46.8		ug/L		94	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-557906/1002

Matrix: Water

Analysis Batch: 557906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	46.9		ug/L		94	70 - 130
Dibromochloromethane	50.0	51.7		ug/L		103	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	44.6		ug/L		89	54 - 135
1,2-Dibromoethane	50.0	48.5		ug/L		97	70 - 130
Dibromomethane	50.0	50.4		ug/L		101	70 - 130
1,2-Dichlorobenzene	50.0	44.5		ug/L		89	67 - 130
1,3-Dichlorobenzene	50.0	44.1		ug/L		88	70 - 130
1,4-Dichlorobenzene	50.0	43.7		ug/L		87	70 - 130
trans-1,4-Dichloro-2-butene	50.0	50.2		ug/L		100	57 - 140
Dichlorodifluoromethane	25.0	23.2		ug/L		93	41 - 146
1,1-Dichloroethane	50.0	48.6		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	49.8		ug/L		100	69 - 130
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	68 - 130
trans-1,2-Dichloroethene	50.0	49.7		ug/L		99	70 - 130
1,1-Dichloroethene	50.0	51.3		ug/L		103	63 - 134
1,2-Dichloropropane	50.0	49.7		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	49.1		ug/L		98	70 - 130
2,2-Dichloropropane	50.0	53.2		ug/L		106	52 - 135
1,1-Dichloropropene	50.0	50.3		ug/L		101	70 - 130
cis-1,3-Dichloropropene	50.0	50.9		ug/L		102	69 - 132
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	63 - 130
Ethylbenzene	50.0	47.5		ug/L		95	70 - 130
Hexachlorobutadiene	50.0	43.9		ug/L		88	53 - 140
2-Hexanone	200	166		ug/L		83	65 - 137
Iodomethane	50.0	46.2		ug/L		92	27 - 159
Isopropylbenzene	50.0	45.9		ug/L		92	70 - 130
p-Isopropyltoluene	50.0	45.5		ug/L		91	65 - 130
Methylene Chloride	50.0	47.6		ug/L		95	66 - 135
4-Methyl-2-pentanone (MIBK)	200	194		ug/L		97	69 - 138
Methyl tert-butyl ether	50.0	48.5		ug/L		97	66 - 130
Naphthalene	50.0	41.2		ug/L		82	47 - 149
N-Propylbenzene	50.0	46.8		ug/L		94	70 - 130
Styrene	50.0	46.0		ug/L		92	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.7		ug/L		97	67 - 131
1,1,2,2-Tetrachloroethane	50.0	48.7		ug/L		97	70 - 131
Tetrachloroethylene	50.0	46.7		ug/L		93	65 - 130
Toluene	50.0	47.1		ug/L		94	70 - 130
1,2,3-Trichlorobenzene	50.0	41.8		ug/L		84	60 - 138
1,2,4-Trichlorobenzene	50.0	42.7		ug/L		85	60 - 140
1,1,1-Trichloroethane	50.0	52.1		ug/L		104	68 - 130
1,1,2-Trichloroethane	50.0	49.7		ug/L		99	70 - 130
Trichloroethene	50.0	46.9		ug/L		94	70 - 130
Trichlorofluoromethane	25.0	28.4		ug/L		114	65 - 138
1,2,3-Trichloropropane	50.0	47.8		ug/L		96	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.6		ug/L		101	60 - 139
1,2,4-Trimethylbenzene	50.0	45.4		ug/L		91	70 - 130
1,3,5-Trimethylbenzene	50.0	45.3		ug/L		91	69 - 130
Vinyl acetate	50.0	50.0		ug/L		100	26 - 160

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-557906/1002

Matrix: Water

Analysis Batch: 557906

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.0	24.3		ug/L		97	59 - 136
o-Xylene	50.0	47.5		ug/L		95	70 - 130
m-Xylene & p-Xylene	50.0	46.7		ug/L		93	70 - 130
Xylenes, Total	100	94.2		ug/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	104		72 - 119
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	100		64 - 132
1,2-Dichloroethane-d4 (Surr)	103		67 - 134

Lab Sample ID: 680-207821-1 MS

Matrix: Water

Analysis Batch: 557906

Client Sample ID: OLF-G50

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	U	200	140		ug/L		70	43 - 150
Acrylonitrile	2.8	U	500	473		ug/L		95	62 - 149
Benzene	0.13	U	50.0	47.5		ug/L		95	56 - 142
Bromobenzene	0.54	U	50.0	42.8		ug/L		86	59 - 136
Bromochloromethane	0.21	U	50.0	48.9		ug/L		98	64 - 140
Bromodichloromethane	0.50	U	50.0	53.4		ug/L		107	59 - 143
Bromoform	0.25	U	50.0	51.0		ug/L		102	50 - 140
Bromomethane	0.98	U F1	25.0	28.2		ug/L		113	10 - 150
2-Butanone (MEK)	2.6	U	200	156		ug/L		78	55 - 150
n-Butylbenzene	0.76	U	50.0	45.1		ug/L		90	41 - 142
sec-Butylbenzene	0.70	U	50.0	42.1		ug/L		84	50 - 138
tert-Butylbenzene	0.63	U	50.0	44.1		ug/L		88	54 - 146
Carbon disulfide	0.50	U	50.0	43.8		ug/L		88	48 - 150
Carbon tetrachloride	0.19	U	50.0	50.6		ug/L		101	55 - 145
Chlorobenzene	0.15	U	50.0	44.2		ug/L		88	64 - 130
Chloroethane	0.76	U	25.0	28.3		ug/L		113	50 - 150
Chloroform	0.60	U	50.0	50.5		ug/L		101	60 - 141
Chloromethane	0.32	U	25.0	20.3		ug/L		81	49 - 148
2-Chlorotoluene	0.57	U	50.0	45.0		ug/L		90	53 - 134
4-Chlorotoluene	0.56	U	50.0	44.3		ug/L		89	54 - 133
Dibromochloromethane	0.24	U	50.0	50.8		ug/L		102	56 - 143
1,2-Dibromo-3-Chloropropane	1.5	U	50.0	44.3		ug/L		89	45 - 135
1,2-Dibromoethane	0.23	U	50.0	47.8		ug/L		96	64 - 132
Dibromomethane	0.22	U	50.0	51.1		ug/L		102	63 - 138
1,2-Dichlorobenzene	0.50	U	50.0	43.5		ug/L		87	52 - 137
1,3-Dichlorobenzene	0.54	U	50.0	42.1		ug/L		84	54 - 135
1,4-Dichlorobenzene	0.64	U	50.0	41.7		ug/L		83	53 - 135
trans-1,4-Dichloro-2-butene	1.0	U	50.0	54.8		ug/L		110	43 - 147
Dichlorodifluoromethane	0.85	U	25.0	22.2		ug/L		89	16 - 150
1,1-Dichloroethane	0.50	U	50.0	47.3		ug/L		95	61 - 144
1,2-Dichloroethane	0.19	U	50.0	51.3		ug/L		103	60 - 141
cis-1,2-Dichloroethene	8.4		50.0	54.5		ug/L		92	59 - 143

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: 680-207821-1 MS

Matrix: Water

Analysis Batch: 557906

Client Sample ID: OLF-G50

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	2.7		50.0	49.3		ug/L		93	61 - 143
1,1-Dichloroethene	0.50	U	50.0	48.3		ug/L		97	54 - 147
1,2-Dichloropropane	0.50	U	50.0	48.3		ug/L		97	66 - 137
1,3-Dichloropropane	0.50	U	50.0	48.2		ug/L		96	66 - 133
2,2-Dichloropropane	0.50	U	50.0	51.0		ug/L		102	42 - 144
1,1-Dichloropropene	0.50	U	50.0	47.9		ug/L		96	65 - 136
cis-1,3-Dichloropropene	0.50	U	50.0	49.2		ug/L		98	57 - 140
trans-1,3-Dichloropropene	0.20	U	50.0	51.1		ug/L		102	53 - 133
Ethylbenzene	0.50	U	50.0	44.6		ug/L		89	58 - 131
Hexachlorobutadiene	0.90	U	50.0	41.0		ug/L		82	31 - 149
2-Hexanone	1.4	U	200	163		ug/L		82	65 - 140
Iodomethane	0.90	U	50.0	46.0		ug/L		92	20 - 150
Isopropylbenzene	0.53	U	50.0	42.2		ug/L		84	56 - 133
p-Isopropyltoluene	0.71	U	50.0	42.5		ug/L		85	48 - 139
Methylene Chloride	3.0	U	50.0	46.3		ug/L		93	60 - 146
4-Methyl-2-pentanone (MIBK)	1.8	U	200	205		ug/L		103	63 - 146
Methyl tert-butyl ether	0.22	U	50.0	49.1		ug/L		98	59 - 137
Naphthalene	1.0	U	50.0	41.9		ug/L		84	25 - 150
N-Propylbenzene	0.69	U	50.0	44.1		ug/L		88	51 - 138
Styrene	1.0	U	50.0	43.5		ug/L		87	58 - 131
1,1,1,2-Tetrachloroethane	0.16	U	50.0	48.1		ug/L		96	59 - 137
1,1,2,2-Tetrachloroethane	27		50.0	77.2		ug/L		100	66 - 135
Tetrachloroethylene	0.71	J	50.0	41.3		ug/L		81	52 - 133
Toluene	0.41	U	50.0	44.1		ug/L		88	65 - 130
1,2,3-Trichlorobenzene	0.19	U	50.0	40.8		ug/L		82	43 - 145
1,2,4-Trichlorobenzene	0.82	U	50.0	40.9		ug/L		82	39 - 148
1,1,1-Trichloroethane	0.18	U	50.0	50.6		ug/L		101	57 - 142
1,1,2-Trichloroethane	1.3	J	50.0	50.9		ug/L		99	66 - 131
Trichloroethene	110	F1	50.0	137	F1	ug/L		52	64 - 136
Trichlorofluoromethane	0.52	U	25.0	27.8		ug/L		111	54 - 150
1,2,3-Trichloropropane	0.84	U	50.0	51.9		ug/L		104	65 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	50.0	45.8		ug/L		92	55 - 150
1,2,4-Trimethylbenzene	0.82	U	50.0	42.4		ug/L		85	50 - 139
1,3,5-Trimethylbenzene	0.56	U	50.0	42.7		ug/L		85	52 - 135
Vinyl acetate	0.93	U	50.0	49.9		ug/L		100	26 - 150
Vinyl chloride	0.50	U	25.0	23.1		ug/L		92	46 - 150
o-Xylene	0.60	U	50.0	44.5		ug/L		89	61 - 130
m-Xylene & p-Xylene	0.63	U	50.0	43.3		ug/L		87	57 - 130
Xylenes, Total	1.6	U	100	87.8		ug/L		88	59 - 130
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
4-Bromofluorobenzene	104		72 - 119						
Dibromofluoromethane	106		75 - 126						
Toluene-d8 (Surr)	99		64 - 132						
1,2-Dichloroethane-d4 (Surr)	108		67 - 134						

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: 680-207821-1 MSD

Matrix: Water

Analysis Batch: 557906

Client Sample ID: OLF-G50

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	10	U	200	136		ug/L		68	43 - 150	2	30
Acrylonitrile	2.8	U	500	468		ug/L		94	62 - 149	1	30
Benzene	0.13	U	50.0	46.5		ug/L		93	56 - 142	2	30
Bromobenzene	0.54	U	50.0	41.2		ug/L		82	59 - 136	4	30
Bromochloromethane	0.21	U	50.0	47.5		ug/L		95	64 - 140	3	30
Bromodichloromethane	0.50	U	50.0	52.3		ug/L		105	59 - 143	2	30
Bromoform	0.25	U	50.0	50.5		ug/L		101	50 - 140	1	30
Bromomethane	0.98	U F1	25.0	36.3		ug/L		145	10 - 150	25	50
2-Butanone (MEK)	2.6	U	200	154		ug/L		77	55 - 150	1	30
n-Butylbenzene	0.76	U	50.0	41.4		ug/L		83	41 - 142	9	31
sec-Butylbenzene	0.70	U	50.0	40.2		ug/L		80	50 - 138	4	30
tert-Butylbenzene	0.63	U	50.0	42.0		ug/L		84	54 - 146	5	30
Carbon disulfide	0.50	U	50.0	44.0		ug/L		88	48 - 150	1	30
Carbon tetrachloride	0.19	U	50.0	50.7		ug/L		101	55 - 145	0	30
Chlorobenzene	0.15	U	50.0	43.0		ug/L		86	64 - 130	3	30
Chloroethane	0.76	U	25.0	29.2		ug/L		117	50 - 150	3	30
Chloroform	0.60	U	50.0	49.1		ug/L		98	60 - 141	3	30
Chloromethane	0.32	U	25.0	21.5		ug/L		86	49 - 148	6	31
2-Chlorotoluene	0.57	U	50.0	42.2		ug/L		84	53 - 134	6	30
4-Chlorotoluene	0.56	U	50.0	42.8		ug/L		86	54 - 133	3	30
Dibromochloromethane	0.24	U	50.0	48.6		ug/L		97	56 - 143	4	30
1,2-Dibromo-3-Chloropropane	1.5	U	50.0	45.2		ug/L		90	45 - 135	2	30
1,2-Dibromoethane	0.23	U	50.0	46.5		ug/L		93	64 - 132	3	30
Dibromomethane	0.22	U	50.0	51.8		ug/L		104	63 - 138	1	30
1,2-Dichlorobenzene	0.50	U	50.0	42.0		ug/L		84	52 - 137	3	30
1,3-Dichlorobenzene	0.54	U	50.0	40.1		ug/L		80	54 - 135	5	30
1,4-Dichlorobenzene	0.64	U	50.0	39.5		ug/L		79	53 - 135	5	30
trans-1,4-Dichloro-2-butene	1.0	U	50.0	52.1		ug/L		104	43 - 147	5	36
Dichlorodifluoromethane	0.85	U	25.0	23.1		ug/L		92	16 - 150	4	31
1,1-Dichloroethane	0.50	U	50.0	47.0		ug/L		94	61 - 144	0	30
1,2-Dichloroethane	0.19	U	50.0	50.8		ug/L		102	60 - 141	1	30
cis-1,2-Dichloroethene	8.4		50.0	54.2		ug/L		92	59 - 143	0	30
trans-1,2-Dichloroethene	2.7		50.0	49.9		ug/L		94	61 - 143	1	30
1,1-Dichloroethene	0.50	U	50.0	48.0		ug/L		96	54 - 147	1	30
1,2-Dichloropropane	0.50	U	50.0	47.1		ug/L		94	66 - 137	2	30
1,3-Dichloropropane	0.50	U	50.0	47.7		ug/L		95	66 - 133	1	30
2,2-Dichloropropane	0.50	U	50.0	51.2		ug/L		102	42 - 144	0	31
1,1-Dichloropropene	0.50	U	50.0	47.5		ug/L		95	65 - 136	1	30
cis-1,3-Dichloropropene	0.50	U	50.0	48.8		ug/L		98	57 - 140	1	30
trans-1,3-Dichloropropene	0.20	U	50.0	49.5		ug/L		99	53 - 133	3	30
Ethylbenzene	0.50	U	50.0	42.6		ug/L		85	58 - 131	4	30
Hexachlorobutadiene	0.90	U	50.0	38.2		ug/L		76	31 - 149	7	36
2-Hexanone	1.4	U	200	159		ug/L		80	65 - 140	2	30
Iodomethane	0.90	U	50.0	48.8		ug/L		98	20 - 150	6	44
Isopropylbenzene	0.53	U	50.0	40.7		ug/L		81	56 - 133	3	30
p-Isopropyltoluene	0.71	U	50.0	40.4		ug/L		81	48 - 139	5	30
Methylene Chloride	3.0	U	50.0	45.8		ug/L		92	60 - 146	1	32
4-Methyl-2-pentanone (MIBK)	1.8	U	200	201		ug/L		100	63 - 146	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: 680-207821-1 MSD

Matrix: Water

Analysis Batch: 557906

Client Sample ID: OLF-G50

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.22	U	50.0	48.3		ug/L		97	59 - 137	2	30
Naphthalene	1.0	U	50.0	41.2		ug/L		82	25 - 150	2	30
N-Propylbenzene	0.69	U	50.0	42.2		ug/L		84	51 - 138	4	30
Styrene	1.0	U	50.0	41.7		ug/L		83	58 - 131	4	30
1,1,1,2-Tetrachloroethane	0.16	U	50.0	46.4		ug/L		93	59 - 137	4	30
1,1,2,2-Tetrachloroethane	27		50.0	76.2		ug/L		98	66 - 135	1	30
Tetrachloroethylene	0.71	J	50.0	39.6		ug/L		78	52 - 133	4	30
Toluene	0.41	U	50.0	43.1		ug/L		86	65 - 130	2	30
1,2,3-Trichlorobenzene	0.19	U	50.0	39.9		ug/L		80	43 - 145	2	30
1,2,4-Trichlorobenzene	0.82	U	50.0	38.3		ug/L		77	39 - 148	7	30
1,1,1-Trichloroethane	0.18	U	50.0	50.2		ug/L		100	57 - 142	1	30
1,1,2-Trichloroethane	1.3	J	50.0	48.6		ug/L		95	66 - 131	5	30
Trichloroethene	110	F1	50.0	131	F1	ug/L		40	64 - 136	4	30
Trichlorofluoromethane	0.52	U	25.0	28.2		ug/L		113	54 - 150	1	30
1,2,3-Trichloropropane	0.84	U	50.0	50.5		ug/L		101	65 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	50.0	46.2		ug/L		92	55 - 150	1	30
1,2,4-Trimethylbenzene	0.82	U	50.0	40.3		ug/L		81	50 - 139	5	30
1,3,5-Trimethylbenzene	0.56	U	50.0	40.8		ug/L		82	52 - 135	5	30
Vinyl acetate	0.93	U	50.0	50.1		ug/L		100	26 - 150	0	33
Vinyl chloride	0.50	U	25.0	24.3		ug/L		97	46 - 150	5	30
o-Xylene	0.60	U	50.0	43.3		ug/L		87	61 - 130	3	30
m-Xylene & p-Xylene	0.63	U	50.0	41.6		ug/L		83	57 - 130	4	30
Xylenes, Total	1.6	U	100	84.9		ug/L		85	59 - 130	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	103		72 - 119
Dibromofluoromethane	102		75 - 126
Toluene-d8 (Surr)	98		64 - 132
1,2-Dichloroethane-d4 (Surr)	106		67 - 134

Lab Sample ID: MB 400-558075/4

Matrix: Water

Analysis Batch: 558075

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/02/21 09:30	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/02/21 09:30	1
Benzene	0.13	U	1.0	0.13	ug/L			12/02/21 09:30	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 09:30	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/02/21 09:30	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/02/21 09:30	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/02/21 09:30	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/02/21 09:30	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/02/21 09:30	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/02/21 09:30	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/02/21 09:30	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-558075/4

Matrix: Water

Analysis Batch: 558075

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/02/21 09:30	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 09:30	1
Chloroethane	0.76	U	1.0	0.76	ug/L			12/02/21 09:30	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/02/21 09:30	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/02/21 09:30	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/02/21 09:30	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/02/21 09:30	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/02/21 09:30	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/02/21 09:30	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/02/21 09:30	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/02/21 09:30	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/02/21 09:30	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/02/21 09:30	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/02/21 09:30	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/02/21 09:30	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/02/21 09:30	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 09:30	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/02/21 09:30	1
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/02/21 09:30	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/02/21 09:30	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/02/21 09:30	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/02/21 09:30	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/02/21 09:30	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/02/21 09:30	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/02/21 09:30	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/02/21 09:30	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/02/21 09:30	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/02/21 09:30	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/02/21 09:30	1
Styrene	1.0	U	1.0	1.0	ug/L			12/02/21 09:30	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/02/21 09:30	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/02/21 09:30	1
Toluene	0.41	U	1.0	0.41	ug/L			12/02/21 09:30	1
1,2,3-Trichlorobenzene	0.19	U	1.0	0.19	ug/L			12/02/21 09:30	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/02/21 09:30	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/02/21 09:30	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/02/21 09:30	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/02/21 09:30	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/02/21 09:30	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-558075/4

Matrix: Water

Analysis Batch: 558075

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/02/21 09:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/02/21 09:30	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/02/21 09:30	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/02/21 09:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/02/21 09:30	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/02/21 09:30	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/02/21 09:30	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/02/21 09:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119		12/02/21 09:30	1
Dibromofluoromethane	100		75 - 126		12/02/21 09:30	1
Toluene-d8 (Surr)	92		64 - 132		12/02/21 09:30	1
1,2-Dichloroethane-d4 (Surr)	103		67 - 134		12/02/21 09:30	1

Lab Sample ID: LCS 400-558075/1002

Matrix: Water

Analysis Batch: 558075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	168		ug/L		84	43 - 160
Acrylonitrile	500	390		ug/L		78	64 - 142
Benzene	50.0	44.5		ug/L		89	70 - 130
Bromobenzene	50.0	48.0		ug/L		96	70 - 132
Bromochloromethane	50.0	40.7		ug/L		81	70 - 130
Bromodichloromethane	50.0	45.0		ug/L		90	67 - 133
Bromoform	50.0	46.6		ug/L		93	57 - 140
Bromomethane	50.0	35.6		ug/L		71	10 - 160
2-Butanone (MEK)	200	169		ug/L		84	61 - 145
n-Butylbenzene	50.0	53.0		ug/L		106	67 - 130
sec-Butylbenzene	50.0	56.2		ug/L		112	66 - 130
tert-Butylbenzene	50.0	61.7		ug/L		123	64 - 139
Carbon disulfide	50.0	45.4		ug/L		91	61 - 137
Carbon tetrachloride	50.0	45.2		ug/L		90	61 - 137
Chlorobenzene	50.0	46.6		ug/L		93	70 - 130
Chloroethane	50.0	45.3		ug/L		91	55 - 141
Chloroform	50.0	42.8		ug/L		86	69 - 130
Chloromethane	50.0	42.1		ug/L		84	58 - 137
2-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
4-Chlorotoluene	50.0	51.5		ug/L		103	70 - 130
Dibromochloromethane	50.0	45.0		ug/L		90	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	44.2		ug/L		88	54 - 135
1,2-Dibromoethane	50.0	42.3		ug/L		85	70 - 130
Dibromomethane	50.0	43.7		ug/L		87	70 - 130
1,2-Dichlorobenzene	50.0	46.8		ug/L		94	67 - 130
1,3-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	48.7		ug/L		97	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-558075/1002

Matrix: Water

Analysis Batch: 558075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,4-Dichloro-2-butene	50.0	44.8		ug/L		90	57 - 140
Dichlorodifluoromethane	50.0	44.1		ug/L		88	41 - 146
1,1-Dichloroethane	50.0	42.0		ug/L		84	70 - 130
1,2-Dichloroethane	50.0	40.5		ug/L		81	69 - 130
cis-1,2-Dichloroethane	50.0	42.3		ug/L		85	68 - 130
trans-1,2-Dichloroethane	50.0	42.6		ug/L		85	70 - 130
1,1-Dichloroethene	50.0	40.9		ug/L		82	63 - 134
1,2-Dichloropropane	50.0	44.4		ug/L		89	70 - 130
1,3-Dichloropropane	50.0	43.7		ug/L		87	70 - 130
2,2-Dichloropropane	50.0	42.5		ug/L		85	52 - 135
1,1-Dichloropropene	50.0	46.0		ug/L		92	70 - 130
cis-1,3-Dichloropropene	50.0	46.1		ug/L		92	69 - 132
trans-1,3-Dichloropropene	50.0	46.8		ug/L		94	63 - 130
Ethylbenzene	50.0	50.5		ug/L		101	70 - 130
Hexachlorobutadiene	50.0	49.4		ug/L		99	53 - 140
2-Hexanone	200	174		ug/L		87	65 - 137
Iodomethane	50.0	43.3		ug/L		87	27 - 159
Isopropylbenzene	50.0	49.4		ug/L		99	70 - 130
p-Isopropyltoluene	50.0	55.6		ug/L		111	65 - 130
Methylene Chloride	50.0	40.4		ug/L		81	66 - 135
4-Methyl-2-pentanone (MIBK)	200	170		ug/L		85	69 - 138
Methyl tert-butyl ether	50.0	40.4		ug/L		81	66 - 130
Naphthalene	50.0	47.3		ug/L		95	47 - 149
N-Propylbenzene	50.0	53.4		ug/L		107	70 - 130
Styrene	50.0	46.7		ug/L		93	70 - 130
1,1,1,2-Tetrachloroethane	50.0	44.7		ug/L		89	67 - 131
1,1,2,2-Tetrachloroethane	50.0	46.2		ug/L		92	70 - 131
Tetrachloroethylene	50.0	44.8		ug/L		90	65 - 130
Toluene	50.0	45.5		ug/L		91	70 - 130
1,2,3-Trichlorobenzene	50.0	47.3		ug/L		95	60 - 138
1,2,4-Trichlorobenzene	50.0	48.3		ug/L		97	60 - 140
1,1,1-Trichloroethane	50.0	44.2		ug/L		88	68 - 130
1,1,2-Trichloroethane	50.0	44.3		ug/L		89	70 - 130
Trichloroethene	50.0	45.3		ug/L		91	70 - 130
Trichlorofluoromethane	50.0	40.0		ug/L		80	65 - 138
1,2,3-Trichloropropane	50.0	44.5		ug/L		89	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	39.1		ug/L		78	60 - 139
1,2,4-Trimethylbenzene	50.0	53.1		ug/L		106	70 - 130
1,3,5-Trimethylbenzene	50.0	53.5		ug/L		107	69 - 130
Vinyl acetate	100	82.2		ug/L		82	26 - 160
Vinyl chloride	50.0	46.6		ug/L		93	59 - 136
o-Xylene	50.0	47.3		ug/L		95	70 - 130
m-Xylene & p-Xylene	50.0	50.3		ug/L		101	70 - 130
Xylenes, Total	100	97.6		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	107		72 - 119

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-558075/1002

Matrix: Water

Analysis Batch: 558075

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane	100		75 - 126
Toluene-d8 (Surr)	96		64 - 132
1,2-Dichloroethane-d4 (Surr)	99		67 - 134

Lab Sample ID: MB 400-558227/4

Matrix: Water

Analysis Batch: 558227

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	25	10	ug/L			12/03/21 12:04	1
Acrylonitrile	2.8	U	10	2.8	ug/L			12/03/21 12:04	1
Benzene	0.13	U	1.0	0.13	ug/L			12/03/21 12:04	1
Bromobenzene	0.54	U	1.0	0.54	ug/L			12/03/21 12:04	1
Bromochloromethane	0.21	U	1.0	0.21	ug/L			12/03/21 12:04	1
Bromodichloromethane	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
Bromoform	0.25	U	5.0	0.25	ug/L			12/03/21 12:04	1
Bromomethane	0.98	U	1.0	0.98	ug/L			12/03/21 12:04	1
2-Butanone (MEK)	2.6	U	25	2.6	ug/L			12/03/21 12:04	1
n-Butylbenzene	0.76	U	1.0	0.76	ug/L			12/03/21 12:04	1
sec-Butylbenzene	0.70	U	1.0	0.70	ug/L			12/03/21 12:04	1
tert-Butylbenzene	0.63	U	1.0	0.63	ug/L			12/03/21 12:04	1
Carbon disulfide	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
Carbon tetrachloride	0.19	U	1.0	0.19	ug/L			12/03/21 12:04	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 12:04	1
Chloroethane	0.76	U	1.0	0.76	ug/L			12/03/21 12:04	1
Chloroform	0.60	U	1.0	0.60	ug/L			12/03/21 12:04	1
Chloromethane	0.32	U	1.0	0.32	ug/L			12/03/21 12:04	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			12/03/21 12:04	1
4-Chlorotoluene	0.56	U	1.0	0.56	ug/L			12/03/21 12:04	1
Dibromochloromethane	0.24	U	1.0	0.24	ug/L			12/03/21 12:04	1
1,2-Dibromo-3-Chloropropane	1.5	U	5.0	1.5	ug/L			12/03/21 12:04	1
1,2-Dibromoethane	0.23	U	1.0	0.23	ug/L			12/03/21 12:04	1
Dibromomethane	0.22	U	5.0	0.22	ug/L			12/03/21 12:04	1
1,2-Dichlorobenzene	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
1,3-Dichlorobenzene	0.54	U	1.0	0.54	ug/L			12/03/21 12:04	1
1,4-Dichlorobenzene	0.64	U	1.0	0.64	ug/L			12/03/21 12:04	1
trans-1,4-Dichloro-2-butene	1.0	U	5.0	1.0	ug/L			12/03/21 12:04	1
Dichlorodifluoromethane	0.85	U	1.0	0.85	ug/L			12/03/21 12:04	1
1,1-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
1,2-Dichloroethane	0.19	U	1.0	0.19	ug/L			12/03/21 12:04	1
cis-1,2-Dichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 12:04	1
trans-1,2-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
1,1-Dichloroethene	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
1,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
1,3-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
2,2-Dichloropropane	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
1,1-Dichloropropene	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
cis-1,3-Dichloropropene	0.50	U	5.0	0.50	ug/L			12/03/21 12:04	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: MB 400-558227/4

Matrix: Water

Analysis Batch: 558227

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.20	U	5.0	0.20	ug/L			12/03/21 12:04	1
Ethylbenzene	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
Hexachlorobutadiene	0.90	U	5.0	0.90	ug/L			12/03/21 12:04	1
2-Hexanone	1.4	U	25	1.4	ug/L			12/03/21 12:04	1
Iodomethane	0.90	U	1.0	0.90	ug/L			12/03/21 12:04	1
Isopropylbenzene	0.53	U	1.0	0.53	ug/L			12/03/21 12:04	1
p-Isopropyltoluene	0.71	U	1.0	0.71	ug/L			12/03/21 12:04	1
Methylene Chloride	3.0	U	5.0	3.0	ug/L			12/03/21 12:04	1
4-Methyl-2-pentanone (MIBK)	1.8	U	25	1.8	ug/L			12/03/21 12:04	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			12/03/21 12:04	1
Naphthalene	1.0	U	1.0	1.0	ug/L			12/03/21 12:04	1
N-Propylbenzene	0.69	U	1.0	0.69	ug/L			12/03/21 12:04	1
Styrene	1.0	U	1.0	1.0	ug/L			12/03/21 12:04	1
1,1,1,2-Tetrachloroethane	0.16	U	1.0	0.16	ug/L			12/03/21 12:04	1
1,1,2,2-Tetrachloroethane	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
Tetrachloroethylene	0.12	U	1.0	0.12	ug/L			12/03/21 12:04	1
Toluene	0.41	U	1.0	0.41	ug/L			12/03/21 12:04	1
1,2,3-Trichlorobenzene	0.812	J	1.0	0.19	ug/L			12/03/21 12:04	1
1,2,4-Trichlorobenzene	0.82	U	1.0	0.82	ug/L			12/03/21 12:04	1
1,1,1-Trichloroethane	0.18	U	1.0	0.18	ug/L			12/03/21 12:04	1
1,1,2-Trichloroethane	0.21	U	5.0	0.21	ug/L			12/03/21 12:04	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			12/03/21 12:04	1
Trichlorofluoromethane	0.52	U	1.0	0.52	ug/L			12/03/21 12:04	1
1,2,3-Trichloropropane	0.84	U	5.0	0.84	ug/L			12/03/21 12:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
1,2,4-Trimethylbenzene	0.82	U	1.0	0.82	ug/L			12/03/21 12:04	1
1,3,5-Trimethylbenzene	0.56	U	1.0	0.56	ug/L			12/03/21 12:04	1
Vinyl acetate	0.93	U	25	0.93	ug/L			12/03/21 12:04	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/21 12:04	1
o-Xylene	0.60	U	5.0	0.60	ug/L			12/03/21 12:04	1
m-Xylene & p-Xylene	0.63	U	5.0	0.63	ug/L			12/03/21 12:04	1
Xylenes, Total	1.6	U	10	1.6	ug/L			12/03/21 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119		12/03/21 12:04	1
Dibromofluoromethane	106		75 - 126		12/03/21 12:04	1
Toluene-d8 (Surr)	85		64 - 132		12/03/21 12:04	1
1,2-Dichloroethane-d4 (Surr)	95		67 - 134		12/03/21 12:04	1

Lab Sample ID: LCS 400-558227/1002

Matrix: Water

Analysis Batch: 558227

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	200	152		ug/L		76	43 - 160
Acrylonitrile	500	755	*+	ug/L		151	64 - 142
Benzene	50.0	56.0		ug/L		112	70 - 130
Bromobenzene	50.0	56.7		ug/L		113	70 - 132

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-558227/1002

Matrix: Water

Analysis Batch: 558227

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromochloromethane	50.0	69.3	*+	ug/L		139	70 - 130
Bromodichloromethane	50.0	57.9		ug/L		116	67 - 133
Bromoform	50.0	57.4		ug/L		115	57 - 140
Bromomethane	25.0	28.7		ug/L		115	10 - 160
2-Butanone (MEK)	200	164		ug/L		82	61 - 145
n-Butylbenzene	50.0	52.4		ug/L		105	67 - 130
sec-Butylbenzene	50.0	58.6		ug/L		117	66 - 130
tert-Butylbenzene	50.0	50.8		ug/L		102	64 - 139
Carbon disulfide	50.0	64.4		ug/L		129	61 - 137
Carbon tetrachloride	50.0	53.1		ug/L		106	61 - 137
Chlorobenzene	50.0	55.4		ug/L		111	70 - 130
Chloroethane	25.0	24.4		ug/L		98	55 - 141
Chloroform	50.0	49.2		ug/L		98	69 - 130
Chloromethane	25.0	36.7	*+	ug/L		147	58 - 137
2-Chlorotoluene	50.0	52.2		ug/L		104	70 - 130
4-Chlorotoluene	50.0	52.6		ug/L		105	70 - 130
Dibromochloromethane	50.0	48.2		ug/L		96	67 - 135
1,2-Dibromo-3-Chloropropane	50.0	54.3		ug/L		109	54 - 135
1,2-Dibromoethane	50.0	51.8		ug/L		104	70 - 130
Dibromomethane	50.0	55.0		ug/L		110	70 - 130
1,2-Dichlorobenzene	50.0	56.6		ug/L		113	67 - 130
1,3-Dichlorobenzene	50.0	59.6		ug/L		119	70 - 130
1,4-Dichlorobenzene	50.0	57.8		ug/L		116	70 - 130
trans-1,4-Dichloro-2-butene	50.0	47.1		ug/L		94	57 - 140
Dichlorodifluoromethane	25.0	21.7		ug/L		87	41 - 146
1,1-Dichloroethane	50.0	52.3		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	47.6		ug/L		95	69 - 130
cis-1,2-Dichloroethene	50.0	54.2		ug/L		108	68 - 130
trans-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130
1,1-Dichloroethene	50.0	54.3		ug/L		109	63 - 134
1,2-Dichloropropane	50.0	59.1		ug/L		118	70 - 130
1,3-Dichloropropane	50.0	45.0		ug/L		90	70 - 130
2,2-Dichloropropane	50.0	48.1		ug/L		96	52 - 135
1,1-Dichloropropene	50.0	52.7		ug/L		105	70 - 130
cis-1,3-Dichloropropene	50.0	57.8		ug/L		116	69 - 132
trans-1,3-Dichloropropene	50.0	41.1		ug/L		82	63 - 130
Ethylbenzene	50.0	53.5		ug/L		107	70 - 130
Hexachlorobutadiene	50.0	51.8		ug/L		104	53 - 140
2-Hexanone	200	186		ug/L		93	65 - 137
Iodomethane	50.0	57.6		ug/L		115	27 - 159
Isopropylbenzene	50.0	63.3		ug/L		127	70 - 130
p-Isopropyltoluene	50.0	57.6		ug/L		115	65 - 130
Methylene Chloride	50.0	68.4	*+	ug/L		137	66 - 135
4-Methyl-2-pentanone (MIBK)	200	350	*+	ug/L		175	69 - 138
Methyl tert-butyl ether	50.0	50.9		ug/L		102	66 - 130
Naphthalene	50.0	53.6		ug/L		107	47 - 149
N-Propylbenzene	50.0	54.4		ug/L		109	70 - 130
Styrene	50.0	61.9		ug/L		124	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.8		ug/L		104	67 - 131

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

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

Lab Sample ID: LCS 400-558227/1002

Matrix: Water

Analysis Batch: 558227

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	50.0	53.3		ug/L		107	70 - 131
Tetrachloroethylene	50.0	48.4		ug/L		97	65 - 130
Toluene	50.0	45.5		ug/L		91	70 - 130
1,2,3-Trichlorobenzene	50.0	53.3		ug/L		107	60 - 138
1,2,4-Trichlorobenzene	50.0	54.5		ug/L		109	60 - 140
1,1,1-Trichloroethane	50.0	51.1		ug/L		102	68 - 130
1,1,2-Trichloroethane	50.0	44.4		ug/L		89	70 - 130
Trichloroethene	50.0	62.5		ug/L		125	70 - 130
Trichlorofluoromethane	25.0	30.7		ug/L		123	65 - 138
1,2,3-Trichloropropane	50.0	53.9		ug/L		108	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.9		ug/L		98	60 - 139
1,2,4-Trimethylbenzene	50.0	56.2		ug/L		112	70 - 130
1,3,5-Trimethylbenzene	50.0	57.0		ug/L		114	69 - 130
Vinyl acetate	50.0	45.1		ug/L		90	26 - 160
Vinyl chloride	25.0	30.2		ug/L		121	59 - 136
o-Xylene	50.0	56.1		ug/L		112	70 - 130
m-Xylene & p-Xylene	50.0	55.3		ug/L		111	70 - 130
Xylenes, Total	100	111		ug/L		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	94		72 - 119
Dibromofluoromethane	95		75 - 126
Toluene-d8 (Surr)	78		64 - 132
1,2-Dichloroethane-d4 (Surr)	85		67 - 134

QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

GC/MS VOA

Analysis Batch: 557542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207821-4	OLF-G52	Total/NA	Water	8260D	
680-207821-6	OLF-G70	Total/NA	Water	8260D	
MB 400-557542/5	Method Blank	Total/NA	Water	8260D	
LCS 400-557542/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 557569

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207821-9	OLF-G43	Total/NA	Water	8260D	
MB 400-557569/4	Method Blank	Total/NA	Water	8260D	
LCS 400-557569/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 557906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207821-1	OLF-G50	Total/NA	Water	8260D	
680-207821-2	OLF-G49	Total/NA	Water	8260D	
680-207821-3	OLF-G51	Total/NA	Water	8260D	
680-207821-10	Dup 381	Total/NA	Water	8260D	
MB 400-557906/4	Method Blank	Total/NA	Water	8260D	
LCS 400-557906/1002	Lab Control Sample	Total/NA	Water	8260D	
680-207821-1 MS	OLF-G50	Total/NA	Water	8260D	
680-207821-1 MSD	OLF-G50	Total/NA	Water	8260D	

Analysis Batch: 558075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207821-5	OLF-G31	Total/NA	Water	8260D	
680-207821-7	OLF-G26	Total/NA	Water	8260D	
680-207821-8	OLF-G32	Total/NA	Water	8260D	
680-207821-11	Dup 382	Total/NA	Water	8260D	
MB 400-558075/4	Method Blank	Total/NA	Water	8260D	
LCS 400-558075/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 558227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207821-12	TB 585	Total/NA	Water	8260D	
MB 400-558227/4	Method Blank	Total/NA	Water	8260D	
LCS 400-558227/1002	Lab Control Sample	Total/NA	Water	8260D	

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-207821-1

Date Collected: 11/17/21 11:35

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557906	12/01/21 12:28	CAR	TAL PEN
Instrument ID: CH_WASP										

Client Sample ID: OLF-G49

Lab Sample ID: 680-207821-2

Date Collected: 11/17/21 12:50

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557906	12/01/21 13:20	CAR	TAL PEN
Instrument ID: CH_WASP										

Client Sample ID: OLF-G51

Lab Sample ID: 680-207821-3

Date Collected: 11/17/21 10:10

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557906	12/01/21 13:46	CAR	TAL PEN
Instrument ID: CH_WASP										

Client Sample ID: OLF-G52

Lab Sample ID: 680-207821-4

Date Collected: 11/15/21 10:21

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557542	11/28/21 21:22	BPO	TAL PEN
Instrument ID: CH_TAN										

Client Sample ID: OLF-G31

Lab Sample ID: 680-207821-5

Date Collected: 11/18/21 12:45

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	558075	12/02/21 11:37	BEP	TAL PEN
Instrument ID: Argo										

Client Sample ID: OLF-G70

Lab Sample ID: 680-207821-6

Date Collected: 11/15/21 08:36

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557542	11/28/21 21:48	BPO	TAL PEN
Instrument ID: CH_TAN										

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Client Sample ID: OLF-G26

Lab Sample ID: 680-207821-7

Date Collected: 11/18/21 15:25

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	558075	12/02/21 12:01	BEP	TAL PEN
Instrument ID: Argo										

Client Sample ID: OLF-G32

Lab Sample ID: 680-207821-8

Date Collected: 11/18/21 10:00

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	558075	12/02/21 12:26	BEP	TAL PEN
Instrument ID: Argo										

Client Sample ID: OLF-G43

Lab Sample ID: 680-207821-9

Date Collected: 11/15/21 12:51

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557569	11/29/21 15:07	BEP	TAL PEN
Instrument ID: Rosalind										

Client Sample ID: Dup 381

Lab Sample ID: 680-207821-10

Date Collected: 11/17/21 00:00

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	557906	12/01/21 14:12	CAR	TAL PEN
Instrument ID: CH_WASP										

Client Sample ID: Dup 382

Lab Sample ID: 680-207821-11

Date Collected: 11/18/21 00:00

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	558075	12/02/21 12:50	BEP	TAL PEN
Instrument ID: Argo										

Client Sample ID: TB 585

Lab Sample ID: 680-207821-12

Date Collected: 11/19/21 10:00

Matrix: Water

Date Received: 11/20/21 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	558227	12/03/21 12:30	SAB	TAL PEN
Instrument ID: CH_CONAN										

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Eurofins TestAmerica, Savannah

Accreditation/Certification Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Laboratory: Eurofins TestAmerica, Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	10-31-22
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
Washington	State	C915	05-15-22
West Virginia DEP	State	136	12-31-21

Method Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207821-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL PEN
5030C	Purge and Trap	SW846	TAL PEN

Protocol References:

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

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Chain of Custody Record

Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM Savoie, Noel	Carrier Tracking No(s)	COC No 680-675357.1				
Client Contact		Phone	E-Mail Noel.Savoie@Eurofinset.com	State of Origin Alabama	Page Page 1 of 2				
Company TestAmerica Laboratories, Inc.		Accreditations Required (See note) NELAP - Florida		Job # 680-207821-1					
Address 3355 McLemore Drive,		Due Date Requested: 12/1/2021		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:					
City Pensacola		TAT Requested (days):		Analysis Requested					
State, Zip FL, 32514									
Phone 850-474-1001(Tel) 850-478-2671(Fax)		PO #							
Email:		WO #							
Project Name Parcel 80(6), Landfill 3		Project # 68019843							
Site		SSOW#							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D/5030C Volatile Organic Compounds	Total Number of Containers	Special Instructions/Note:
OLF-G50 (680-207821-1)	11/17/21	11:35 Central		Water		X		3	
OLF-G49 (680-207821-2)	11/17/21	12:50 Central		Water		X		3	
OLF-G51 (680-207821-3)	11/17/21	10:10 Central		Water		X		3	
OLF-G52 (680-207821-4)	11/15/21	10:21 Central		Water		X		3	
OLF-G31 (680-207821-5)	11/18/21	12:45 Central		Water		X		3	
OLF-G70 (680-207821-6)	11/15/21	08:36 Central		Water		X		3	
OLF-G26 (680-207821-7)	11/18/21	15:25 Central		Water		X		3	
OLF-G32 (680-207821-8)	11/18/21	10:00 Central		Water		X		3	
OLF-G43 (680-207821-9)	11/15/21	12:51 Central		Water		X		3	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica									
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date: 11/22/21 Relinquished by: _____ Date: _____ Relinquished by: _____ Date: _____ Custody Seals Intact: _____ Custody Seal No.: _____ Δ Yes Δ No									
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements:									
Received by: _____ Date: 11/22/21 Received by: _____ Date: _____ Received by: _____ Date: _____ Cooler Temperature(s) °C and Other Remarks: 200C (R7)									

[illegible]

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-207821-1

Login Number: 207821

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-207821-1

Login Number: 207821

List Source: Eurofins TestAmerica, Pensacola

List Number: 2

List Creation: 11/23/21 04:29 PM

Creator: Johnson, Avery D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0°C IR7
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

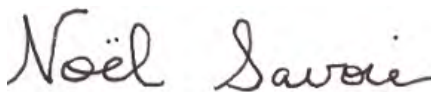
ANALYTICAL REPORT

Eurofins TestAmerica, Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

Laboratory Job ID: 680-207865-1
Client Project/Site: Parcel 80(6), Landfill 3

For:
Matrix Environmental Services, LLC
1601 Blake Street
Suite 200
Denver, Colorado 80202

Attn: Ms. Betty Van Pelt



Authorized for release by:
12/6/2021 4:50:43 PM

Noel Savoie, Project Manager I
(850)254-0107
Noel.Savoie@Eurofinset.com

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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.

Definitions/Glossary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

Sample Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-207865-1	OLF-G48	Water	11/20/21 15:50	11/23/21 10:45
680-207865-2	OLF-G77	Water	11/20/21 10:05	11/23/21 10:45
680-207865-3	OLF-G75 S5	Water	11/19/21 11:10	11/23/21 10:45
680-207865-4	OLF-G75 S3	Water	11/19/21 12:40	11/23/21 10:45
680-207865-5	OLF-G18	Water	11/22/21 10:01	11/23/21 10:45
680-207865-6	OLF-G19	Water	11/22/21 08:46	11/23/21 10:45
680-207865-7	OLF-G47	Water	11/20/21 14:45	11/23/21 10:45
680-207865-8	OLF-G78	Water	11/20/21 11:25	11/23/21 10:45
680-207865-9	OLF-G21	Water	11/22/21 11:06	11/23/21 10:45
680-207865-10	OLF-G36	Water	11/22/21 08:50	11/23/21 10:45
680-207865-11	OLF-G24	Water	11/21/21 10:45	11/23/21 10:45
680-207865-12	OLF-G35	Water	11/21/21 09:30	11/23/21 10:45
680-207865-13	OLF-G22	Water	11/22/21 11:40	11/23/21 10:45
680-207865-14	OLF-G20	Water	11/19/21 14:25	11/23/21 10:45
680-207865-15	OLF-G23	Water	11/21/21 13:30	11/23/21 10:45
680-207865-16	OLF-G07	Water	11/19/21 15:30	11/23/21 10:45
680-207865-17	OLF-G12	Water	11/22/21 10:10	11/23/21 10:45
680-207865-18	PPMP-229-GP12	Water	11/19/21 09:05	11/23/21 10:45
680-207865-19	OLF-G42	Water	11/20/21 12:45	11/23/21 10:45
680-207865-20	DUP-383	Water	11/19/21 00:00	11/23/21 10:45
680-207865-21	MB-109	Water	11/22/21 13:00	11/23/21 10:45
680-207865-22	EB-139	Water	11/22/21 12:45	11/23/21 10:45
680-207865-23	TB-586	Water	11/22/21 12:30	11/23/21 10:45

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Job ID: 680-207865-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-207865-1

Comments

No additional comments.

Receipt

The samples were received on 11/23/2021 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

GC/MS VOA

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: OLF-G77 (680-207865-2). Elevated reporting limits (RLs) are provided.

Method 8260D: The reporting limit (RL) provided for the following samples falls below the laboratory's verified standard quantitation limit for Tetrachloroethene: OLF-G48 (680-207865-1) and OLF-G36 (680-207865-10). Results reported below the verified standard quantitation limit have less certainty (i.e., are estimated) and must be used at the client's discretion. The continuing calibration blanks and method blanks may not support the lower RL.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 680-697014 was outside the method criteria for the following analytes: 1,2,4-Trichlorobenzene, Chloromethane, 1,2,3-Trichlorobenzene, Naphthalene, Bromoform, Bromobenzene, Bromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) associated with batch 680-697014 recovered outside advisory control limits for several analytes. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) met acceptance criteria; therefore, the results have been reported and qualified.

Method 8260D: The method blank for batch 680-697033 contained Acetone above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

Method 8260D: The continuing calibration verification (CCV) associated with batch 680-697033 recovered above the upper control limit for 1,2-Dichloroethane, cis-1,2-Dichloroethene and 1,1-Dichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 680-697033 recovered outside acceptance criteria, low biased, for 1,1,1,2-Tetrachloroethane, 1,2-Dichlorobenzene and Trichlorofluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The CCV for analytical batch 680-697033 recovered outside control limits for the following analyte(s): Carbon disulfide, Acetone, Chloroethane, Bromoform, Bromomethane and Vinyl acetate. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) associated with batch 680-697033 for Acetone, 4-Methyl-2-pentanone, 1,4-Dioxane and Vinyl acetate. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The surrogate recovery for the LCS associated with analytical batch 680-697033 was outside the upper control limits.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-697033.

Case Narrative

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Job ID: 680-207865-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Method 8260D: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-697186 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-697186 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 680-697186 exceeded control limits for the following analyte: Chloroethane, Note that this analyte is a known poor performer when analyzed using this method.

Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-697202.

Method 8260D: The laboratory control sample (LCS) for analytical batch 680-697341 recovered outside control limits for the following analyte(s): 4-Methyl-2-pentanone and Bromomethane. 4-Methyl-2-pentanone and Bromomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The laboratory control sample duplicate (LCSD) for analytical batch 680-697341 recovered outside control limits for the following analyte(s): 4-Methyl-2-pentanone, 2-Butanone and Bromomethane. 4-Methyl-2-pentanone, 2-Butanone and Bromomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-697341 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G48

Lab Sample ID: 680-207865-1

Date Collected: 11/20/21 15:50

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/04/21 17:45	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/04/21 17:45	1
Benzene	0.27	U	1.0	0.27	ug/L			12/04/21 17:45	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/04/21 17:45	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/04/21 17:45	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/04/21 17:45	1
Bromomethane	3.7	U **	5.0	3.7	ug/L			12/04/21 17:45	1
2-Butanone (MEK)	6.4	U **	10	6.4	ug/L			12/04/21 17:45	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/04/21 17:45	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/04/21 17:45	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/04/21 17:45	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/04/21 17:45	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/04/21 17:45	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/04/21 17:45	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/04/21 17:45	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/04/21 17:45	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/04/21 17:45	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/04/21 17:45	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/04/21 17:45	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/04/21 17:45	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/04/21 17:45	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/04/21 17:45	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/04/21 17:45	1
cis-1,2-Dichloroethene	1.4		1.0	0.25	ug/L			12/04/21 17:45	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/04/21 17:45	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/04/21 17:45	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/04/21 17:45	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/04/21 17:45	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/04/21 17:45	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/04/21 17:45	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/04/21 17:45	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/04/21 17:45	1
Iodomethane	3.9	U	10	3.9	ug/L			12/04/21 17:45	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/04/21 17:45	1
4-Methyl-2-pentanone (MIBK)	2.7	U **	10	2.7	ug/L			12/04/21 17:45	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/04/21 17:45	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/21 17:45	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/04/21 17:45	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/04/21 17:45	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/04/21 17:45	1
Toluene	0.25	U	1.0	0.25	ug/L			12/04/21 17:45	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/04/21 17:45	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/04/21 17:45	1
Trichloroethene	3.9		1.0	0.20	ug/L			12/04/21 17:45	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/04/21 17:45	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/04/21 17:45	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/04/21 17:45	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/04/21 17:45	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/21 17:45	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G48

Lab Sample ID: 680-207865-1

Date Collected: 11/20/21 15:50

Matrix: Water

Date Received: 11/23/21 10:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		70 - 130		12/04/21 17:45	1
1,2-Dichloroethane-d4 (Surr)	96		60 - 124		12/04/21 17:45	1
Dibromofluoromethane (Surr)	87		70 - 130		12/04/21 17:45	1
4-Bromofluorobenzene (Surr)	97		70 - 130		12/04/21 17:45	1

Client Sample ID: OLF-G77

Lab Sample ID: 680-207865-2

Date Collected: 11/20/21 10:05

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	74	U	200	74	ug/L			12/03/21 20:17	20
Acrylonitrile	110	U	400	110	ug/L			12/03/21 20:17	20
Benzene	5.4	U	20	5.4	ug/L			12/03/21 20:17	20
Bromochloromethane	6.8	U	20	6.8	ug/L			12/03/21 20:17	20
Bromodichloromethane	5.0	U	20	5.0	ug/L			12/03/21 20:17	20
Bromoform	12	U	20	12	ug/L			12/03/21 20:17	20
Bromomethane	74	U	100	74	ug/L			12/03/21 20:17	20
2-Butanone (MEK)	130	U	200	130	ug/L			12/03/21 20:17	20
Carbon disulfide	8.6	U	40	8.6	ug/L			12/03/21 20:17	20
Carbon tetrachloride	6.0	U	20	6.0	ug/L			12/03/21 20:17	20
Chlorobenzene	11	J	20	3.0	ug/L			12/03/21 20:17	20
Chloroethane	92	U **	100	92	ug/L			12/03/21 20:17	20
Chloroform	5.4	U	20	5.4	ug/L			12/03/21 20:17	20
Chloromethane	11	U	20	11	ug/L			12/03/21 20:17	20
Dibromochloromethane	7.8	U	20	7.8	ug/L			12/03/21 20:17	20
1,2-Dibromo-3-Chloropropane	36	U	100	36	ug/L			12/03/21 20:17	20
1,2-Dibromoethane	6.6	U	20	6.6	ug/L			12/03/21 20:17	20
Dibromomethane	6.8	U	20	6.8	ug/L			12/03/21 20:17	20
1,2-Dichlorobenzene	6.2	U	20	6.2	ug/L			12/03/21 20:17	20
1,4-Dichlorobenzene	6.2	U	20	6.2	ug/L			12/03/21 20:17	20
trans-1,4-Dichloro-2-butene	25	U	40	25	ug/L			12/03/21 20:17	20
1,1-Dichloroethane	6.6	U	20	6.6	ug/L			12/03/21 20:17	20
1,2-Dichloroethane	5.0	U	20	5.0	ug/L			12/03/21 20:17	20
cis-1,2-Dichloroethene	130		20	5.0	ug/L			12/03/21 20:17	20
trans-1,2-Dichloroethene	110		20	6.8	ug/L			12/03/21 20:17	20
1,1-Dichloroethene	6.6	U	20	6.6	ug/L			12/03/21 20:17	20
1,2-Dichloropropane	4.4	U	20	4.4	ug/L			12/03/21 20:17	20
1,3-Dichloropropane	7.2	U	20	7.2	ug/L			12/03/21 20:17	20
cis-1,3-Dichloropropene	5.2	U	20	5.2	ug/L			12/03/21 20:17	20
trans-1,3-Dichloropropene	4.6	U	20	4.6	ug/L			12/03/21 20:17	20
Ethylbenzene	4.0	U	20	4.0	ug/L			12/03/21 20:17	20
2-Hexanone	64	U	200	64	ug/L			12/03/21 20:17	20
Iodomethane	78	U	200	78	ug/L			12/03/21 20:17	20
Methylene Chloride	64	U	100	64	ug/L			12/03/21 20:17	20
4-Methyl-2-pentanone (MIBK)	54	U	200	54	ug/L			12/03/21 20:17	20
Methyl tert-butyl ether	16	U	100	16	ug/L			12/03/21 20:17	20
Styrene	5.4	U	20	5.4	ug/L			12/03/21 20:17	20
1,1,1,2-Tetrachloroethane	7.2	U	20	7.2	ug/L			12/03/21 20:17	20
1,1,2,2-Tetrachloroethane	690		20	8.0	ug/L			12/03/21 20:17	20

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-207865-2

Date Collected: 11/20/21 10:05

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	7.0	U	10	7.0	ug/L			12/03/21 20:17	20
Toluene	5.0	U	20	5.0	ug/L			12/03/21 20:17	20
1,1,1-Trichloroethane	4.2	U	20	4.2	ug/L			12/03/21 20:17	20
1,1,2-Trichloroethane	11	J	20	6.4	ug/L			12/03/21 20:17	20
Trichloroethene	400		20	4.0	ug/L			12/03/21 20:17	20
Trichlorofluoromethane	6.6	U	20	6.6	ug/L			12/03/21 20:17	20
1,2,3-Trichloropropane	9.6	U	20	9.6	ug/L			12/03/21 20:17	20
Vinyl acetate	14	U	40	14	ug/L			12/03/21 20:17	20
Vinyl chloride	8.0	U	20	8.0	ug/L			12/03/21 20:17	20
Xylenes, Total	4.6	U	20	4.6	ug/L			12/03/21 20:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		12/03/21 20:17	20
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		12/03/21 20:17	20
Dibromofluoromethane (Surr)	96		70 - 130		12/03/21 20:17	20
4-Bromofluorobenzene (Surr)	102		70 - 130		12/03/21 20:17	20

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	6.3		1.1	0.30	ug/L			11/24/21 14:30	1
Ethene	24		1.0	0.31	ug/L			11/24/21 14:30	1
Methane (TCD)	1400		390	59	ug/L			11/24/21 14:30	1

Client Sample ID: OLF-G75 S5

Lab Sample ID: 680-207865-3

Date Collected: 11/19/21 11:10

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U **	10	3.7	ug/L			12/02/21 20:41	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/02/21 20:41	1
Benzene	0.27	U	1.0	0.27	ug/L			12/02/21 20:41	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/02/21 20:41	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/02/21 20:41	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/02/21 20:41	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/02/21 20:41	1
2-Butanone (MEK)	6.4	U **	10	6.4	ug/L			12/02/21 20:41	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/02/21 20:41	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/02/21 20:41	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 20:41	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/02/21 20:41	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/02/21 20:41	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/02/21 20:41	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/02/21 20:41	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/02/21 20:41	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:41	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/02/21 20:41	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 20:41	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 20:41	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/02/21 20:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G75 S5

Lab Sample ID: 680-207865-3

Date Collected: 11/19/21 11:10

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:41	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/02/21 20:41	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/02/21 20:41	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/02/21 20:41	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/02/21 20:41	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/02/21 20:41	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/02/21 20:41	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/02/21 20:41	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/02/21 20:41	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/02/21 20:41	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/02/21 20:41	1
Iodomethane	3.9	U	10	3.9	ug/L			12/02/21 20:41	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/02/21 20:41	1
4-Methyl-2-pentanone (MIBK)	2.7	U **	10	2.7	ug/L			12/02/21 20:41	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/02/21 20:41	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/21 20:41	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/02/21 20:41	1
1,1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/02/21 20:41	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/02/21 20:41	1
Toluene	0.25	U	1.0	0.25	ug/L			12/02/21 20:41	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/02/21 20:41	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/02/21 20:41	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 20:41	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:41	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/02/21 20:41	1
Vinyl acetate	0.69	U **	2.0	0.69	ug/L			12/02/21 20:41	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/02/21 20:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/21 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		12/02/21 20:41	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		12/02/21 20:41	1
Dibromofluoromethane (Surr)	92		70 - 130		12/02/21 20:41	1
4-Bromofluorobenzene (Surr)	108		70 - 130		12/02/21 20:41	1

Client Sample ID: OLF-G75 S3

Lab Sample ID: 680-207865-4

Date Collected: 11/19/21 12:40

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/02/21 17:56	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/02/21 17:56	1
Benzene	0.27	U	1.0	0.27	ug/L			12/02/21 17:56	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/02/21 17:56	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/02/21 17:56	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/02/21 17:56	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/02/21 17:56	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/02/21 17:56	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/02/21 17:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G75 S3

Lab Sample ID: 680-207865-4

Date Collected: 11/19/21 12:40

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/02/21 17:56	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 17:56	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/02/21 17:56	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/02/21 17:56	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/02/21 17:56	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/02/21 17:56	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/02/21 17:56	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/02/21 17:56	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/02/21 17:56	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 17:56	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 17:56	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/02/21 17:56	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/02/21 17:56	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/02/21 17:56	1
cis-1,2-Dichloroethene	0.34	J	1.0	0.25	ug/L			12/02/21 17:56	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/02/21 17:56	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/02/21 17:56	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/02/21 17:56	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/02/21 17:56	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/02/21 17:56	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/02/21 17:56	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/02/21 17:56	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/02/21 17:56	1
Iodomethane	3.9	U	10	3.9	ug/L			12/02/21 17:56	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/02/21 17:56	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/02/21 17:56	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/02/21 17:56	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/21 17:56	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/02/21 17:56	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/02/21 17:56	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/02/21 17:56	1
Toluene	0.25	U	1.0	0.25	ug/L			12/02/21 17:56	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/02/21 17:56	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/02/21 17:56	1
Trichloroethene	0.86	J	1.0	0.20	ug/L			12/02/21 17:56	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/02/21 17:56	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/02/21 17:56	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/02/21 17:56	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/02/21 17:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/21 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		70 - 130		12/02/21 17:56	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		12/02/21 17:56	1
Dibromofluoromethane (Surr)	113		70 - 130		12/02/21 17:56	1
4-Bromofluorobenzene (Surr)	85		70 - 130		12/02/21 17:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G18

Lab Sample ID: 680-207865-5

Date Collected: 11/22/21 10:01

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 15:21	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 15:21	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 15:21	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 15:21	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 15:21	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 15:21	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 15:21	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 15:21	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 15:21	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 15:21	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 15:21	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 15:21	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 15:21	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 15:21	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 15:21	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 15:21	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:21	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 15:21	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 15:21	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 15:21	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 15:21	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:21	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 15:21	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 15:21	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 15:21	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 15:21	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 15:21	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 15:21	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 15:21	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 15:21	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 15:21	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 15:21	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 15:21	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 15:21	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 15:21	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 15:21	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 15:21	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 15:21	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 15:21	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 15:21	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 15:21	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 15:21	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 15:21	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 15:21	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:21	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 15:21	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 15:21	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 15:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 15:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G18

Lab Sample ID: 680-207865-5

Date Collected: 11/22/21 10:01

Matrix: Water

Date Received: 11/23/21 10:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130		12/03/21 15:21	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		12/03/21 15:21	1
Dibromofluoromethane (Surr)	102		70 - 130		12/03/21 15:21	1
4-Bromofluorobenzene (Surr)	110		70 - 130		12/03/21 15:21	1

Client Sample ID: OLF-G19

Lab Sample ID: 680-207865-6

Date Collected: 11/22/21 08:46

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 15:41	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 15:41	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 15:41	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 15:41	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 15:41	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 15:41	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 15:41	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 15:41	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 15:41	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 15:41	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 15:41	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 15:41	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 15:41	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 15:41	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 15:41	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 15:41	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:41	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 15:41	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 15:41	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 15:41	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 15:41	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:41	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 15:41	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 15:41	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 15:41	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 15:41	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 15:41	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 15:41	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 15:41	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 15:41	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 15:41	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 15:41	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 15:41	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 15:41	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 15:41	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 15:41	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 15:41	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 15:41	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 15:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G19

Lab Sample ID: 680-207865-6

Date Collected: 11/22/21 08:46

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 15:41	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 15:41	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 15:41	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 15:41	1
Trichloroethene	0.30	J	1.0	0.20	ug/L			12/03/21 15:41	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:41	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 15:41	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 15:41	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 15:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130		12/03/21 15:41	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 124		12/03/21 15:41	1
Dibromofluoromethane (Surr)	104		70 - 130		12/03/21 15:41	1
4-Bromofluorobenzene (Surr)	116		70 - 130		12/03/21 15:41	1

Client Sample ID: OLF-G47

Lab Sample ID: 680-207865-7

Date Collected: 11/20/21 14:45

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 15:52	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 15:52	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 15:52	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 15:52	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 15:52	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 15:52	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 15:52	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 15:52	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 15:52	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 15:52	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 15:52	1
Chloroethane	4.6	U **	5.0	4.6	ug/L			12/03/21 15:52	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 15:52	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 15:52	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 15:52	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 15:52	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:52	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 15:52	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 15:52	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 15:52	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 15:52	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:52	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 15:52	1
cis-1,2-Dichloroethene	4.8		1.0	0.25	ug/L			12/03/21 15:52	1
trans-1,2-Dichloroethene	1.3		1.0	0.34	ug/L			12/03/21 15:52	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 15:52	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 15:52	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G47

Lab Sample ID: 680-207865-7

Date Collected: 11/20/21 14:45

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 15:52	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 15:52	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 15:52	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 15:52	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 15:52	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 15:52	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 15:52	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 15:52	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 15:52	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 15:52	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 15:52	1
1,1,2,2-Tetrachloroethane	1.4		1.0	0.40	ug/L			12/03/21 15:52	1
Tetrachloroethylene	1.2		0.50	0.35	ug/L			12/03/21 15:52	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 15:52	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 15:52	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 15:52	1
Trichloroethene	32		1.0	0.20	ug/L			12/03/21 15:52	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:52	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 15:52	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 15:52	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 15:52	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		12/03/21 15:52	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		12/03/21 15:52	1
Dibromofluoromethane (Surr)	96		70 - 130		12/03/21 15:52	1
4-Bromofluorobenzene (Surr)	102		70 - 130		12/03/21 15:52	1

Client Sample ID: OLF-G78

Lab Sample ID: 680-207865-8

Date Collected: 11/20/21 11:25

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 16:19	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 16:19	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 16:19	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:19	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:19	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 16:19	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 16:19	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 16:19	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 16:19	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 16:19	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 16:19	1
Chloroethane	4.6	U *+	5.0	4.6	ug/L			12/03/21 16:19	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 16:19	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 16:19	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 16:19	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G78

Lab Sample ID: 680-207865-8

Date Collected: 11/20/21 11:25

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 16:19	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:19	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:19	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:19	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:19	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 16:19	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:19	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:19	1
cis-1,2-Dichloroethene	1.9		1.0	0.25	ug/L			12/03/21 16:19	1
trans-1,2-Dichloroethene	0.73	J	1.0	0.34	ug/L			12/03/21 16:19	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 16:19	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 16:19	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 16:19	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 16:19	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 16:19	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 16:19	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 16:19	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 16:19	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 16:19	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 16:19	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 16:19	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 16:19	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 16:19	1
1,1,2,2-Tetrachloroethane	5.9		1.0	0.40	ug/L			12/03/21 16:19	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 16:19	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 16:19	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 16:19	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 16:19	1
Trichloroethene	7.4		1.0	0.20	ug/L			12/03/21 16:19	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:19	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 16:19	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 16:19	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 16:19	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		12/03/21 16:19	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		12/03/21 16:19	1
Dibromofluoromethane (Surr)	96		70 - 130		12/03/21 16:19	1
4-Bromofluorobenzene (Surr)	101		70 - 130		12/03/21 16:19	1

Client Sample ID: OLF-G21

Lab Sample ID: 680-207865-9

Date Collected: 11/22/21 11:06

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.1	J	10	3.7	ug/L			12/03/21 16:01	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 16:01	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 16:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G21

Lab Sample ID: 680-207865-9

Date Collected: 11/22/21 11:06

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:01	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:01	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 16:01	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 16:01	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 16:01	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 16:01	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 16:01	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 16:01	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 16:01	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 16:01	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 16:01	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 16:01	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 16:01	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:01	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:01	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:01	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:01	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 16:01	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:01	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:01	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 16:01	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 16:01	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 16:01	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 16:01	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 16:01	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 16:01	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 16:01	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 16:01	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 16:01	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 16:01	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 16:01	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 16:01	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 16:01	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 16:01	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 16:01	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 16:01	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 16:01	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 16:01	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 16:01	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 16:01	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 16:01	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:01	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 16:01	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 16:01	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 16:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		70 - 130		12/03/21 16:01	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		12/03/21 16:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G21

Lab Sample ID: 680-207865-9

Date Collected: 11/22/21 11:06

Matrix: Water

Date Received: 11/23/21 10:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		70 - 130		12/03/21 16:01	1
4-Bromofluorobenzene (Surr)	111		70 - 130		12/03/21 16:01	1

Client Sample ID: OLF-G36

Lab Sample ID: 680-207865-10

Date Collected: 11/22/21 08:50

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/04/21 18:04	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/04/21 18:04	1
Benzene	0.27	U	1.0	0.27	ug/L			12/04/21 18:04	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/04/21 18:04	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/04/21 18:04	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/04/21 18:04	1
Bromomethane	3.7	U **	5.0	3.7	ug/L			12/04/21 18:04	1
2-Butanone (MEK)	6.4	U **	10	6.4	ug/L			12/04/21 18:04	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/04/21 18:04	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/04/21 18:04	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/04/21 18:04	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/04/21 18:04	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/04/21 18:04	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/04/21 18:04	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/04/21 18:04	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/04/21 18:04	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/04/21 18:04	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/04/21 18:04	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/04/21 18:04	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/04/21 18:04	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/04/21 18:04	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/04/21 18:04	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/04/21 18:04	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/04/21 18:04	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/04/21 18:04	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/04/21 18:04	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/04/21 18:04	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/04/21 18:04	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/04/21 18:04	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/04/21 18:04	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/04/21 18:04	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/04/21 18:04	1
Iodomethane	3.9	U	10	3.9	ug/L			12/04/21 18:04	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/04/21 18:04	1
4-Methyl-2-pentanone (MIBK)	2.7	U **	10	2.7	ug/L			12/04/21 18:04	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/04/21 18:04	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/21 18:04	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/04/21 18:04	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/04/21 18:04	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/04/21 18:04	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G36

Lab Sample ID: 680-207865-10

Date Collected: 11/22/21 08:50

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.25	U	1.0	0.25	ug/L			12/04/21 18:04	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/04/21 18:04	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/04/21 18:04	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/04/21 18:04	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/04/21 18:04	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/04/21 18:04	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/04/21 18:04	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/04/21 18:04	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/21 18:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		70 - 130					12/04/21 18:04	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 124					12/04/21 18:04	1
Dibromofluoromethane (Surr)	87		70 - 130					12/04/21 18:04	1
4-Bromofluorobenzene (Surr)	97		70 - 130					12/04/21 18:04	1

Client Sample ID: OLF-G24

Lab Sample ID: 680-207865-11

Date Collected: 11/21/21 10:45

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 16:45	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 16:45	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 16:45	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:45	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:45	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 16:45	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 16:45	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 16:45	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 16:45	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 16:45	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 16:45	1
Chloroethane	4.6	U **	5.0	4.6	ug/L			12/03/21 16:45	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 16:45	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 16:45	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 16:45	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 16:45	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:45	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:45	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:45	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:45	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 16:45	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:45	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:45	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 16:45	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 16:45	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 16:45	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 16:45	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 16:45	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G24

Lab Sample ID: 680-207865-11

Date Collected: 11/21/21 10:45

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 16:45	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 16:45	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 16:45	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 16:45	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 16:45	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 16:45	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 16:45	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 16:45	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 16:45	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 16:45	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 16:45	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 16:45	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 16:45	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 16:45	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 16:45	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 16:45	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:45	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 16:45	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 16:45	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 16:45	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		12/03/21 16:45	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 124		12/03/21 16:45	1
Dibromofluoromethane (Surr)	97		70 - 130		12/03/21 16:45	1
4-Bromofluorobenzene (Surr)	100		70 - 130		12/03/21 16:45	1

Client Sample ID: OLF-G35

Lab Sample ID: 680-207865-12

Date Collected: 11/21/21 09:30

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 17:12	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 17:12	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 17:12	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 17:12	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 17:12	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 17:12	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 17:12	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 17:12	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 17:12	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 17:12	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 17:12	1
Chloroethane	4.6	U *	5.0	4.6	ug/L			12/03/21 17:12	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 17:12	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 17:12	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 17:12	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 17:12	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G35

Lab Sample ID: 680-207865-12

Date Collected: 11/21/21 09:30

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 17:12	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 17:12	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 17:12	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 17:12	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 17:12	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 17:12	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 17:12	1
cis-1,2-Dichloroethene	0.32	J	1.0	0.25	ug/L			12/03/21 17:12	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 17:12	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 17:12	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 17:12	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 17:12	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 17:12	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 17:12	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 17:12	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 17:12	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 17:12	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 17:12	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 17:12	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 17:12	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 17:12	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 17:12	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 17:12	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 17:12	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 17:12	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 17:12	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 17:12	1
Trichloroethene	3.4		1.0	0.20	ug/L			12/03/21 17:12	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 17:12	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 17:12	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 17:12	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 17:12	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		12/03/21 17:12	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		12/03/21 17:12	1
Dibromofluoromethane (Surr)	95		70 - 130		12/03/21 17:12	1
4-Bromofluorobenzene (Surr)	103		70 - 130		12/03/21 17:12	1

Client Sample ID: OLF-G22

Lab Sample ID: 680-207865-13

Date Collected: 11/22/21 11:40

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 16:21	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 16:21	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 16:21	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G22

Lab Sample ID: 680-207865-13

Date Collected: 11/22/21 11:40

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:21	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 16:21	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 16:21	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 16:21	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 16:21	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 16:21	1
Chlorobenzene	10		1.0	0.15	ug/L			12/03/21 16:21	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 16:21	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 16:21	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 16:21	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 16:21	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 16:21	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:21	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:21	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:21	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:21	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 16:21	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:21	1
1,2-Dichloroethane	0.74	J	1.0	0.25	ug/L			12/03/21 16:21	1
cis-1,2-Dichloroethene	20		1.0	0.25	ug/L			12/03/21 16:21	1
trans-1,2-Dichloroethene	9.0		1.0	0.34	ug/L			12/03/21 16:21	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 16:21	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 16:21	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 16:21	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 16:21	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 16:21	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 16:21	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 16:21	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 16:21	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 16:21	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 16:21	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 16:21	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 16:21	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 16:21	1
1,1,2,2-Tetrachloroethane	15		1.0	0.40	ug/L			12/03/21 16:21	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 16:21	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 16:21	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 16:21	1
1,1,2-Trichloroethane	1.2		1.0	0.32	ug/L			12/03/21 16:21	1
Trichloroethene	54		1.0	0.20	ug/L			12/03/21 16:21	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:21	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 16:21	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 16:21	1
Vinyl chloride	1.0		1.0	0.40	ug/L			12/03/21 16:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 16:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		70 - 130		12/03/21 16:21	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 124		12/03/21 16:21	1
Dibromofluoromethane (Surr)	103		70 - 130		12/03/21 16:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G22

Lab Sample ID: 680-207865-13

Date Collected: 11/22/21 11:40

Matrix: Water

Date Received: 11/23/21 10:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130		12/03/21 16:21	1

Client Sample ID: OLF-G20

Lab Sample ID: 680-207865-14

Date Collected: 11/19/21 14:25

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/02/21 18:21	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/02/21 18:21	1
Benzene	0.27	U	1.0	0.27	ug/L			12/02/21 18:21	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/02/21 18:21	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/02/21 18:21	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/02/21 18:21	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/02/21 18:21	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/02/21 18:21	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/02/21 18:21	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/02/21 18:21	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 18:21	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/02/21 18:21	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/02/21 18:21	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/02/21 18:21	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/02/21 18:21	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/02/21 18:21	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/02/21 18:21	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/02/21 18:21	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 18:21	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 18:21	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/02/21 18:21	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/02/21 18:21	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/02/21 18:21	1
cis-1,2-Dichloroethene	6.4		1.0	0.25	ug/L			12/02/21 18:21	1
trans-1,2-Dichloroethene	1.7		1.0	0.34	ug/L			12/02/21 18:21	1
1,1-Dichloroethene	2.9		1.0	0.33	ug/L			12/02/21 18:21	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/02/21 18:21	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/02/21 18:21	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/02/21 18:21	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/02/21 18:21	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/02/21 18:21	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/02/21 18:21	1
Iodomethane	3.9	U	10	3.9	ug/L			12/02/21 18:21	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/02/21 18:21	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/02/21 18:21	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/02/21 18:21	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/21 18:21	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/02/21 18:21	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/02/21 18:21	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/02/21 18:21	1
Toluene	0.25	U	1.0	0.25	ug/L			12/02/21 18:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G20

Lab Sample ID: 680-207865-14

Date Collected: 11/19/21 14:25

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/02/21 18:21	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/02/21 18:21	1
Trichloroethene	8.1		1.0	0.20	ug/L			12/02/21 18:21	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/02/21 18:21	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/02/21 18:21	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/02/21 18:21	1
Vinyl chloride	7.1		1.0	0.40	ug/L			12/02/21 18:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/21 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		12/02/21 18:21	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		12/02/21 18:21	1
Dibromofluoromethane (Surr)	110		70 - 130		12/02/21 18:21	1
4-Bromofluorobenzene (Surr)	92		70 - 130		12/02/21 18:21	1

Client Sample ID: OLF-G23

Lab Sample ID: 680-207865-15

Date Collected: 11/21/21 13:30

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 17:39	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 17:39	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 17:39	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 17:39	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 17:39	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 17:39	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 17:39	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 17:39	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 17:39	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 17:39	1
Chlorobenzene	10		1.0	0.15	ug/L			12/03/21 17:39	1
Chloroethane	9.8 *		5.0	4.6	ug/L			12/03/21 17:39	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 17:39	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 17:39	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 17:39	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 17:39	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 17:39	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 17:39	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 17:39	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 17:39	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 17:39	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 17:39	1
1,2-Dichloroethane	0.49 J		1.0	0.25	ug/L			12/03/21 17:39	1
cis-1,2-Dichloroethene	20		1.0	0.25	ug/L			12/03/21 17:39	1
trans-1,2-Dichloroethene	14		1.0	0.34	ug/L			12/03/21 17:39	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 17:39	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 17:39	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 17:39	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 17:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G23

Lab Sample ID: 680-207865-15

Date Collected: 11/21/21 13:30

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 17:39	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 17:39	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 17:39	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 17:39	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 17:39	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 17:39	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 17:39	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 17:39	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 17:39	1
1,1,2,2-Tetrachloroethane	33		1.0	0.40	ug/L			12/03/21 17:39	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 17:39	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 17:39	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 17:39	1
1,1,2-Trichloroethane	1.4		1.0	0.32	ug/L			12/03/21 17:39	1
Trichloroethene	56		1.0	0.20	ug/L			12/03/21 17:39	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 17:39	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 17:39	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 17:39	1
Vinyl chloride	1.8		1.0	0.40	ug/L			12/03/21 17:39	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 17:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		12/03/21 17:39	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 124		12/03/21 17:39	1
Dibromofluoromethane (Surr)	96		70 - 130		12/03/21 17:39	1
4-Bromofluorobenzene (Surr)	102		70 - 130		12/03/21 17:39	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.1		1.1	0.30	ug/L			11/24/21 14:43	1
Ethene	0.31	U	1.0	0.31	ug/L			11/24/21 14:43	1
Methane (TCD)	2000		390	59	ug/L			11/24/21 14:43	1

Client Sample ID: OLF-G07

Lab Sample ID: 680-207865-16

Date Collected: 11/19/21 15:30

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U F1	10	3.7	ug/L			12/02/21 21:40	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/02/21 21:40	1
Benzene	0.27	U	1.0	0.27	ug/L			12/02/21 21:40	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/02/21 21:40	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/02/21 21:40	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/02/21 21:40	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/02/21 21:40	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/02/21 21:40	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/02/21 21:40	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/02/21 21:40	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 21:40	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G07

Lab Sample ID: 680-207865-16

Date Collected: 11/19/21 15:30

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	4.6	U	5.0	4.6	ug/L			12/02/21 21:40	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/02/21 21:40	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/02/21 21:40	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/02/21 21:40	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/02/21 21:40	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/02/21 21:40	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/02/21 21:40	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 21:40	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 21:40	1
trans-1,4-Dichloro-2-butene	1.3	U F1	2.0	1.3	ug/L			12/02/21 21:40	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/02/21 21:40	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/02/21 21:40	1
cis-1,2-Dichloroethene	5.4		1.0	0.25	ug/L			12/02/21 21:40	1
trans-1,2-Dichloroethene	2.5		1.0	0.34	ug/L			12/02/21 21:40	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/02/21 21:40	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/02/21 21:40	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/02/21 21:40	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/02/21 21:40	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/02/21 21:40	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/02/21 21:40	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/02/21 21:40	1
Iodomethane	3.9	U	10	3.9	ug/L			12/02/21 21:40	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/02/21 21:40	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/02/21 21:40	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/02/21 21:40	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/21 21:40	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/02/21 21:40	1
1,1,2,2-Tetrachloroethane	71		1.0	0.40	ug/L			12/02/21 21:40	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/02/21 21:40	1
Toluene	0.25	U	1.0	0.25	ug/L			12/02/21 21:40	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/02/21 21:40	1
1,1,2-Trichloroethane	0.86	J	1.0	0.32	ug/L			12/02/21 21:40	1
Trichloroethene	37		1.0	0.20	ug/L			12/02/21 21:40	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/02/21 21:40	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/02/21 21:40	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/02/21 21:40	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/02/21 21:40	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/21 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		12/02/21 21:40	1
1,2-Dichloroethane-d4 (Surr)	96		60 - 124		12/02/21 21:40	1
Dibromofluoromethane (Surr)	102		70 - 130		12/02/21 21:40	1
4-Bromofluorobenzene (Surr)	94		70 - 130		12/02/21 21:40	1

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G12

Lab Sample ID: 680-207865-17

Date Collected: 11/22/21 10:10

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 16:41	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 16:41	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 16:41	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:41	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:41	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 16:41	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 16:41	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 16:41	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 16:41	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 16:41	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 16:41	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 16:41	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 16:41	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 16:41	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 16:41	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 16:41	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:41	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 16:41	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:41	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 16:41	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 16:41	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:41	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 16:41	1
cis-1,2-Dichloroethene	5.7		1.0	0.25	ug/L			12/03/21 16:41	1
trans-1,2-Dichloroethene	1.6		1.0	0.34	ug/L			12/03/21 16:41	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 16:41	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 16:41	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 16:41	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 16:41	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 16:41	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 16:41	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 16:41	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 16:41	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 16:41	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 16:41	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 16:41	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 16:41	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 16:41	1
1,1,2,2-Tetrachloroethane	42		1.0	0.40	ug/L			12/03/21 16:41	1
Tetrachloroethylene	0.59		0.50	0.35	ug/L			12/03/21 16:41	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 16:41	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 16:41	1
1,1,2-Trichloroethane	0.92	J	1.0	0.32	ug/L			12/03/21 16:41	1
Trichloroethene	45		1.0	0.20	ug/L			12/03/21 16:41	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 16:41	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 16:41	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 16:41	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 16:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 16:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G12

Lab Sample ID: 680-207865-17

Date Collected: 11/22/21 10:10

Matrix: Water

Date Received: 11/23/21 10:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		70 - 130		12/03/21 16:41	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		12/03/21 16:41	1
Dibromofluoromethane (Surr)	104		70 - 130		12/03/21 16:41	1
4-Bromofluorobenzene (Surr)	111		70 - 130		12/03/21 16:41	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	300		0.58	0.57	ug/L			11/24/21 15:30	1
Ethane	0.57	J	1.1	0.30	ug/L			11/24/21 15:30	1
Ethene	0.31	U	1.0	0.31	ug/L			11/24/21 15:30	1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-207865-18

Date Collected: 11/19/21 09:05

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/02/21 20:50	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/02/21 20:50	1
Benzene	0.27	U	1.0	0.27	ug/L			12/02/21 20:50	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/02/21 20:50	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/02/21 20:50	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/02/21 20:50	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/02/21 20:50	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/02/21 20:50	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/02/21 20:50	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/02/21 20:50	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 20:50	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/02/21 20:50	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/02/21 20:50	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/02/21 20:50	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/02/21 20:50	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/02/21 20:50	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:50	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/02/21 20:50	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 20:50	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 20:50	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/02/21 20:50	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:50	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/02/21 20:50	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/02/21 20:50	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/02/21 20:50	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/02/21 20:50	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/02/21 20:50	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/02/21 20:50	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/02/21 20:50	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/02/21 20:50	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/02/21 20:50	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/02/21 20:50	1
Iodomethane	3.9	U	10	3.9	ug/L			12/02/21 20:50	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/02/21 20:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-207865-18

Date Collected: 11/19/21 09:05

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/02/21 20:50	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/02/21 20:50	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/21 20:50	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/02/21 20:50	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/02/21 20:50	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/02/21 20:50	1
Toluene	0.25	U	1.0	0.25	ug/L			12/02/21 20:50	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/02/21 20:50	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/02/21 20:50	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 20:50	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:50	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/02/21 20:50	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/02/21 20:50	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/02/21 20:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/21 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		70 - 130		12/02/21 20:50	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 124		12/02/21 20:50	1
Dibromofluoromethane (Surr)	104		70 - 130		12/02/21 20:50	1
4-Bromofluorobenzene (Surr)	93		70 - 130		12/02/21 20:50	1

Client Sample ID: OLF-G42

Lab Sample ID: 680-207865-19

Date Collected: 11/20/21 12:45

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 18:05	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 18:05	1
Benzene	0.29	J	1.0	0.27	ug/L			12/03/21 18:05	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 18:05	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 18:05	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 18:05	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 18:05	1
2-Butanone (MEK)	6.4	U F1	10	6.4	ug/L			12/03/21 18:05	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 18:05	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 18:05	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 18:05	1
Chloroethane	4.6	U ** F1	5.0	4.6	ug/L			12/03/21 18:05	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 18:05	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 18:05	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 18:05	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 18:05	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 18:05	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 18:05	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 18:05	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 18:05	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 18:05	1
1,1-Dichloroethane	0.37	J	1.0	0.33	ug/L			12/03/21 18:05	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G42

Lab Sample ID: 680-207865-19

Date Collected: 11/20/21 12:45

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.42	J	1.0	0.25	ug/L			12/03/21 18:05	1
cis-1,2-Dichloroethene	4.4		1.0	0.25	ug/L			12/03/21 18:05	1
trans-1,2-Dichloroethene	1.0		1.0	0.34	ug/L			12/03/21 18:05	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 18:05	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 18:05	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 18:05	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 18:05	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 18:05	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 18:05	1
2-Hexanone	3.2	U F1	10	3.2	ug/L			12/03/21 18:05	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 18:05	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 18:05	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 18:05	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 18:05	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 18:05	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 18:05	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 18:05	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 18:05	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 18:05	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 18:05	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 18:05	1
Trichloroethene	3.6		1.0	0.20	ug/L			12/03/21 18:05	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 18:05	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 18:05	1
Vinyl acetate	0.69	U F1	2.0	0.69	ug/L			12/03/21 18:05	1
Vinyl chloride	7.5		1.0	0.40	ug/L			12/03/21 18:05	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		70 - 130		12/03/21 18:05	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		12/03/21 18:05	1
Dibromofluoromethane (Surr)	95		70 - 130		12/03/21 18:05	1
4-Bromofluorobenzene (Surr)	102		70 - 130		12/03/21 18:05	1

Client Sample ID: DUP-383

Lab Sample ID: 680-207865-20

Date Collected: 11/19/21 00:00

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/02/21 20:25	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/02/21 20:25	1
Benzene	0.27	U	1.0	0.27	ug/L			12/02/21 20:25	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/02/21 20:25	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/02/21 20:25	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/02/21 20:25	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/02/21 20:25	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/02/21 20:25	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/02/21 20:25	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/02/21 20:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: DUP-383

Lab Sample ID: 680-207865-20

Date Collected: 11/19/21 00:00

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 20:25	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/02/21 20:25	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/02/21 20:25	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/02/21 20:25	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/02/21 20:25	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/02/21 20:25	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:25	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/02/21 20:25	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 20:25	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 20:25	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/02/21 20:25	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:25	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/02/21 20:25	1
cis-1,2-Dichloroethene	6.3		1.0	0.25	ug/L			12/02/21 20:25	1
trans-1,2-Dichloroethene	1.5		1.0	0.34	ug/L			12/02/21 20:25	1
1,1-Dichloroethene	2.9		1.0	0.33	ug/L			12/02/21 20:25	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/02/21 20:25	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/02/21 20:25	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/02/21 20:25	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/02/21 20:25	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/02/21 20:25	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/02/21 20:25	1
Iodomethane	3.9	U	10	3.9	ug/L			12/02/21 20:25	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/02/21 20:25	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/02/21 20:25	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/02/21 20:25	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/21 20:25	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/02/21 20:25	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/02/21 20:25	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/02/21 20:25	1
Toluene	0.25	U	1.0	0.25	ug/L			12/02/21 20:25	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/02/21 20:25	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/02/21 20:25	1
Trichloroethene	8.4		1.0	0.20	ug/L			12/02/21 20:25	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/02/21 20:25	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/02/21 20:25	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/02/21 20:25	1
Vinyl chloride	7.1		1.0	0.40	ug/L			12/02/21 20:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/21 20:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		70 - 130		12/02/21 20:25	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 124		12/02/21 20:25	1
Dibromofluoromethane (Surr)	106		70 - 130		12/02/21 20:25	1
4-Bromofluorobenzene (Surr)	95		70 - 130		12/02/21 20:25	1

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: MB-109

Lab Sample ID: 680-207865-21

Date Collected: 11/22/21 13:00

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 14:21	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 14:21	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 14:21	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 14:21	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 14:21	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 14:21	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 14:21	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 14:21	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 14:21	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 14:21	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 14:21	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 14:21	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 14:21	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 14:21	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 14:21	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 14:21	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 14:21	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 14:21	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 14:21	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 14:21	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 14:21	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 14:21	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 14:21	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 14:21	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 14:21	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 14:21	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 14:21	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 14:21	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 14:21	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 14:21	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 14:21	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 14:21	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 14:21	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 14:21	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 14:21	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 14:21	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 14:21	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 14:21	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 14:21	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 14:21	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 14:21	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 14:21	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 14:21	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 14:21	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 14:21	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 14:21	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 14:21	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 14:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 14:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: MB-109

Lab Sample ID: 680-207865-21

Date Collected: 11/22/21 13:00

Matrix: Water

Date Received: 11/23/21 10:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		70 - 130		12/03/21 14:21	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		12/03/21 14:21	1
Dibromofluoromethane (Surr)	101		70 - 130		12/03/21 14:21	1
4-Bromofluorobenzene (Surr)	113		70 - 130		12/03/21 14:21	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.57	J	0.58	0.57	ug/L			11/24/21 15:43	1
Ethane	0.30	U	1.1	0.30	ug/L			11/24/21 15:43	1
Ethene	0.31	U	1.0	0.31	ug/L			11/24/21 15:43	1

Client Sample ID: EB-139

Lab Sample ID: 680-207865-22

Date Collected: 11/22/21 12:45

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 14:41	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 14:41	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 14:41	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 14:41	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 14:41	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 14:41	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 14:41	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 14:41	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 14:41	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 14:41	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 14:41	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 14:41	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 14:41	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 14:41	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 14:41	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 14:41	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 14:41	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 14:41	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 14:41	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 14:41	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 14:41	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 14:41	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 14:41	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 14:41	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 14:41	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 14:41	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 14:41	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 14:41	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 14:41	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 14:41	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 14:41	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 14:41	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 14:41	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 14:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: EB-139

Lab Sample ID: 680-207865-22

Date Collected: 11/22/21 12:45

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 14:41	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 14:41	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 14:41	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 14:41	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 14:41	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 14:41	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 14:41	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 14:41	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 14:41	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 14:41	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 14:41	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 14:41	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 14:41	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 14:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130		12/03/21 14:41	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 124		12/03/21 14:41	1
Dibromofluoromethane (Surr)	101		70 - 130		12/03/21 14:41	1
4-Bromofluorobenzene (Surr)	113		70 - 130		12/03/21 14:41	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.60		0.58	0.57	ug/L			11/24/21 15:56	1
Ethane	0.30	U	1.1	0.30	ug/L			11/24/21 15:56	1
Ethene	0.31	U	1.0	0.31	ug/L			11/24/21 15:56	1

Client Sample ID: TB-586

Lab Sample ID: 680-207865-23

Date Collected: 11/22/21 12:30

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 15:01	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 15:01	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 15:01	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 15:01	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 15:01	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 15:01	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 15:01	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 15:01	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 15:01	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 15:01	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 15:01	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 15:01	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 15:01	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 15:01	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 15:01	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 15:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: TB-586

Lab Sample ID: 680-207865-23

Date Collected: 11/22/21 12:30

Matrix: Water

Date Received: 11/23/21 10:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:01	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 15:01	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 15:01	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 15:01	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 15:01	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:01	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 15:01	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 15:01	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 15:01	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 15:01	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 15:01	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 15:01	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 15:01	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 15:01	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 15:01	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 15:01	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 15:01	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 15:01	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 15:01	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 15:01	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 15:01	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 15:01	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 15:01	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 15:01	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 15:01	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 15:01	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 15:01	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 15:01	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 15:01	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 15:01	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 15:01	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 15:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		70 - 130		12/03/21 15:01	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		12/03/21 15:01	1
Dibromofluoromethane (Surr)	103		70 - 130		12/03/21 15:01	1
4-Bromofluorobenzene (Surr)	114		70 - 130		12/03/21 15:01	1

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: MB 680-697014/9

Matrix: Water

Analysis Batch: 697014

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/02/21 14:11	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/02/21 14:11	1
Benzene	0.27	U	1.0	0.27	ug/L			12/02/21 14:11	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/02/21 14:11	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/02/21 14:11	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/02/21 14:11	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/02/21 14:11	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/02/21 14:11	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/02/21 14:11	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/02/21 14:11	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 14:11	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/02/21 14:11	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/02/21 14:11	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/02/21 14:11	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/02/21 14:11	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/02/21 14:11	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/02/21 14:11	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/02/21 14:11	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 14:11	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 14:11	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/02/21 14:11	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/02/21 14:11	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/02/21 14:11	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/02/21 14:11	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/02/21 14:11	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/02/21 14:11	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/02/21 14:11	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/02/21 14:11	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/02/21 14:11	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/02/21 14:11	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/02/21 14:11	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/02/21 14:11	1
Iodomethane	3.9	U	10	3.9	ug/L			12/02/21 14:11	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/02/21 14:11	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/02/21 14:11	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/02/21 14:11	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/21 14:11	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/02/21 14:11	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/02/21 14:11	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/02/21 14:11	1
Toluene	0.25	U	1.0	0.25	ug/L			12/02/21 14:11	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/02/21 14:11	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/02/21 14:11	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 14:11	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/02/21 14:11	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/02/21 14:11	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/02/21 14:11	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/02/21 14:11	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: MB 680-697014/9

Matrix: Water

Analysis Batch: 697014

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/21 14:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		70 - 130		12/02/21 14:11	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		12/02/21 14:11	1
Dibromofluoromethane (Surr)	112		70 - 130		12/02/21 14:11	1
4-Bromofluorobenzene (Surr)	92		70 - 130		12/02/21 14:11	1

Lab Sample ID: LCS 680-697014/4

Matrix: Water

Analysis Batch: 697014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	283		ug/L		113	67 - 120
Acrylonitrile	500	452		ug/L		90	70 - 130
Benzene	50.0	46.9		ug/L		94	70 - 130
Bromochloromethane	50.0	46.8		ug/L		94	70 - 130
Bromodichloromethane	50.0	48.2		ug/L		96	70 - 130
Bromoform	50.0	41.5		ug/L		83	69 - 129
Bromomethane	50.0	85.5		ug/L		171	28 - 192
2-Butanone (MEK)	250	244		ug/L		98	69 - 120
Carbon disulfide	50.0	52.4		ug/L		105	70 - 130
Carbon tetrachloride	50.0	47.6		ug/L		95	70 - 130
Chlorobenzene	50.0	48.8		ug/L		98	70 - 130
Chloroethane	50.0	68.7		ug/L		137	31 - 213
Chloroform	50.0	50.3		ug/L		101	70 - 130
Chloromethane	50.0	53.5		ug/L		107	59 - 127
Dibromochloromethane	50.0	44.1		ug/L		88	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	62.2		ug/L		124	70 - 130
1,2-Dibromoethane	50.0	40.5		ug/L		81	70 - 130
Dibromomethane	50.0	43.6		ug/L		87	70 - 130
1,2-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	53.8		ug/L		108	70 - 130
trans-1,4-Dichloro-2-butene	50.0	37.9		ug/L		76	67 - 120
1,1-Dichloroethane	50.0	45.8		ug/L		92	70 - 130
1,2-Dichloroethane	50.0	44.4		ug/L		89	70 - 130
cis-1,2-Dichloroethene	50.0	45.0		ug/L		90	70 - 130
trans-1,2-Dichloroethene	50.0	45.4		ug/L		91	70 - 130
1,1-Dichloroethene	50.0	48.7		ug/L		97	70 - 130
1,2-Dichloropropane	50.0	51.4		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	43.6		ug/L		87	70 - 130
cis-1,3-Dichloropropene	50.0	47.7		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	41.2		ug/L		82	70 - 130
Ethylbenzene	50.0	49.4		ug/L		99	70 - 130
2-Hexanone	250	222		ug/L		89	70 - 130
Iodomethane	50.0	51.9		ug/L		104	52 - 129
Methylene Chloride	50.0	51.1		ug/L		102	70 - 130
4-Methyl-2-pentanone (MIBK)	250	236		ug/L		94	68 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCS 680-697014/4

Matrix: Water

Analysis Batch: 697014

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	46.7		ug/L		93	70 - 130
Styrene	50.0	42.9		ug/L		86	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.0		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/L		99	70 - 130
Tetrachloroethylene	50.0	49.3		ug/L		99	70 - 130
Toluene	50.0	49.9		ug/L		100	70 - 130
1,1,1-Trichloroethane	50.0	45.7		ug/L		91	70 - 130
1,1,2-Trichloroethane	50.0	44.1		ug/L		88	70 - 130
Trichloroethene	50.0	51.8		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	60.3		ug/L		121	63 - 142
1,2,3-Trichloropropane	50.0	52.3		ug/L		105	70 - 130
Vinyl acetate	100	88.3		ug/L		88	67 - 135
Vinyl chloride	50.0	50.0		ug/L		100	66 - 129
Xylenes, Total	100	94.7		ug/L		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	107		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		60 - 124
Dibromofluoromethane (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 680-697014/5

Matrix: Water

Analysis Batch: 697014

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
Acetone	250	263		ug/L		105	67 - 120	7	30
Acrylonitrile	500	444		ug/L		89	70 - 130	2	30
Benzene	50.0	46.9		ug/L		94	70 - 130	0	30
Bromochloromethane	50.0	46.0		ug/L		92	70 - 130	2	30
Bromodichloromethane	50.0	45.8		ug/L		92	70 - 130	5	30
Bromoform	50.0	44.0		ug/L		88	69 - 129	6	30
Bromomethane	50.0	77.5		ug/L		155	28 - 192	10	30
2-Butanone (MEK)	250	233		ug/L		93	69 - 120	5	30
Carbon disulfide	50.0	45.1		ug/L		90	70 - 130	15	30
Carbon tetrachloride	50.0	46.9		ug/L		94	70 - 130	2	30
Chlorobenzene	50.0	48.0		ug/L		96	70 - 130	1	30
Chloroethane	50.0	58.9		ug/L		118	31 - 213	15	30
Chloroform	50.0	50.3		ug/L		101	70 - 130	0	30
Chloromethane	50.0	51.3		ug/L		103	59 - 127	4	30
Dibromochloromethane	50.0	39.8		ug/L		80	70 - 130	10	30
1,2-Dibromo-3-Chloropropane	50.0	60.7		ug/L		121	70 - 130	2	30
1,2-Dibromoethane	50.0	37.6		ug/L		75	70 - 130	7	30
Dibromomethane	50.0	42.7		ug/L		85	70 - 130	2	30
1,2-Dichlorobenzene	50.0	50.8		ug/L		102	70 - 130	1	30
1,4-Dichlorobenzene	50.0	55.9		ug/L		112	70 - 130	4	30
trans-1,4-Dichloro-2-butene	50.0	42.5		ug/L		85	67 - 120	12	30
1,1-Dichloroethane	50.0	48.8		ug/L		98	70 - 130	6	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCSD 680-697014/5

Matrix: Water

Analysis Batch: 697014

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
1,2-Dichloroethane	50.0	44.0		ug/L		88	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	45.8		ug/L		92	70 - 130	2	30
trans-1,2-Dichloroethene	50.0	45.6		ug/L		91	70 - 130	0	30
1,1-Dichloroethene	50.0	44.5		ug/L		89	70 - 130	9	20
1,2-Dichloropropane	50.0	49.3		ug/L		99	70 - 130	4	20
1,3-Dichloropropane	50.0	40.4		ug/L		81	70 - 130	8	20
cis-1,3-Dichloropropene	50.0	45.2		ug/L		90	70 - 130	5	20
trans-1,3-Dichloropropene	50.0	37.4		ug/L		75	70 - 130	10	30
Ethylbenzene	50.0	49.4		ug/L		99	70 - 130	0	20
2-Hexanone	250	217		ug/L		87	70 - 130	3	20
Iodomethane	50.0	46.1		ug/L		92	52 - 129	12	30
Methylene Chloride	50.0	45.2		ug/L		90	70 - 130	12	30
4-Methyl-2-pentanone (MIBK)	250	220		ug/L		88	68 - 120	7	30
Methyl tert-butyl ether	50.0	46.0		ug/L		92	70 - 130	1	30
Styrene	50.0	44.0		ug/L		88	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	50.4		ug/L		101	70 - 130	1	30
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/L		103	70 - 130	4	30
Tetrachloroethylene	50.0	46.2		ug/L		92	70 - 130	6	30
Toluene	50.0	46.6		ug/L		93	70 - 130	7	30
1,1,1-Trichloroethane	50.0	43.8		ug/L		88	70 - 130	4	30
1,1,2-Trichloroethane	50.0	42.8		ug/L		86	70 - 130	3	30
Trichloroethene	50.0	51.4		ug/L		103	70 - 130	1	30
Trichlorofluoromethane	50.0	57.0		ug/L		114	63 - 142	6	30
1,2,3-Trichloropropane	50.0	53.2		ug/L		106	70 - 130	2	30
Vinyl acetate	100	90.4		ug/L		90	67 - 135	2	30
Vinyl chloride	50.0	46.3		ug/L		93	66 - 129	8	30
Xylenes, Total	100	95.2		ug/L		95	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		60 - 124
Dibromofluoromethane (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	90		70 - 130

Lab Sample ID: 680-207865-16 MS

Matrix: Water

Analysis Batch: 697014

Client Sample ID: OLF-G07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	3.7	U F1	250	185		ug/L		74	67 - 120
Acrylonitrile	5.5	U	500	348		ug/L		70	70 - 130
Benzene	0.27	U	50.0	42.7		ug/L		85	70 - 130
Bromochloromethane	0.34	U	50.0	39.6		ug/L		79	70 - 130
Bromodichloromethane	0.25	U	50.0	40.4		ug/L		81	70 - 130
Bromoform	0.59	U	50.0	38.2		ug/L		76	69 - 129
Bromomethane	3.7	U	50.0	70.1		ug/L		140	28 - 192
2-Butanone (MEK)	6.4	U	250	193		ug/L		77	69 - 120
Carbon disulfide	0.43	U	50.0	46.2		ug/L		92	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: 680-207865-16 MS

Matrix: Water

Analysis Batch: 697014

Client Sample ID: OLF-G07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.30	U	50.0	42.4		ug/L		85	70 - 130
Chlorobenzene	0.15	U	50.0	46.2		ug/L		92	70 - 130
Chloroethane	4.6	U	50.0	56.0		ug/L		112	31 - 213
Chloroform	0.27	U	50.0	44.0		ug/L		88	70 - 130
Chloromethane	0.54	U	50.0	49.6		ug/L		99	59 - 127
Dibromochloromethane	0.39	U	50.0	39.2		ug/L		78	70 - 130
1,2-Dibromo-3-Chloropropane	1.8	U	50.0	47.3		ug/L		95	70 - 130
1,2-Dibromoethane	0.33	U	50.0	39.5		ug/L		79	70 - 130
Dibromomethane	0.34	U	50.0	35.4		ug/L		71	70 - 130
1,2-Dichlorobenzene	0.31	U	50.0	47.0		ug/L		94	70 - 130
1,4-Dichlorobenzene	0.31	U	50.0	53.0		ug/L		106	70 - 130
trans-1,4-Dichloro-2-butene	1.3	U F1	50.0	25.9	F1	ug/L		52	67 - 120
1,1-Dichloroethane	0.33	U	50.0	42.4		ug/L		85	70 - 130
1,2-Dichloroethane	0.25	U	50.0	39.1		ug/L		78	70 - 130
cis-1,2-Dichloroethene	5.4		50.0	45.0		ug/L		79	70 - 130
trans-1,2-Dichloroethene	2.5		50.0	43.4		ug/L		82	70 - 130
1,1-Dichloroethene	0.33	U	50.0	41.6		ug/L		83	70 - 130
1,2-Dichloropropane	0.22	U	50.0	44.1		ug/L		88	70 - 130
1,3-Dichloropropane	0.36	U	50.0	40.4		ug/L		81	70 - 130
cis-1,3-Dichloropropene	0.26	U	50.0	43.4		ug/L		87	70 - 130
trans-1,3-Dichloropropene	0.23	U	50.0	38.7		ug/L		77	70 - 130
Ethylbenzene	0.20	U	50.0	46.5		ug/L		93	70 - 130
2-Hexanone	3.2	U	250	223		ug/L		89	70 - 130
Iodomethane	3.9	U	50.0	41.7		ug/L		83	52 - 129
Methylene Chloride	3.2	U	50.0	39.8		ug/L		80	70 - 130
4-Methyl-2-pentanone (MIBK)	2.7	U	250	213		ug/L		85	68 - 120
Methyl tert-butyl ether	0.81	U	50.0	40.9		ug/L		82	70 - 130
Styrene	0.27	U	50.0	43.7		ug/L		87	70 - 130
1,1,1,2-Tetrachloroethane	0.36	U	50.0	45.8		ug/L		92	70 - 130
1,1,2,2-Tetrachloroethane	71		50.0	119	E	ug/L		95	70 - 130
Tetrachloroethylene	0.35	U	50.0	45.8		ug/L		92	70 - 130
Toluene	0.25	U	50.0	46.1		ug/L		92	70 - 130
1,1,1-Trichloroethane	0.21	U	50.0	39.9		ug/L		80	70 - 130
1,1,2-Trichloroethane	0.86	J	50.0	41.1		ug/L		81	70 - 130
Trichloroethene	37		50.0	81.1		ug/L		89	70 - 130
Trichlorofluoromethane	0.33	U	50.0	53.6		ug/L		107	63 - 142
1,2,3-Trichloropropane	0.48	U	50.0	51.5		ug/L		103	70 - 130
Vinyl acetate	0.69	U	100	71.9		ug/L		72	67 - 135
Vinyl chloride	0.40	U	50.0	46.7		ug/L		93	66 - 129
Xylenes, Total	0.23	U	100	91.5		ug/L		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
Toluene-d8 (Surr)	98		70 - 130						
1,2-Dichloroethane-d4 (Surr)	79		60 - 124						
Dibromofluoromethane (Surr)	83		70 - 130						
4-Bromofluorobenzene (Surr)	101		70 - 130						

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: 680-207865-16 MSD

Matrix: Water

Analysis Batch: 697014

Client Sample ID: OLF-G07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	3.7	U F1	250	163	F1	ug/L		65	67 - 120	13	30
Acrylonitrile	5.5	U	500	377		ug/L		75	70 - 130	8	30
Benzene	0.27	U	50.0	44.5		ug/L		89	70 - 130	4	30
Bromochloromethane	0.34	U	50.0	41.4		ug/L		83	70 - 130	4	30
Bromodichloromethane	0.25	U	50.0	43.9		ug/L		88	70 - 130	8	30
Bromoform	0.59	U	50.0	39.7		ug/L		79	69 - 129	4	30
Bromomethane	3.7	U	50.0	70.9		ug/L		142	28 - 192	1	30
2-Butanone (MEK)	6.4	U	250	208		ug/L		83	69 - 120	8	30
Carbon disulfide	0.43	U	50.0	46.6		ug/L		93	70 - 130	1	30
Carbon tetrachloride	0.30	U	50.0	44.2		ug/L		88	70 - 130	4	30
Chlorobenzene	0.15	U	50.0	49.1		ug/L		98	70 - 130	6	30
Chloroethane	4.6	U	50.0	57.2		ug/L		114	31 - 213	2	30
Chloroform	0.27	U	50.0	45.0		ug/L		90	70 - 130	2	30
Chloromethane	0.54	U	50.0	52.4		ug/L		105	59 - 127	6	30
Dibromochloromethane	0.39	U	50.0	42.6		ug/L		85	70 - 130	8	30
1,2-Dibromo-3-Chloropropane	1.8	U	50.0	46.7		ug/L		93	70 - 130	1	30
1,2-Dibromoethane	0.33	U	50.0	41.3		ug/L		83	70 - 130	4	30
Dibromomethane	0.34	U	50.0	39.1		ug/L		78	70 - 130	10	30
1,2-Dichlorobenzene	0.31	U	50.0	47.6		ug/L		95	70 - 130	1	30
1,4-Dichlorobenzene	0.31	U	50.0	54.2		ug/L		108	70 - 130	2	30
trans-1,4-Dichloro-2-butene	1.3	U F1	50.0	28.4	F1	ug/L		57	67 - 120	9	30
1,1-Dichloroethane	0.33	U	50.0	42.6		ug/L		85	70 - 130	0	30
1,2-Dichloroethane	0.25	U	50.0	40.6		ug/L		81	70 - 130	4	50
cis-1,2-Dichloroethene	5.4		50.0	46.4		ug/L		82	70 - 130	3	30
trans-1,2-Dichloroethene	2.5		50.0	46.7		ug/L		88	70 - 130	7	30
1,1-Dichloroethene	0.33	U	50.0	45.9		ug/L		92	70 - 130	10	20
1,2-Dichloropropane	0.22	U	50.0	47.8		ug/L		96	70 - 130	8	20
1,3-Dichloropropane	0.36	U	50.0	43.8		ug/L		88	70 - 130	8	20
cis-1,3-Dichloropropene	0.26	U	50.0	47.3		ug/L		95	70 - 130	9	20
trans-1,3-Dichloropropene	0.23	U	50.0	42.3		ug/L		85	70 - 130	9	30
Ethylbenzene	0.20	U	50.0	48.5		ug/L		97	70 - 130	4	20
2-Hexanone	3.2	U	250	228		ug/L		91	70 - 130	2	20
Iodomethane	3.9	U	50.0	44.3		ug/L		89	52 - 129	6	30
Methylene Chloride	3.2	U	50.0	43.9		ug/L		88	70 - 130	10	30
4-Methyl-2-pentanone (MIBK)	2.7	U	250	222		ug/L		89	68 - 120	4	30
Methyl tert-butyl ether	0.81	U	50.0	42.0		ug/L		84	70 - 130	3	30
Styrene	0.27	U	50.0	45.5		ug/L		91	70 - 130	4	30
1,1,1,2-Tetrachloroethane	0.36	U	50.0	47.2		ug/L		94	70 - 130	3	30
1,1,2,2-Tetrachloroethane	71		50.0	120	E	ug/L		99	70 - 130	1	30
Tetrachloroethylene	0.35	U	50.0	48.7		ug/L		97	70 - 130	6	30
Toluene	0.25	U	50.0	48.4		ug/L		97	70 - 130	5	30
1,1,1-Trichloroethane	0.21	U	50.0	42.0		ug/L		84	70 - 130	5	30
1,1,2-Trichloroethane	0.86	J	50.0	45.0		ug/L		88	70 - 130	9	30
Trichloroethene	37		50.0	84.0		ug/L		94	70 - 130	3	30
Trichlorofluoromethane	0.33	U	50.0	55.4		ug/L		111	63 - 142	3	30
1,2,3-Trichloropropane	0.48	U	50.0	54.2		ug/L		108	70 - 130	5	30
Vinyl acetate	0.69	U	100	73.3		ug/L		73	67 - 135	2	30
Vinyl chloride	0.40	U	50.0	47.4		ug/L		95	66 - 129	1	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: 680-207865-16 MSD

Matrix: Water

Analysis Batch: 697014

Client Sample ID: OLF-G07

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	0.23	U	100	93.5		ug/L		94	70 - 130	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	82		60 - 124
Dibromofluoromethane (Surr)	84		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 680-697033/9

Matrix: Water

Analysis Batch: 697033

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	15.0		10	3.7	ug/L			12/02/21 13:35	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/02/21 13:35	1
Benzene	0.27	U	1.0	0.27	ug/L			12/02/21 13:35	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/02/21 13:35	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/02/21 13:35	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/02/21 13:35	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/02/21 13:35	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/02/21 13:35	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/02/21 13:35	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/02/21 13:35	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/02/21 13:35	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/02/21 13:35	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/02/21 13:35	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/02/21 13:35	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/02/21 13:35	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/02/21 13:35	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/02/21 13:35	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/02/21 13:35	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 13:35	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/02/21 13:35	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/02/21 13:35	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/02/21 13:35	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/02/21 13:35	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/02/21 13:35	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/02/21 13:35	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/02/21 13:35	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/02/21 13:35	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/02/21 13:35	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/02/21 13:35	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/02/21 13:35	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/02/21 13:35	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/02/21 13:35	1
Iodomethane	3.9	U	10	3.9	ug/L			12/02/21 13:35	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/02/21 13:35	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/02/21 13:35	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: MB 680-697033/9

Matrix: Water

Analysis Batch: 697033

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/02/21 13:35	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/21 13:35	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/02/21 13:35	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/02/21 13:35	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/02/21 13:35	1
Toluene	0.25	U	1.0	0.25	ug/L			12/02/21 13:35	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/02/21 13:35	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/02/21 13:35	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/02/21 13:35	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/02/21 13:35	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/02/21 13:35	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/02/21 13:35	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/02/21 13:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/21 13:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		70 - 130		12/02/21 13:35	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		12/02/21 13:35	1
Dibromofluoromethane (Surr)	93		70 - 130		12/02/21 13:35	1
4-Bromofluorobenzene (Surr)	112		70 - 130		12/02/21 13:35	1

Lab Sample ID: LCS 680-697033/4

Matrix: Water

Analysis Batch: 697033

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	311	*+	ug/L		124	67 - 120
Acrylonitrile	500	580		ug/L		116	70 - 130
Benzene	50.0	56.6		ug/L		113	70 - 130
Bromochloromethane	50.0	48.3		ug/L		97	70 - 130
Bromodichloromethane	50.0	53.9		ug/L		108	70 - 130
Bromoform	50.0	38.4		ug/L		77	69 - 129
Bromomethane	50.0	94.0		ug/L		188	28 - 192
2-Butanone (MEK)	250	313	*+	ug/L		125	69 - 120
Carbon disulfide	50.0	63.9		ug/L		128	70 - 130
Carbon tetrachloride	50.0	47.9		ug/L		96	70 - 130
Chlorobenzene	50.0	40.7		ug/L		81	70 - 130
Chloroethane	50.0	80.8		ug/L		162	31 - 213
Chloroform	50.0	54.7		ug/L		109	70 - 130
Chloromethane	50.0	48.0		ug/L		96	59 - 127
Dibromochloromethane	50.0	47.8		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	46.0		ug/L		92	70 - 130
1,2-Dibromoethane	50.0	50.8		ug/L		102	70 - 130
Dibromomethane	50.0	55.9		ug/L		112	70 - 130
1,2-Dichlorobenzene	50.0	47.5		ug/L		95	70 - 130
1,4-Dichlorobenzene	50.0	47.9		ug/L		96	70 - 130
trans-1,4-Dichloro-2-butene	50.0	51.1		ug/L		102	67 - 120
1,1-Dichloroethane	50.0	62.6		ug/L		125	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCS 680-697033/4

Matrix: Water

Analysis Batch: 697033

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	62.9		ug/L		126	70 - 130
cis-1,2-Dichloroethene	50.0	63.0		ug/L		126	70 - 130
trans-1,2-Dichloroethene	50.0	53.6		ug/L		107	70 - 130
1,1-Dichloroethene	50.0	53.6		ug/L		107	70 - 130
1,2-Dichloropropane	50.0	61.9		ug/L		124	70 - 130
1,3-Dichloropropane	50.0	54.9		ug/L		110	70 - 130
cis-1,3-Dichloropropene	50.0	58.6		ug/L		117	70 - 130
trans-1,3-Dichloropropene	50.0	59.5		ug/L		119	70 - 130
Ethylbenzene	50.0	46.2		ug/L		92	70 - 130
2-Hexanone	250	306		ug/L		122	70 - 130
Iodomethane	50.0	50.0		ug/L		100	52 - 129
Methylene Chloride	50.0	53.7		ug/L		107	70 - 130
4-Methyl-2-pentanone (MIBK)	250	314	*+	ug/L		126	68 - 120
Methyl tert-butyl ether	50.0	62.2		ug/L		124	70 - 130
Styrene	50.0	43.3		ug/L		87	70 - 130
1,1,1,2-Tetrachloroethane	50.0	40.1		ug/L		80	70 - 130
1,1,2,2-Tetrachloroethane	50.0	58.2		ug/L		116	70 - 130
Tetrachloroethylene	50.0	44.7		ug/L		89	70 - 130
Toluene	50.0	52.9		ug/L		106	70 - 130
1,1,1-Trichloroethane	50.0	52.0		ug/L		104	70 - 130
1,1,2-Trichloroethane	50.0	55.3		ug/L		111	70 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	41.7		ug/L		83	63 - 142
1,2,3-Trichloropropane	50.0	42.0		ug/L		84	70 - 130
Vinyl acetate	100	151	*+	ug/L		151	67 - 135
Vinyl chloride	50.0	53.8		ug/L		108	66 - 129
Xylenes, Total	100	90.7		ug/L		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	90		70 - 130
1,2-Dichloroethane-d4 (Surr)	127	S1+	60 - 124
Dibromofluoromethane (Surr)	103		70 - 130
4-Bromofluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 680-697033/5

Matrix: Water

Analysis Batch: 697033

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
Acetone	250	332	*+	ug/L		133	67 - 120	7	30
Acrylonitrile	500	587		ug/L		117	70 - 130	1	30
Benzene	50.0	56.4		ug/L		113	70 - 130	0	30
Bromochloromethane	50.0	48.7		ug/L		97	70 - 130	1	30
Bromodichloromethane	50.0	54.0		ug/L		108	70 - 130	0	30
Bromoform	50.0	38.8		ug/L		78	69 - 129	1	30
Bromomethane	50.0	95.1		ug/L		190	28 - 192	1	30
2-Butanone (MEK)	250	325	*+	ug/L		130	69 - 120	4	30
Carbon disulfide	50.0	64.3		ug/L		129	70 - 130	1	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCSD 680-697033/5

Matrix: Water

Analysis Batch: 697033

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
Carbon tetrachloride	50.0	49.7		ug/L		99	70 - 130	4	30
Chlorobenzene	50.0	41.3		ug/L		83	70 - 130	1	30
Chloroethane	50.0	78.0		ug/L		156	31 - 213	3	30
Chloroform	50.0	54.8		ug/L		110	70 - 130	0	30
Chloromethane	50.0	47.5		ug/L		95	59 - 127	1	30
Dibromochloromethane	50.0	46.1		ug/L		92	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	50.0	45.2		ug/L		90	70 - 130	2	30
1,2-Dibromoethane	50.0	49.4		ug/L		99	70 - 130	3	30
Dibromomethane	50.0	55.1		ug/L		110	70 - 130	1	30
1,2-Dichlorobenzene	50.0	46.9		ug/L		94	70 - 130	1	30
1,4-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	52.3		ug/L		105	67 - 120	2	30
1,1-Dichloroethane	50.0	62.0		ug/L		124	70 - 130	1	30
1,2-Dichloroethane	50.0	63.7		ug/L		127	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	62.2		ug/L		124	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	53.8		ug/L		108	70 - 130	0	30
1,1-Dichloroethene	50.0	54.5		ug/L		109	70 - 130	2	20
1,2-Dichloropropane	50.0	60.8		ug/L		122	70 - 130	2	20
1,3-Dichloropropane	50.0	54.8		ug/L		110	70 - 130	0	20
cis-1,3-Dichloropropene	50.0	57.1		ug/L		114	70 - 130	3	20
trans-1,3-Dichloropropene	50.0	58.1		ug/L		116	70 - 130	2	30
Ethylbenzene	50.0	46.2		ug/L		92	70 - 130	0	20
2-Hexanone	250	305		ug/L		122	70 - 130	0	20
Iodomethane	50.0	49.4		ug/L		99	52 - 129	1	30
Methylene Chloride	50.0	53.1		ug/L		106	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	321	*+	ug/L		128	68 - 120	2	30
Methyl tert-butyl ether	50.0	63.0		ug/L		126	70 - 130	1	30
Styrene	50.0	43.0		ug/L		86	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	41.2		ug/L		82	70 - 130	3	30
1,1,2,2-Tetrachloroethane	50.0	59.2		ug/L		118	70 - 130	2	30
Tetrachloroethylene	50.0	44.7		ug/L		89	70 - 130	0	30
Toluene	50.0	52.7		ug/L		105	70 - 130	0	30
1,1,1-Trichloroethane	50.0	52.3		ug/L		105	70 - 130	1	30
1,1,2-Trichloroethane	50.0	55.0		ug/L		110	70 - 130	1	30
Trichloroethene	50.0	47.5		ug/L		95	70 - 130	0	30
Trichlorofluoromethane	50.0	41.6		ug/L		83	63 - 142	0	30
1,2,3-Trichloropropane	50.0	42.5		ug/L		85	70 - 130	1	30
Vinyl acetate	100	149	*+	ug/L		149	67 - 135	2	30
Vinyl chloride	50.0	53.6		ug/L		107	66 - 129	0	30
Xylenes, Total	100	91.0		ug/L		91	70 - 130	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	119		60 - 124
Dibromofluoromethane (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	113		70 - 130

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: MB 680-697186/9

Matrix: Water

Analysis Batch: 697186

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 13:42	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 13:42	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 13:42	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 13:42	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 13:42	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 13:42	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 13:42	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 13:42	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 13:42	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 13:42	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 13:42	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 13:42	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 13:42	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 13:42	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 13:42	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 13:42	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 13:42	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 13:42	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 13:42	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 13:42	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 13:42	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 13:42	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 13:42	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 13:42	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 13:42	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 13:42	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 13:42	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 13:42	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 13:42	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 13:42	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 13:42	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 13:42	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 13:42	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 13:42	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 13:42	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 13:42	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 13:42	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 13:42	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 13:42	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 13:42	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 13:42	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 13:42	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 13:42	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 13:42	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 13:42	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 13:42	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 13:42	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 13:42	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: MB 680-697186/9

Matrix: Water

Analysis Batch: 697186

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 13:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		70 - 130		12/03/21 13:42	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		12/03/21 13:42	1
Dibromofluoromethane (Surr)	96		70 - 130		12/03/21 13:42	1
4-Bromofluorobenzene (Surr)	101		70 - 130		12/03/21 13:42	1

Lab Sample ID: LCS 680-697186/4

Matrix: Water

Analysis Batch: 697186

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	191		ug/L		76	67 - 120
Acrylonitrile	500	423		ug/L		85	70 - 130
Benzene	50.0	50.1		ug/L		100	70 - 130
Bromochloromethane	50.0	48.8		ug/L		98	70 - 130
Bromodichloromethane	50.0	48.1		ug/L		96	70 - 130
Bromoform	50.0	38.0		ug/L		76	69 - 129
Bromomethane	50.0	62.8		ug/L		126	28 - 192
2-Butanone (MEK)	250	188		ug/L		75	69 - 120
Carbon disulfide	50.0	50.4		ug/L		101	70 - 130
Carbon tetrachloride	50.0	47.2		ug/L		94	70 - 130
Chlorobenzene	50.0	49.3		ug/L		99	70 - 130
Chloroethane	50.0	217	E *+	ug/L		434	31 - 213
Chloroform	50.0	50.2		ug/L		100	70 - 130
Chloromethane	50.0	42.3		ug/L		85	59 - 127
Dibromochloromethane	50.0	45.6		ug/L		91	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	41.9		ug/L		84	70 - 130
1,2-Dibromoethane	50.0	45.7		ug/L		91	70 - 130
Dibromomethane	50.0	48.2		ug/L		96	70 - 130
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	49.5		ug/L		99	70 - 130
trans-1,4-Dichloro-2-butene	50.0	48.7		ug/L		97	67 - 120
1,1-Dichloroethane	50.0	48.4		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	46.2		ug/L		92	70 - 130
cis-1,2-Dichloroethene	50.0	49.4		ug/L		99	70 - 130
trans-1,2-Dichloroethene	50.0	50.7		ug/L		101	70 - 130
1,1-Dichloroethene	50.0	51.3		ug/L		103	70 - 130
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	45.9		ug/L		92	70 - 130
cis-1,3-Dichloropropene	50.0	46.6		ug/L		93	70 - 130
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	70 - 130
Ethylbenzene	50.0	49.5		ug/L		99	70 - 130
2-Hexanone	250	182		ug/L		73	70 - 130
Iodomethane	50.0	47.9		ug/L		96	52 - 129
Methylene Chloride	50.0	49.7		ug/L		99	70 - 130
4-Methyl-2-pentanone (MIBK)	250	193		ug/L		77	68 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCS 680-697186/4

Matrix: Water

Analysis Batch: 697186

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	47.1		ug/L		94	70 - 130
Styrene	50.0	48.7		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.8		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	50.0	45.9		ug/L		92	70 - 130
Tetrachloroethylene	50.0	48.4		ug/L		97	70 - 130
Toluene	50.0	48.7		ug/L		97	70 - 130
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	47.3		ug/L		95	70 - 130
Trichloroethene	50.0	48.9		ug/L		98	70 - 130
Trichlorofluoromethane	50.0	47.6		ug/L		95	63 - 142
1,2,3-Trichloropropane	50.0	46.4		ug/L		93	70 - 130
Vinyl acetate	100	68.9		ug/L		69	67 - 135
Vinyl chloride	50.0	46.0		ug/L		92	66 - 129
Xylenes, Total	100	98.8		ug/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		60 - 124
Dibromofluoromethane (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 680-697186/5

Matrix: Water

Analysis Batch: 697186

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
Acetone	250	187		ug/L		75	67 - 120	2	30
Acrylonitrile	500	424		ug/L		85	70 - 130	0	30
Benzene	50.0	50.4		ug/L		101	70 - 130	1	30
Bromochloromethane	50.0	48.0		ug/L		96	70 - 130	2	30
Bromodichloromethane	50.0	49.1		ug/L		98	70 - 130	2	30
Bromoform	50.0	39.5		ug/L		79	69 - 129	4	30
Bromomethane	50.0	61.0		ug/L		122	28 - 192	3	30
2-Butanone (MEK)	250	191		ug/L		76	69 - 120	1	30
Carbon disulfide	50.0	51.0		ug/L		102	70 - 130	1	30
Carbon tetrachloride	50.0	47.6		ug/L		95	70 - 130	1	30
Chlorobenzene	50.0	49.4		ug/L		99	70 - 130	0	30
Chloroethane	50.0	213	E *+	ug/L		426	31 - 213	2	30
Chloroform	50.0	49.4		ug/L		99	70 - 130	1	30
Chloromethane	50.0	40.9		ug/L		82	59 - 127	3	30
Dibromochloromethane	50.0	47.4		ug/L		95	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	50.0	43.9		ug/L		88	70 - 130	5	30
1,2-Dibromoethane	50.0	46.4		ug/L		93	70 - 130	1	30
Dibromomethane	50.0	48.4		ug/L		97	70 - 130	0	30
1,2-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 130	1	30
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	51.0		ug/L		102	67 - 120	5	30
1,1-Dichloroethane	50.0	48.6		ug/L		97	70 - 130	0	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCSD 680-697186/5

Matrix: Water

Analysis Batch: 697186

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
1,2-Dichloroethane	50.0	46.7		ug/L		93	70 - 130	1	50
cis-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 130	1	30
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	70 - 130	0	30
1,1-Dichloroethene	50.0	51.9		ug/L		104	70 - 130	1	20
1,2-Dichloropropane	50.0	49.0		ug/L		98	70 - 130	1	20
1,3-Dichloropropane	50.0	46.3		ug/L		93	70 - 130	1	20
cis-1,3-Dichloropropene	50.0	47.8		ug/L		96	70 - 130	2	20
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	70 - 130	1	30
Ethylbenzene	50.0	49.9		ug/L		100	70 - 130	1	20
2-Hexanone	250	188		ug/L		75	70 - 130	3	20
Iodomethane	50.0	50.7		ug/L		101	52 - 129	6	30
Methylene Chloride	50.0	50.0		ug/L		100	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	196		ug/L		78	68 - 120	1	30
Methyl tert-butyl ether	50.0	46.8		ug/L		94	70 - 130	1	30
Styrene	50.0	47.6		ug/L		95	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	46.7		ug/L		93	70 - 130	2	30
Tetrachloroethylene	50.0	48.5		ug/L		97	70 - 130	0	30
Toluene	50.0	48.9		ug/L		98	70 - 130	0	30
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	70 - 130	1	30
1,1,2-Trichloroethane	50.0	47.8		ug/L		96	70 - 130	1	30
Trichloroethene	50.0	49.3		ug/L		99	70 - 130	1	30
Trichlorofluoromethane	50.0	46.3		ug/L		93	63 - 142	3	30
1,2,3-Trichloropropane	50.0	46.0		ug/L		92	70 - 130	1	30
Vinyl acetate	100	67.5		ug/L		68	67 - 135	2	30
Vinyl chloride	50.0	44.2		ug/L		88	66 - 129	4	30
Xylenes, Total	100	97.6		ug/L		98	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		60 - 124
Dibromofluoromethane (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 680-207865-19 MS

Matrix: Water

Analysis Batch: 697186

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	3.7	U	250	167		ug/L		67	67 - 120
Acrylonitrile	5.5	U	500	396		ug/L		79	70 - 130
Benzene	0.29	J	50.0	50.0		ug/L		99	70 - 130
Bromochloromethane	0.34	U	50.0	46.9		ug/L		94	70 - 130
Bromodichloromethane	0.25	U	50.0	47.0		ug/L		94	70 - 130
Bromoform	0.59	U	50.0	35.8		ug/L		72	69 - 129
Bromomethane	3.7	U	50.0	66.6		ug/L		133	28 - 192
2-Butanone (MEK)	6.4	U F1	250	169	F1	ug/L		68	69 - 120
Carbon disulfide	0.43	U	50.0	52.1		ug/L		104	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: 680-207865-19 MS

Matrix: Water

Analysis Batch: 697186

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.30	U	50.0	48.9		ug/L		98	70 - 130
Chlorobenzene	0.15	U	50.0	49.8		ug/L		100	70 - 130
Chloroethane	4.6	U *+ F1	50.0	229	E F1	ug/L		459	31 - 213
Chloroform	0.27	U	50.0	49.1		ug/L		98	70 - 130
Chloromethane	0.54	U	50.0	44.3		ug/L		89	59 - 127
Dibromochloromethane	0.39	U	50.0	44.0		ug/L		88	70 - 130
1,2-Dibromo-3-Chloropropane	1.8	U	50.0	40.5		ug/L		81	70 - 130
1,2-Dibromoethane	0.33	U	50.0	44.0		ug/L		88	70 - 130
Dibromomethane	0.34	U	50.0	46.4		ug/L		93	70 - 130
1,2-Dichlorobenzene	0.31	U	50.0	49.3		ug/L		99	70 - 130
1,4-Dichlorobenzene	0.31	U	50.0	50.3		ug/L		101	70 - 130
trans-1,4-Dichloro-2-butene	1.3	U	50.0	45.0		ug/L		90	67 - 120
1,1-Dichloroethane	0.37	J	50.0	48.8		ug/L		97	70 - 130
1,2-Dichloroethane	0.42	J	50.0	44.6		ug/L		88	70 - 130
cis-1,2-Dichloroethene	4.4		50.0	52.9		ug/L		97	70 - 130
trans-1,2-Dichloroethene	1.0		50.0	52.3		ug/L		103	70 - 130
1,1-Dichloroethene	0.33	U	50.0	55.4		ug/L		111	70 - 130
1,2-Dichloropropane	0.22	U	50.0	48.6		ug/L		97	70 - 130
1,3-Dichloropropane	0.36	U	50.0	44.6		ug/L		89	70 - 130
cis-1,3-Dichloropropene	0.26	U	50.0	44.3		ug/L		89	70 - 130
trans-1,3-Dichloropropene	0.23	U	50.0	44.2		ug/L		88	70 - 130
Ethylbenzene	0.20	U	50.0	50.4		ug/L		101	70 - 130
2-Hexanone	3.2	U F1	250	170	F1	ug/L		68	70 - 130
Iodomethane	3.9	U	50.0	50.8		ug/L		102	52 - 129
Methylene Chloride	3.2	U	50.0	48.7		ug/L		97	70 - 130
4-Methyl-2-pentanone (MIBK)	2.7	U	250	179		ug/L		71	68 - 120
Methyl tert-butyl ether	0.81	U	50.0	44.5		ug/L		89	70 - 130
Styrene	0.27	U	50.0	48.5		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	0.36	U	50.0	49.0		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	0.40	U	50.0	44.6		ug/L		89	70 - 130
Tetrachloroethylene	0.35	U	50.0	49.3		ug/L		99	70 - 130
Toluene	0.25	U	50.0	47.8		ug/L		96	70 - 130
1,1,1-Trichloroethane	0.21	U	50.0	49.4		ug/L		99	70 - 130
1,1,2-Trichloroethane	0.32	U	50.0	45.6		ug/L		91	70 - 130
Trichloroethene	3.6		50.0	53.2		ug/L		99	70 - 130
Trichlorofluoromethane	0.33	U	50.0	52.5		ug/L		105	63 - 142
1,2,3-Trichloropropane	0.48	U	50.0	43.7		ug/L		87	70 - 130
Vinyl acetate	0.69	U F1	100	64.6	F1	ug/L		65	67 - 135
Vinyl chloride	7.5		50.0	56.8		ug/L		99	66 - 129
Xylenes, Total	0.23	U	100	98.9		ug/L		99	70 - 130
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
Toluene-d8 (Surr)	96		70 - 130						
1,2-Dichloroethane-d4 (Surr)	93		60 - 124						
Dibromofluoromethane (Surr)	97		70 - 130						
4-Bromofluorobenzene (Surr)	99		70 - 130						

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: 680-207865-19 MSD

Matrix: Water

Analysis Batch: 697186

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	3.7	U	250	171		ug/L		68	67 - 120	2	30
Acrylonitrile	5.5	U	500	392		ug/L		78	70 - 130	1	30
Benzene	0.29	J	50.0	49.4		ug/L		98	70 - 130	1	30
Bromochloromethane	0.34	U	50.0	46.4		ug/L		93	70 - 130	1	30
Bromodichloromethane	0.25	U	50.0	46.8		ug/L		94	70 - 130	0	30
Bromoform	0.59	U	50.0	35.5		ug/L		71	69 - 129	1	30
Bromomethane	3.7	U	50.0	62.3		ug/L		125	28 - 192	7	30
2-Butanone (MEK)	6.4	U F1	250	169	F1	ug/L		67	69 - 120	0	30
Carbon disulfide	0.43	U	50.0	52.5		ug/L		105	70 - 130	1	30
Carbon tetrachloride	0.30	U	50.0	47.9		ug/L		96	70 - 130	2	30
Chlorobenzene	0.15	U	50.0	49.3		ug/L		99	70 - 130	1	30
Chloroethane	4.6	U *+ F1	50.0	219	E F1	ug/L		437	31 - 213	5	30
Chloroform	0.27	U	50.0	48.2		ug/L		96	70 - 130	2	30
Chloromethane	0.54	U	50.0	44.0		ug/L		88	59 - 127	1	30
Dibromochloromethane	0.39	U	50.0	43.1		ug/L		86	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	1.8	U	50.0	39.6		ug/L		79	70 - 130	2	30
1,2-Dibromoethane	0.33	U	50.0	43.1		ug/L		86	70 - 130	2	30
Dibromomethane	0.34	U	50.0	45.7		ug/L		91	70 - 130	2	30
1,2-Dichlorobenzene	0.31	U	50.0	50.0		ug/L		100	70 - 130	1	30
1,4-Dichlorobenzene	0.31	U	50.0	50.5		ug/L		101	70 - 130	0	30
trans-1,4-Dichloro-2-butene	1.3	U	50.0	46.8		ug/L		94	67 - 120	4	30
1,1-Dichloroethane	0.37	J	50.0	49.0		ug/L		97	70 - 130	0	30
1,2-Dichloroethane	0.42	J	50.0	44.1		ug/L		87	70 - 130	1	50
cis-1,2-Dichloroethene	4.4		50.0	51.4		ug/L		94	70 - 130	3	30
trans-1,2-Dichloroethene	1.0		50.0	52.6		ug/L		103	70 - 130	1	30
1,1-Dichloroethene	0.33	U	50.0	54.9		ug/L		110	70 - 130	1	20
1,2-Dichloropropane	0.22	U	50.0	47.6		ug/L		95	70 - 130	2	20
1,3-Dichloropropane	0.36	U	50.0	43.4		ug/L		87	70 - 130	3	20
cis-1,3-Dichloropropene	0.26	U	50.0	43.3		ug/L		87	70 - 130	2	20
trans-1,3-Dichloropropene	0.23	U	50.0	43.1		ug/L		86	70 - 130	3	30
Ethylbenzene	0.20	U	50.0	49.7		ug/L		99	70 - 130	1	20
2-Hexanone	3.2	U F1	250	167	F1	ug/L		67	70 - 130	2	20
Iodomethane	3.9	U	50.0	51.0		ug/L		102	52 - 129	0	30
Methylene Chloride	3.2	U	50.0	48.1		ug/L		96	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	2.7	U	250	175		ug/L		70	68 - 120	2	30
Methyl tert-butyl ether	0.81	U	50.0	44.3		ug/L		89	70 - 130	1	30
Styrene	0.27	U	50.0	47.4		ug/L		95	70 - 130	2	30
1,1,1,2-Tetrachloroethane	0.36	U	50.0	47.8		ug/L		96	70 - 130	2	30
1,1,2,2-Tetrachloroethane	0.40	U	50.0	43.7		ug/L		87	70 - 130	2	30
Tetrachloroethylene	0.35	U	50.0	47.9		ug/L		96	70 - 130	3	30
Toluene	0.25	U	50.0	46.7		ug/L		93	70 - 130	2	30
1,1,1-Trichloroethane	0.21	U	50.0	48.3		ug/L		97	70 - 130	2	30
1,1,2-Trichloroethane	0.32	U	50.0	44.8		ug/L		90	70 - 130	2	30
Trichloroethene	3.6		50.0	52.6		ug/L		98	70 - 130	1	30
Trichlorofluoromethane	0.33	U	50.0	50.5		ug/L		101	63 - 142	4	30
1,2,3-Trichloropropane	0.48	U	50.0	42.9		ug/L		86	70 - 130	2	30
Vinyl acetate	0.69	U F1	100	65.0	F1	ug/L		65	67 - 135	1	30
Vinyl chloride	7.5		50.0	55.2		ug/L		95	66 - 129	3	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: 680-207865-19 MSD

Matrix: Water

Analysis Batch: 697186

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	0.23	U	100	97.3		ug/L		97	70 - 130	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	93		70 - 130
1,2-Dichloroethane-d4 (Surr)	91		60 - 124
Dibromofluoromethane (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 680-697202/9

Matrix: Water

Analysis Batch: 697202

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/03/21 13:08	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/03/21 13:08	1
Benzene	0.27	U	1.0	0.27	ug/L			12/03/21 13:08	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/03/21 13:08	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/03/21 13:08	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/03/21 13:08	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/03/21 13:08	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/03/21 13:08	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/03/21 13:08	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/03/21 13:08	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/03/21 13:08	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/03/21 13:08	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/03/21 13:08	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/03/21 13:08	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/03/21 13:08	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/03/21 13:08	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/03/21 13:08	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/03/21 13:08	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 13:08	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/03/21 13:08	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/03/21 13:08	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/03/21 13:08	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/03/21 13:08	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/03/21 13:08	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/03/21 13:08	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/03/21 13:08	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/03/21 13:08	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/03/21 13:08	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/03/21 13:08	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/03/21 13:08	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/03/21 13:08	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/03/21 13:08	1
Iodomethane	3.9	U	10	3.9	ug/L			12/03/21 13:08	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/03/21 13:08	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/03/21 13:08	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: MB 680-697202/9

Matrix: Water

Analysis Batch: 697202

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/03/21 13:08	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/21 13:08	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/03/21 13:08	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/03/21 13:08	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/03/21 13:08	1
Toluene	0.25	U	1.0	0.25	ug/L			12/03/21 13:08	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/03/21 13:08	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/03/21 13:08	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/03/21 13:08	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/03/21 13:08	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/03/21 13:08	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/03/21 13:08	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/03/21 13:08	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/21 13:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		70 - 130		12/03/21 13:08	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		12/03/21 13:08	1
Dibromofluoromethane (Surr)	100		70 - 130		12/03/21 13:08	1
4-Bromofluorobenzene (Surr)	117		70 - 130		12/03/21 13:08	1

Lab Sample ID: LCS 680-697202/4

Matrix: Water

Analysis Batch: 697202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	212		ug/L		85	67 - 120
Acrylonitrile	500	520		ug/L		104	70 - 130
Benzene	50.0	50.4		ug/L		101	70 - 130
Bromochloromethane	50.0	51.7		ug/L		103	70 - 130
Bromodichloromethane	50.0	53.5		ug/L		107	70 - 130
Bromoform	50.0	50.0		ug/L		100	69 - 129
Bromomethane	50.0	56.8		ug/L		114	28 - 192
2-Butanone (MEK)	250	259		ug/L		104	69 - 120
Carbon disulfide	50.0	56.0		ug/L		112	70 - 130
Carbon tetrachloride	50.0	50.6		ug/L		101	70 - 130
Chlorobenzene	50.0	49.3		ug/L		99	70 - 130
Chloroethane	50.0	64.0		ug/L		128	31 - 213
Chloroform	50.0	51.0		ug/L		102	70 - 130
Chloromethane	50.0	41.3		ug/L		83	59 - 127
Dibromochloromethane	50.0	54.2		ug/L		108	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	55.0		ug/L		110	70 - 130
1,2-Dibromoethane	50.0	54.0		ug/L		108	70 - 130
Dibromomethane	50.0	52.8		ug/L		106	70 - 130
1,2-Dichlorobenzene	50.0	53.6		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	52.7		ug/L		105	70 - 130
trans-1,4-Dichloro-2-butene	50.0	56.8		ug/L		114	67 - 120
1,1-Dichloroethane	50.0	49.0		ug/L		98	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCS 680-697202/4

Matrix: Water

Analysis Batch: 697202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	49.2		ug/L		98	70 - 130
cis-1,2-Dichloroethene	50.0	50.1		ug/L		100	70 - 130
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 130
1,1-Dichloroethene	50.0	50.8		ug/L		102	70 - 130
1,2-Dichloropropane	50.0	50.6		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	53.1		ug/L		106	70 - 130
cis-1,3-Dichloropropene	50.0	51.8		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	53.7		ug/L		107	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
2-Hexanone	250	278		ug/L		111	70 - 130
Iodomethane	50.0	56.8		ug/L		114	52 - 129
Methylene Chloride	50.0	53.8		ug/L		108	70 - 130
4-Methyl-2-pentanone (MIBK)	250	266		ug/L		106	68 - 120
Methyl tert-butyl ether	50.0	52.6		ug/L		105	70 - 130
Styrene	50.0	52.8		ug/L		106	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 130
1,1,2,2-Tetrachloroethane	50.0	53.9		ug/L		108	70 - 130
Tetrachloroethylene	50.0	47.1		ug/L		94	70 - 130
Toluene	50.0	50.3		ug/L		101	70 - 130
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	70 - 130
1,1,2-Trichloroethane	50.0	54.0		ug/L		108	70 - 130
Trichloroethene	50.0	49.6		ug/L		99	70 - 130
Trichlorofluoromethane	50.0	49.6		ug/L		99	63 - 142
1,2,3-Trichloropropane	50.0	51.0		ug/L		102	70 - 130
Vinyl acetate	100	78.8		ug/L		79	67 - 135
Vinyl chloride	50.0	45.6		ug/L		91	66 - 129
Xylenes, Total	100	101		ug/L		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		60 - 124
Dibromofluoromethane (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 680-697202/5

Matrix: Water

Analysis Batch: 697202

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
Acetone	250	228		ug/L		91	67 - 120	7	30
Acrylonitrile	500	541		ug/L		108	70 - 130	4	30
Benzene	50.0	52.2		ug/L		104	70 - 130	4	30
Bromochloromethane	50.0	52.4		ug/L		105	70 - 130	1	30
Bromodichloromethane	50.0	54.1		ug/L		108	70 - 130	1	30
Bromoform	50.0	50.6		ug/L		101	69 - 129	1	30
Bromomethane	50.0	57.9		ug/L		116	28 - 192	2	30
2-Butanone (MEK)	250	267		ug/L		107	69 - 120	3	30
Carbon disulfide	50.0	57.6		ug/L		115	70 - 130	3	30

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCSD 680-697202/5

Matrix: Water

Analysis Batch: 697202

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
Carbon tetrachloride	50.0	50.4		ug/L		101	70 - 130	0	30
Chlorobenzene	50.0	49.5		ug/L		99	70 - 130	0	30
Chloroethane	50.0	65.6		ug/L		131	31 - 213	2	30
Chloroform	50.0	52.0		ug/L		104	70 - 130	2	30
Chloromethane	50.0	42.0		ug/L		84	59 - 127	2	30
Dibromochloromethane	50.0	55.4		ug/L		111	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	54.3		ug/L		109	70 - 130	1	30
1,2-Dibromoethane	50.0	54.4		ug/L		109	70 - 130	1	30
Dibromomethane	50.0	54.4		ug/L		109	70 - 130	3	30
1,2-Dichlorobenzene	50.0	53.2		ug/L		106	70 - 130	1	30
1,4-Dichlorobenzene	50.0	52.4		ug/L		105	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	58.6		ug/L		117	67 - 120	3	30
1,1-Dichloroethane	50.0	50.7		ug/L		101	70 - 130	4	30
1,2-Dichloroethane	50.0	50.8		ug/L		102	70 - 130	3	50
cis-1,2-Dichloroethene	50.0	51.8		ug/L		104	70 - 130	3	30
trans-1,2-Dichloroethene	50.0	51.6		ug/L		103	70 - 130	0	30
1,1-Dichloroethene	50.0	52.0		ug/L		104	70 - 130	2	20
1,2-Dichloropropane	50.0	51.6		ug/L		103	70 - 130	2	20
1,3-Dichloropropane	50.0	54.6		ug/L		109	70 - 130	3	20
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	70 - 130	3	20
trans-1,3-Dichloropropene	50.0	55.0		ug/L		110	70 - 130	2	30
Ethylbenzene	50.0	50.7		ug/L		101	70 - 130	0	20
2-Hexanone	250	286		ug/L		115	70 - 130	3	20
Iodomethane	50.0	57.3		ug/L		115	52 - 129	1	30
Methylene Chloride	50.0	54.9		ug/L		110	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	250	277		ug/L		111	68 - 120	4	30
Methyl tert-butyl ether	50.0	53.3		ug/L		107	70 - 130	1	30
Styrene	50.0	52.3		ug/L		105	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	51.0		ug/L		102	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	55.0		ug/L		110	70 - 130	2	30
Tetrachloroethylene	50.0	47.2		ug/L		94	70 - 130	0	30
Toluene	50.0	51.3		ug/L		103	70 - 130	2	30
1,1,1-Trichloroethane	50.0	49.7		ug/L		99	70 - 130	2	30
1,1,2-Trichloroethane	50.0	54.8		ug/L		110	70 - 130	1	30
Trichloroethene	50.0	48.7		ug/L		97	70 - 130	2	30
Trichlorofluoromethane	50.0	48.5		ug/L		97	63 - 142	2	30
1,2,3-Trichloropropane	50.0	48.7		ug/L		97	70 - 130	5	30
Vinyl acetate	100	76.9		ug/L		77	67 - 135	2	30
Vinyl chloride	50.0	45.8		ug/L		92	66 - 129	1	30
Xylenes, Total	100	102		ug/L		102	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		60 - 124
Dibromofluoromethane (Surr)	105		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: MB 680-697341/9

Matrix: Water

Analysis Batch: 697341

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.7	U	10	3.7	ug/L			12/04/21 14:56	1
Acrylonitrile	5.5	U	20	5.5	ug/L			12/04/21 14:56	1
Benzene	0.27	U	1.0	0.27	ug/L			12/04/21 14:56	1
Bromochloromethane	0.34	U	1.0	0.34	ug/L			12/04/21 14:56	1
Bromodichloromethane	0.25	U	1.0	0.25	ug/L			12/04/21 14:56	1
Bromoform	0.59	U	1.0	0.59	ug/L			12/04/21 14:56	1
Bromomethane	3.7	U	5.0	3.7	ug/L			12/04/21 14:56	1
2-Butanone (MEK)	6.4	U	10	6.4	ug/L			12/04/21 14:56	1
Carbon disulfide	0.43	U	2.0	0.43	ug/L			12/04/21 14:56	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			12/04/21 14:56	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			12/04/21 14:56	1
Chloroethane	4.6	U	5.0	4.6	ug/L			12/04/21 14:56	1
Chloroform	0.27	U	1.0	0.27	ug/L			12/04/21 14:56	1
Chloromethane	0.54	U	1.0	0.54	ug/L			12/04/21 14:56	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			12/04/21 14:56	1
1,2-Dibromo-3-Chloropropane	1.8	U	5.0	1.8	ug/L			12/04/21 14:56	1
1,2-Dibromoethane	0.33	U	1.0	0.33	ug/L			12/04/21 14:56	1
Dibromomethane	0.34	U	1.0	0.34	ug/L			12/04/21 14:56	1
1,2-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/04/21 14:56	1
1,4-Dichlorobenzene	0.31	U	1.0	0.31	ug/L			12/04/21 14:56	1
trans-1,4-Dichloro-2-butene	1.3	U	2.0	1.3	ug/L			12/04/21 14:56	1
1,1-Dichloroethane	0.33	U	1.0	0.33	ug/L			12/04/21 14:56	1
1,2-Dichloroethane	0.25	U	1.0	0.25	ug/L			12/04/21 14:56	1
cis-1,2-Dichloroethene	0.25	U	1.0	0.25	ug/L			12/04/21 14:56	1
trans-1,2-Dichloroethene	0.34	U	1.0	0.34	ug/L			12/04/21 14:56	1
1,1-Dichloroethene	0.33	U	1.0	0.33	ug/L			12/04/21 14:56	1
1,2-Dichloropropane	0.22	U	1.0	0.22	ug/L			12/04/21 14:56	1
1,3-Dichloropropane	0.36	U	1.0	0.36	ug/L			12/04/21 14:56	1
cis-1,3-Dichloropropene	0.26	U	1.0	0.26	ug/L			12/04/21 14:56	1
trans-1,3-Dichloropropene	0.23	U	1.0	0.23	ug/L			12/04/21 14:56	1
Ethylbenzene	0.20	U	1.0	0.20	ug/L			12/04/21 14:56	1
2-Hexanone	3.2	U	10	3.2	ug/L			12/04/21 14:56	1
Iodomethane	3.9	U	10	3.9	ug/L			12/04/21 14:56	1
Methylene Chloride	3.2	U	5.0	3.2	ug/L			12/04/21 14:56	1
4-Methyl-2-pentanone (MIBK)	2.7	U	10	2.7	ug/L			12/04/21 14:56	1
Methyl tert-butyl ether	0.81	U	5.0	0.81	ug/L			12/04/21 14:56	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/21 14:56	1
1,1,1,2-Tetrachloroethane	0.36	U	1.0	0.36	ug/L			12/04/21 14:56	1
1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	ug/L			12/04/21 14:56	1
Tetrachloroethylene	0.35	U	0.50	0.35	ug/L			12/04/21 14:56	1
Toluene	0.25	U	1.0	0.25	ug/L			12/04/21 14:56	1
1,1,1-Trichloroethane	0.21	U	1.0	0.21	ug/L			12/04/21 14:56	1
1,1,2-Trichloroethane	0.32	U	1.0	0.32	ug/L			12/04/21 14:56	1
Trichloroethene	0.20	U	1.0	0.20	ug/L			12/04/21 14:56	1
Trichlorofluoromethane	0.33	U	1.0	0.33	ug/L			12/04/21 14:56	1
1,2,3-Trichloropropane	0.48	U	1.0	0.48	ug/L			12/04/21 14:56	1
Vinyl acetate	0.69	U	2.0	0.69	ug/L			12/04/21 14:56	1
Vinyl chloride	0.40	U	1.0	0.40	ug/L			12/04/21 14:56	1

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: MB 680-697341/9

Matrix: Water

Analysis Batch: 697341

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/21 14:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		12/04/21 14:56	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		12/04/21 14:56	1
Dibromofluoromethane (Surr)	93		70 - 130		12/04/21 14:56	1
4-Bromofluorobenzene (Surr)	101		70 - 130		12/04/21 14:56	1

Lab Sample ID: LCS 680-697341/4

Matrix: Water

Analysis Batch: 697341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	293		ug/L		117	67 - 120
Acrylonitrile	500	591		ug/L		118	70 - 130
Benzene	50.0	55.6		ug/L		111	70 - 130
Bromochloromethane	50.0	44.1		ug/L		88	70 - 130
Bromodichloromethane	50.0	47.8		ug/L		96	70 - 130
Bromoform	50.0	39.1		ug/L		78	69 - 129
Bromomethane	50.0	105	*+	ug/L		210	28 - 192
2-Butanone (MEK)	250	301		ug/L		120	69 - 120
Carbon disulfide	50.0	62.2		ug/L		124	70 - 130
Carbon tetrachloride	50.0	42.2		ug/L		84	70 - 130
Chlorobenzene	50.0	43.9		ug/L		88	70 - 130
Chloroethane	50.0	91.8		ug/L		184	31 - 213
Chloroform	50.0	49.7		ug/L		99	70 - 130
Chloromethane	50.0	43.0		ug/L		86	59 - 127
Dibromochloromethane	50.0	42.5		ug/L		85	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	41.7		ug/L		83	70 - 130
1,2-Dibromoethane	50.0	47.7		ug/L		95	70 - 130
Dibromomethane	50.0	51.6		ug/L		103	70 - 130
1,2-Dichlorobenzene	50.0	49.2		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130
trans-1,4-Dichloro-2-butene	50.0	58.9		ug/L		118	67 - 120
1,1-Dichloroethane	50.0	58.5		ug/L		117	70 - 130
1,2-Dichloroethane	50.0	58.8		ug/L		118	70 - 130
cis-1,2-Dichloroethene	50.0	60.3		ug/L		121	70 - 130
trans-1,2-Dichloroethene	50.0	50.5		ug/L		101	70 - 130
1,1-Dichloroethene	50.0	52.0		ug/L		104	70 - 130
1,2-Dichloropropane	50.0	59.0		ug/L		118	70 - 130
1,3-Dichloropropane	50.0	53.6		ug/L		107	70 - 130
cis-1,3-Dichloropropene	50.0	52.6		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	56.7		ug/L		113	70 - 130
Ethylbenzene	50.0	49.2		ug/L		98	70 - 130
2-Hexanone	250	320		ug/L		128	70 - 130
Iodomethane	50.0	48.9		ug/L		98	52 - 129
Methylene Chloride	50.0	51.6		ug/L		103	70 - 130
4-Methyl-2-pentanone (MIBK)	250	324	*+	ug/L		130	68 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

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

Lab Sample ID: LCS 680-697341/4

Matrix: Water

Analysis Batch: 697341

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	59.1		ug/L		118	70 - 130
Styrene	50.0	46.8		ug/L		94	70 - 130
1,1,1,2-Tetrachloroethane	50.0	41.4		ug/L		83	70 - 130
1,1,2,2-Tetrachloroethane	50.0	64.2		ug/L		128	70 - 130
Tetrachloroethylene	50.0	44.2		ug/L		88	70 - 130
Toluene	50.0	51.7		ug/L		103	70 - 130
1,1,1-Trichloroethane	50.0	47.8		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	53.6		ug/L		107	70 - 130
Trichloroethene	50.0	45.5		ug/L		91	70 - 130
Trichlorofluoromethane	50.0	37.1		ug/L		74	63 - 142
1,2,3-Trichloropropane	50.0	45.1		ug/L		90	70 - 130
Vinyl acetate	100	116		ug/L		116	67 - 135
Vinyl chloride	50.0	52.2		ug/L		104	66 - 129
Xylenes, Total	100	96.5		ug/L		97	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	95		70 - 130
1,2-Dichloroethane-d4 (Surr)	110		60 - 124
Dibromofluoromethane (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	110		70 - 130

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-696048/8

Matrix: Water

Analysis Batch: 696048

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.57	U	0.58	0.57	ug/L			11/24/21 12:27	1
Ethane	0.30	U	1.1	0.30	ug/L			11/24/21 12:27	1
Ethene	0.31	U	1.0	0.31	ug/L			11/24/21 12:27	1

Lab Sample ID: LCS 680-696048/3

Matrix: Water

Analysis Batch: 696048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane (TCD)	1920	1890		ug/L		98	75 - 125

Lab Sample ID: LCS 680-696048/6

Matrix: Water

Analysis Batch: 696048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	154	146		ug/L		95	75 - 125
Ethane	288	281		ug/L		97	75 - 125
Ethene	269	253		ug/L		94	75 - 125

Eurofins TestAmerica, Savannah

QC Sample Results

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Method: RSK-175 - Dissolved Gases (GC) (Continued)

Lab Sample ID: LCSD 680-696048/4

Matrix: Water

Analysis Batch: 696048

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
Methane (TCD)	1920	1890		ug/L		98	75 - 125	0	30

Lab Sample ID: LCSD 680-696048/7

Matrix: Water

Analysis Batch: 696048

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
Methane	154	147		ug/L		96	75 - 125	1	30
Ethane	288	283		ug/L		98	75 - 125	1	30
Ethene	269	255		ug/L		95	75 - 125	1	30

QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

GC/MS VOA

Analysis Batch: 697014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207865-4	OLF-G75 S3	Total/NA	Water	8260D	
680-207865-14	OLF-G20	Total/NA	Water	8260D	
680-207865-16	OLF-G07	Total/NA	Water	8260D	
680-207865-18	PPMP-229-GP12	Total/NA	Water	8260D	
680-207865-20	DUP-383	Total/NA	Water	8260D	
MB 680-697014/9	Method Blank	Total/NA	Water	8260D	
LCS 680-697014/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-697014/5	Lab Control Sample Dup	Total/NA	Water	8260D	
680-207865-16 MS	OLF-G07	Total/NA	Water	8260D	
680-207865-16 MSD	OLF-G07	Total/NA	Water	8260D	

Analysis Batch: 697033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207865-3	OLF-G75 S5	Total/NA	Water	8260D	
MB 680-697033/9	Method Blank	Total/NA	Water	8260D	
LCS 680-697033/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-697033/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 697186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207865-2	OLF-G77	Total/NA	Water	8260D	
680-207865-7	OLF-G47	Total/NA	Water	8260D	
680-207865-8	OLF-G78	Total/NA	Water	8260D	
680-207865-11	OLF-G24	Total/NA	Water	8260D	
680-207865-12	OLF-G35	Total/NA	Water	8260D	
680-207865-15	OLF-G23	Total/NA	Water	8260D	
680-207865-19	OLF-G42	Total/NA	Water	8260D	
MB 680-697186/9	Method Blank	Total/NA	Water	8260D	
LCS 680-697186/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-697186/5	Lab Control Sample Dup	Total/NA	Water	8260D	
680-207865-19 MS	OLF-G42	Total/NA	Water	8260D	
680-207865-19 MSD	OLF-G42	Total/NA	Water	8260D	

Analysis Batch: 697202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207865-5	OLF-G18	Total/NA	Water	8260D	
680-207865-6	OLF-G19	Total/NA	Water	8260D	
680-207865-9	OLF-G21	Total/NA	Water	8260D	
680-207865-13	OLF-G22	Total/NA	Water	8260D	
680-207865-17	OLF-G12	Total/NA	Water	8260D	
680-207865-21	MB-109	Total/NA	Water	8260D	
680-207865-22	EB-139	Total/NA	Water	8260D	
680-207865-23	TB-586	Total/NA	Water	8260D	
MB 680-697202/9	Method Blank	Total/NA	Water	8260D	
LCS 680-697202/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-697202/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 697341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207865-1	OLF-G48	Total/NA	Water	8260D	
680-207865-10	OLF-G36	Total/NA	Water	8260D	

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QC Association Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

GC/MS VOA (Continued)

Analysis Batch: 697341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-697341/9	Method Blank	Total/NA	Water	8260D	
LCS 680-697341/4	Lab Control Sample	Total/NA	Water	8260D	

GC VOA

Analysis Batch: 696048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-207865-2	OLF-G77	Total/NA	Water	RSK-175	
680-207865-15	OLF-G23	Total/NA	Water	RSK-175	
680-207865-17	OLF-G12	Total/NA	Water	RSK-175	
680-207865-21	MB-109	Total/NA	Water	RSK-175	
680-207865-22	EB-139	Total/NA	Water	RSK-175	
MB 680-696048/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-696048/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-696048/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-696048/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-696048/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G48

Lab Sample ID: 680-207865-1

Date Collected: 11/20/21 15:50

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697341	12/04/21 17:45	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G77

Lab Sample ID: 680-207865-2

Date Collected: 11/20/21 10:05

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		20	5 mL	5 mL	697186	12/03/21 20:17	SMP	TAL SAV
Instrument ID: CMSO2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	696048	11/24/21 14:30	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G75 S5

Lab Sample ID: 680-207865-3

Date Collected: 11/19/21 11:10

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697033	12/02/21 20:41	UI	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G75 S3

Lab Sample ID: 680-207865-4

Date Collected: 11/19/21 12:40

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697014	12/02/21 17:56	EMA	TAL SAV
Instrument ID: CMSS										

Client Sample ID: OLF-G18

Lab Sample ID: 680-207865-5

Date Collected: 11/22/21 10:01

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697202	12/03/21 15:21	Y1S	TAL SAV
Instrument ID: CMSU										

Client Sample ID: OLF-G19

Lab Sample ID: 680-207865-6

Date Collected: 11/22/21 08:46

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697202	12/03/21 15:41	Y1S	TAL SAV
Instrument ID: CMSU										

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Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G47

Lab Sample ID: 680-207865-7

Date Collected: 11/20/21 14:45

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697186	12/03/21 15:52	SMP	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G78

Lab Sample ID: 680-207865-8

Date Collected: 11/20/21 11:25

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697186	12/03/21 16:19	SMP	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G21

Lab Sample ID: 680-207865-9

Date Collected: 11/22/21 11:06

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697202	12/03/21 16:01	Y1S	TAL SAV
Instrument ID: CMSU										

Client Sample ID: OLF-G36

Lab Sample ID: 680-207865-10

Date Collected: 11/22/21 08:50

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697341	12/04/21 18:04	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G24

Lab Sample ID: 680-207865-11

Date Collected: 11/21/21 10:45

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697186	12/03/21 16:45	SMP	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G35

Lab Sample ID: 680-207865-12

Date Collected: 11/21/21 09:30

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697186	12/03/21 17:12	SMP	TAL SAV
Instrument ID: CMSO2										

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G22

Lab Sample ID: 680-207865-13

Date Collected: 11/22/21 11:40

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697202	12/03/21 16:21	Y1S	TAL SAV
Instrument ID: CMSU										

Client Sample ID: OLF-G20

Lab Sample ID: 680-207865-14

Date Collected: 11/19/21 14:25

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697014	12/02/21 18:21	EMA	TAL SAV
Instrument ID: CMSS										

Client Sample ID: OLF-G23

Lab Sample ID: 680-207865-15

Date Collected: 11/21/21 13:30

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697186	12/03/21 17:39	SMP	TAL SAV
Instrument ID: CMSO2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	696048	11/24/21 14:43	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G07

Lab Sample ID: 680-207865-16

Date Collected: 11/19/21 15:30

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697014	12/02/21 21:40	EMA	TAL SAV
Instrument ID: CMSS										

Client Sample ID: OLF-G12

Lab Sample ID: 680-207865-17

Date Collected: 11/22/21 10:10

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697202	12/03/21 16:41	Y1S	TAL SAV
Instrument ID: CMSU										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	696048	11/24/21 15:30	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-207865-18

Date Collected: 11/19/21 09:05

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697014	12/02/21 20:50	EMA	TAL SAV
Instrument ID: CMSS										

Eurofins TestAmerica, Savannah

Lab Chronicle

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Client Sample ID: OLF-G42

Lab Sample ID: 680-207865-19

Date Collected: 11/20/21 12:45

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697186	12/03/21 18:05	SMP	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: DUP-383

Lab Sample ID: 680-207865-20

Date Collected: 11/19/21 00:00

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697014	12/02/21 20:25	EMA	TAL SAV
Instrument ID: CMSS										

Client Sample ID: MB-109

Lab Sample ID: 680-207865-21

Date Collected: 11/22/21 13:00

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697202	12/03/21 14:21	Y1S	TAL SAV
Instrument ID: CMSU										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	696048	11/24/21 15:43	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: EB-139

Lab Sample ID: 680-207865-22

Date Collected: 11/22/21 12:45

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697202	12/03/21 14:41	Y1S	TAL SAV
Instrument ID: CMSU										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	696048	11/24/21 15:56	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: TB-586

Lab Sample ID: 680-207865-23

Date Collected: 11/22/21 12:30

Matrix: Water

Date Received: 11/23/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	697202	12/03/21 15:01	Y1S	TAL SAV
Instrument ID: CMSU										

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins TestAmerica, Savannah

Accreditation/Certification Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-22

1

2

3

4

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6

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8

9

10

11

12

Method Summary

Client: Matrix Environmental Services, LLC
Project/Site: Parcel 80(6), Landfill 3

Job ID: 680-207865-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
5030C	Purge and Trap	SW846	TAL SAV

Protocol References:

RSK = Sample Prep And Calculations For Dissolved Gas Analysis In Water Samples Using A GC Headspace Equilibration Technique , RSKSOP-175,
Rev. 0, 8/11/94, USEPA Research Lab
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory TestAmerica
 Lab Contact Jon Lawhon; Amy Ragnaldsen
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2.500
 Lab contract:

Cooler ID **6439** Page 1 of 2

Station ID	QC Code	Station Code	Matrix	Sample Method	MS/MSD	Date Collected	Sample Time	Analysis			
								SW8260B - VOC	RSK-175 -M,E,F	SW9060A -TOC	SW8260B - VOC TB
OLF - G48	NS	MW	Water	BP		11-20-2021	1550	X			
OLF - G77	NS	MW	Water	BP		11-20-2021	1005	X			
OLF - G75 S5	NS	MW	Water	BP		11-19-2021	1110	X			
OLF - G75 S3	NS	MW	Water	BP		11-19-2021	1240	X			
OLF - G18	NS	MW	Water	BP		11-22-2021	1001	X			
OLF - G19	NS	MW	Water	BP		11-22-2021	0846	X			
OLF - G47	NS	MW	Water	BP		11-20-2021	1445	X			
OLF - G78	NS	MW	Water	BP		11-20-2021	1125	X			
OLF - G21	NS	MW	Water	BP		11-22-2021	1106	X			
OLF - G37 G36	NS	MW	Water	BP		11-22-2021	0850	X			
OLF - G24	NS	MW	Water	BP		11-21-2021	1045	X			
OLF - G35	NS	MW	Water	BP		11-21-2021	0930	X			
OLF - G22	NS	MW	Water	BP		11-22-2021	1140	X			
OLF - G20	NS	MW	Water	BP		11-19-2021	1425	X			
OLF - G23	NS	MW	Water	BP		11-21-2021	1330	X			
OLF - G07	NS	MW	Water	BP	X	11-19-2021	1530	X			
OLF - G12	NS	MW	Water	BP		11-22-2021	1010	X			
PPMP - 229 - GP12	NS	MW	Water	BP		11-19-2021	0905	X			



NOTES:
 QC Code. NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water
 Station Type MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water
 Sampling Methods B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt
 See Task Order 093 for required list of VOCs and metals.

Double the number of bottles for MS/MSD

Relinquished by (Signature)

Date/Time

Received by (Signature)

Fedex

11-22-2021/1600

Relinquished by (Signature)

Date/Time

Received by (Signature)

DM 7A 11-23-21 1045-
 20/21

Laboratory TestAmerica
 Lab Contact Jon Lawhon; Amy Ragnaldsen
 MES Contact Betty Van Pelt
 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 21.094.22-05.2.500
 Lab contract:

Cooler ID 6439 Page 2 of 2
Analysis

[illegible]

QC Code NS = Investigative Sample, FD = Field Duplicate, MS/MSD = Matrix Spike/Matrix Spike Duplicate, EB = Equipment Blank, TB = Trip Blank, WQ = Water Quality, WS = Source Water Station Type MW = Monitoring Well, BH = Bore Hole, SD = Sediment, SW = Surface Water, SS = Surface Soil, SU = Sump, WS = Waste Solid/Soil, WW = Waste Water Sampling Methods. B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump
White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt
Double the number of bottles for MS/MSD

Relinquished by (Signature)

David Abernathy

Date/Time

Date/Time 11-22-2021 1600

Received by (Signature)

Feder

Relinquished by (Signature)

Date/Time

Received by (Signature)

Received by (Signature)  7A 11-23-01 1045 20/2

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-207865-1

Login Number: 207865

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Sims, Robert D

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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.	True	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix D
Historical Analytical Results

Table D.1
On-Site Groundwater Analytical Results for
Year 1 - Year 5 Post Remediation

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G16	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20
Date	11/13/17	5/16/18	11/13/18	5/7/19	11/20/19	5/28/20	11/18/20	5/12/21	11/19/21	5/20/22	5/12/21	11/13/17	5/23/18	11/13/18	5/7/19	11/20/19	5/28/20	
Volatile Organic Compounds (µg/L)																		
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,2,2-Tetrachloroethane	25	51	29 (J)	96	67	180 (J)	59	130	71	130	< 1	< 1	< 1	1.3	< 1	< 1	< 1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	--	< 1	< 1	--	--	
1,1,2-Trichloroethane	0.4 J	0.61 J	< 1	1.2	1	2	0.79 J	2	0.86 J	1.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.7	2.6	3.4	1.9	2.7	2.3	
1,1-Dichloropropene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	--	--	
1,2,3-Trichlorobenzene	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 5	< 1	< 5	< 5	< 5	--	--	
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2,4-Trichlorobenzene	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 5	< 1	< 5	< 5	< 5	--	--	
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	--	--	
1,2-Dibromo-3-Chloropropane	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 2	< 5	< 5	< 5	< 5	< 5	
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.55 J	0.52 J	0.54 J	< 1	< 1	< 1	
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	--	--	
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	--	--	
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.32 J	< 1	< 1	< 1	< 1	< 1	
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
2,2-Dichloropropane	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	--	--	
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
2-Chlorotoluene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	--	--	
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
4-Chlorotoluene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	--	--	
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Acrylonitrile	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10	--	< 20	< 20	< 20	< 20	
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.66 J	0.52 J	0.57 J	0.46 J	0.54 J	0.54 J	
Bromobenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	--	--	
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromomethane	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5 * *1	
Carbon Disulfide	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chlorobenzene	0.3 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.7	2.1	2.2	1.5	1.8	1.8	
Chloroethane	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.57 J	< 5	< 5	< 5	< 5	< 5 *	
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chloromethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G16	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20
Date	11/13/17	5/16/18	11/13/18	5/7/19	11/20/19	5/28/20	11/18/20	5/12/21	11/19/21	5/20/22	5/12/21	11/13/17	5/23/18	11/13/18	5/7/19	11/20/19	5/28/20	
Cis-1,2-Dichloroethene	2.4	4	2.2	6.6	6.1	11	4.3	8.3	5.4	8.2	< 1	17	9.3	8.6	5.9 B	8.9	5.9	
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Dichlorodifluoromethane	< 2	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 2	< 1	< 1	< 1	--	--	
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Hexachlorobutadiene	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 5	< 1	< 5	< 5	< 5	--	--	
Iodomethane	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2	--	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	< 1	--	--
m,p-Xylene	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	--	< 1	< 1	< 1	< 1	--	--
Methylene Chloride	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5 (UJ)	< 10	< 1	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 2	< 5	< 5	< 5	--	--	--	< 5	--	--	< 5	< 2	< 5	< 5	< 5	< 5	--	--
N-Butylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	< 1	--	--
N-Propylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	< 1	--	--
O-Xylene	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	--	< 1	< 1	< 1	< 1	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	< 1	--	--
Sec-Butylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	< 1	--	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	< 1	< 1	--	--
Tetrachloroethylene	0.32 J	< 1	< 1	< 1	< 1	0.99 J	< 1	1.2	< 0.5	0.53	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	1.1	1.6	1.3	2.9	2.4	4.9	2.3	4.5	2.5	3.6	< 1	4.5	3	3	1.5	2.3	1.5	
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2
Trichloroethene	20	26	19	48	34	83	37	63	37	50	< 1	25	15	16	9.2	11	7.7	
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 0.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	7.5	8	10	6.5	7.8	8.4	
Xylenes (Total)	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)																		
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G71- PORT1
Date	11/18/20	5/11/21	11/19/21	5/20/22	5/23/18	11/19/18	5/13/19	11/20/19	5/28/20	11/11/20	5/11/21	11/20/21	5/20/22	11/7/17
Volatile Organic Compounds (µg/L)														
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.4	< 1	< 1	< 1	< 1	0.21 J
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	--	--	< 1	< 1	--	--	--	< 1	--	--	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	0.48 J	3.4	< 1	3.2	< 1	< 1	< 1	0.37 J	< 1	< 1
1,1-Dichloroethene	2	2.3	2.9	1.3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.7 J
1,1-Dichloropropene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
1,2,3-Trichlorobenzene	--	< 5	--	--	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	--	< 5	--	--	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1
1,2,4-Trimethylbenzene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	0.3 J	< 1	1.6	< 1	1.7	< 1	< 1	< 1	0.42 J	< 1	1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
1,3-Dichlorobenzene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	0.77 J	< 1	0.77 J	< 1	< 1	< 1	< 1	< 1	0.51 J
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
2-Hexanone	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	--	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10
Benzene	0.45 J	0.48 J	< 1	0.36 J	< 1	1.7	< 1	1.3	< 1	< 1	< 1	0.29 J	< 1	1.1
Bromobenzene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	1.3	1.3	< 1	1.1	< 1	0.51 J	< 1	0.58 J	< 1	< 1	< 1	< 1	0.37 J	4.9
Chloroethane	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.94 J
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G71- PORT1
Date	11/18/20	5/11/21	11/19/21	5/20/22	5/23/18	11/19/18	5/13/19	11/20/19	5/28/20	11/11/20	5/11/21	11/20/21	5/20/22	11/7/17
Cis-1,2-Dichloroethene	5.8	6.1	6.4	4.2	1	13	2.8	18	3	4.5	3.4	4.4	3.3	140
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 2
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	--	< 5	--	--	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1
Iodomethane	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 2
Isopropyl Benzene (Cumene)	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
m,p-Xylene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2
methyl-t-butyl-Ether	< 10	< 10	< 5	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 1
Naphthalene	--	< 5	--	--	< 5	< 5	< 5	--	--	--	< 5	--	--	< 2
N-Butylbenzene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
N-Propylbenzene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
O-Xylene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--
P-Isopropyltoluene (Cymene)	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
Sec-Butylbenzene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	--	< 1	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1
Tetrachloroethylene	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.5
Trans-1,2-Dichloroethene	1.3	1.6	1.7	0.76 J	0.75 J	4.9	0.64 J	5.2	0.5 J	1.1	0.59 J	1	0.43 J	14
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2
Trichloroethene	8.5	6.7	8.1	4.4	0.55 J	0.82 J	11	0.69 J	9.3	4.6	6.9	3.6	6	15
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2
Vinyl Chloride	6.9	7.6	7.1	9	1.9	29	1.4	27	1.8	5.7	2.7	7.5	2.7	4.8
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 3
Dissolved Gases (µg/L)														
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2
Date	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	11/10/21	5/16/22	11/7/17	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	5	5.8	7.4	< 1	< 1	< 1	1.7	1.4	8.4	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--
1,1,2-Trichloroethane	< 2	< 1	0.55 J	< 1	< 1	< 1	< 1	< 5	0.65 J	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	0.86 J	0.98 J	0.89 J	0.69 J	0.92 J	< 1	0.86 J	0.81 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
1,2,3-Trichlorobenzene	< 10	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 5	< 5	< 5	< 5	--
1,2,3-Trichloropropane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 10	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 5	< 5	< 5	< 5	--
1,2,4-Trimethylbenzene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
1,2-Dibromo-3-Chloropropane	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	1.3 J	0.96 J	1	0.7 J	0.97 J	< 1	0.78 J	1	0.88 J	0.8 J	0.94 J	0.59 J	0.66 J	< 1	0.55 J
1,2-Dichloropropane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
1,3-Dichlorobenzene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
1,3-Dichloropropane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 2	0.6 J	0.66 J	< 1	0.57 J	< 1	0.66 J	< 1	0.71 J	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
2-Butanone (MEK)	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
2-Hexanone	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
4-Methyl-2-Pentanone (MIBK)	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	7 J	< 10	< 10
Acrylonitrile	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 10	--	< 20	< 20	< 20	< 20
Benzene	1.1 J	0.94 J	1.1	0.69 J	1.1	< 1	0.95 J	0.8 J	0.83 J	0.57 J	0.72 J	0.6 J	0.67 J	0.49 J	0.65 J
Bromobenzene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
Bromochloromethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 4	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	5.4	5.5	5.8	3.9	5.7	2.3	6.1	5.8	5.8	2.1	2.8	2.3	2.5	1.4	1.6
Chloroethane	< 10	< 5	4.3 J	< 5	< 5	< 5	< 5	< 1	< 5	0.75 J	< 5	< 5	< 5	< 5	< 5
Chloroform	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2
Date	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	11/10/21	5/16/22	11/7/17	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20
Cis-1,2-Dichloroethene	130	110	120	110	140	31	110	55	66	49	60	44	47	39	43
Cis-1,3-Dichloropropene	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 2	< 1	< 1	< 1	< 1	--
Ethylbenzene	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 10	< 5	< 5	< 5	--	--	< 5	< 5	--	< 1	< 5	< 5	< 5	< 5	--
Iodomethane	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 2	--	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
m,p-Xylene	< 2	< 1	< 1	0.5 J	--	--	< 1	< 5	--	--	< 1	< 1	< 1	< 1	--
Methylene Chloride	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 20	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 10	< 5	< 5	< 5	--	--	< 5	< 1	--	< 2	< 5	< 5	< 5	< 5	--
N-Butylbenzene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
N-Propylbenzene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
O-Xylene	< 2	< 1	< 1	< 1	--	--	< 1	< 5	--	--	< 1	< 1	< 1	< 1	--
P-Isopropyltoluene (Cymene)	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
Sec-Butylbenzene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
Styrene	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 2	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--
Tetrachloroethylene	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	1 J	0.59 J	0.61 J	0.84 J	2.6	6.4	0.88 J	0.77 J	< 1	5.3	2.1	1.6	1.3	1	2.4
Trans-1,2-Dichloroethene	19	17 (B)	17	14	20	9.2	16	15	13	4.2	5.4	4.1	4.2	2.8	3.3
Trans-1,3-Dichloropropene	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	< 2	--	< 2	< 2	< 2	< 2
Trichloroethene	47	47	83	43	46	10	100	86	110	12	9.7	11	10	5.3	3.4
Trichlorofluoromethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 4	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	6.9	6.7	6.2	4.7	10	2.4	13	10	21	2	2.8	2.4	2.3	1.9	2.5
Xylenes (Total)	< 2	< 1	< 1	0.5 J	< 1	< 1	< 1	< 10	< 1	< 3	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)															
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3
Date	11/12/20	5/11/21	11/10/21	5/16/22	11/7/17	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	11/10/21
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	1.4	1.1	0.88 J	0.73 J	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1
1,1,2-Trichloroethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	0.36 J	0.42 J	0.36 J	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,2,3-Trichlorobenzene	--	< 5	< 1	--	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1
1,2,3-Trichloropropane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
1,2,4-Trichlorobenzene	--	< 5	< 1	--	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1
1,2,4-Trimethylbenzene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	0.5 J	< 1	< 1	0.41 J	0.77 J	0.78 J	0.69 J	0.64 J	0.5 J	0.72 J	< 1	0.58 J	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,3-Dichlorobenzene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	0.37 J	0.48 J	0.56 J	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
2-Chlorotoluene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
2-Hexanone	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
4-Chlorotoluene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
Acetone	< 10	< 10	< 25	< 10	6.2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
Acrylonitrile	< 20	< 20	< 10	< 20	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10
Benzene	< 1	0.51 J	0.56 J	0.45 J	0.79 J	0.78 J	0.73 J	0.67 J	0.46 J	0.79 J	< 1	0.57 J	0.48 J
Bromobenzene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Bromomethane	< 5	< 5	< 1	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
Carbon Disulfide	< 2	< 2	< 1	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	1.2	< 1	1.6	1.4	3.3	3.5	3.1	2.7	1.7	2.6	1.8	2	1.7
Chloroethane	< 5	< 5	< 1	< 5	0.85 J	< 5	< 5	3.2 J	< 5	< 5	< 5	< 5	< 1
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3
Date	11/12/20	5/11/21	11/10/21	5/16/22	11/7/17	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	11/10/21
Cis-1,2-Dichloroethene	40	33	39	40	53	48	31	27	21	29	19	21	17
Cis-1,3-Dichloropropene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Dichlorodifluoromethane	--	< 1	< 1	--	< 2	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	--	< 5	< 5	--	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 5
Iodomethane	< 10	< 10	< 1	< 10	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1
Isopropyl Benzene (Cumene)	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
m,p-Xylene	--	< 1	< 5	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5
Methylene Chloride	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 1	< 5	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1
Naphthalene	--	< 5	< 1	--	< 2	< 5	< 5	< 5	< 5	--	--	< 5	< 1
N-Butylbenzene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
N-Propylbenzene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
O-Xylene	--	< 1	< 5	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5
P-Isopropyltoluene (Cymene)	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Sec-Butylbenzene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	1.7	2	0.92 J	0.47 J	1.2	< 1	< 1	< 1	< 1	0.64 J	0.99 J	0.96 J	0.63 J
Trans-1,2-Dichloroethene	2.5	2.1	2.7	3	7.9	7.4	6.1 (B)	5.1	3.5	5.2	3.9	3.5	2.7
Trans-1,3-Dichloropropene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 5	< 2 (UJ)	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5
Trichloroethene	4.6	2.9	4.8	4.7	47	58	54	52	33	49	33	33	31
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25
Vinyl Chloride	2	1.9	1.9	2.7	3.8	3.8	4.3	3.6	2.6	4.5	2.7	2.9	2.6
Xylenes (Total)	< 1	< 1	< 10	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G71- PORT3	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT5	OLF-G71- PORT5
Date	5/16/22	11/7/17	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	11/10/21	5/16/22	11/7/17	5/16/18
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	1.9	1.1	0.73 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	--
1,1,2-Trichloroethane	< 1	0.25 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
1,2,3-Trichlorobenzene	--	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,2,4-Trichlorobenzene	--	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 5
1,2,4-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	0.58 J	0.64 J	0.62 J	0.56 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1	0.63 J
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
1,3-Dichlorobenzene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	0.42 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
2-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
4-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	7.1 J
Acrylonitrile	< 20	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 10	--
Benzene	0.51 J	0.71 J	0.62 J	0.52 J	0.44 J	< 1	0.48 J	< 1	< 1	0.25 J	< 1	1.1	0.62 J
Bromobenzene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Bromomethane	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 5
Carbon Disulfide	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	0.24 J	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	1.9	2.6	2.7	2.7	2.3	1.1	1.7	0.28 J	1.4	1.2	1.1	1.4	0.6 J
Chloroethane	< 5	0.53 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	0.74 J	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.38 J	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G71- PORT3	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT5	OLF-G71- PORT5
Date	5/16/22	11/7/17	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	11/10/21	5/16/22	11/7/17	5/16/18
Cis-1,2-Dichloroethene	18	32	34	27	26	17	26	7.9	13	7.7	9	14	6.7
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Dichlorodifluoromethane	--	< 2	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 2	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	--	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 5	--	< 1	< 5
Iodomethane	< 10	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 2	--
Isopropyl Benzene (Cumene)	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
m,p-Xylene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--	--	< 1
Methylene Chloride	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5
methyl-t-butyl-Ether	< 5	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 10
Naphthalene	--	< 2	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 2	< 5
N-Butylbenzene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
N-Propylbenzene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
O-Xylene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--	--	< 1
P-Isopropyltoluene (Cymene)	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
Sec-Butylbenzene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	--	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1
Tetrachloroethylene	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1
Toluene	< 1	11	3.6	2.2	1.8	1	1.6	1.4	0.67 J	0.96 J	0.35 J	20	2.4
Trans-1,2-Dichloroethene	3.4	2.4	2.4	2.3 (B)	1.6	0.74 J	1.4	1.3	1.2	0.83 J	1.1	0.53 J	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2 (UJ)	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	< 2	--
Trichloroethene	31	23	25	24	22	3.2	8.2	4.9	7.3	5.5	11	0.97 J	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2	< 2	< 2
Vinyl Chloride	3.8	1.7	1.7	2.2	1.6	0.9 J	1.7	1.2	1.7	1.2	1.4	0.71 J	< 1
Xylenes (Total)	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 3	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1
Date	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	11/10/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	160	55	0.99 J	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	--	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	26	19	3.6	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3.5	0.67 J	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 1	< 1	< 5	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 1	< 1	< 5	< 5
1,2,4-Trimethylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	0.57 J	0.58 J	< 1	< 1	< 1	< 1	< 1	0.28 J	3.2	7.6	17	11	6.8
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.52 J	0.32 J	0.41 J	0.47 J	0.79 J
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	85	110	98	47	< 10
2-Chlorotoluene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	3.6 J	2.1 J	< 10
4-Chlorotoluene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	16	13	15	8.9 J	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 10	< 10	< 10	--	< 20
Benzene	1.1	0.92 J	0.74 J	1.1	< 1	0.97 J	0.75 J	0.66 J	0.87 J	0.7 J	1	1.1	1.2
Bromobenzene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 2	< 2	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	0.99 J	1.2	0.63 J	< 1	0.4 J	< 1	0.44 J	< 1	44	29	35	34	55
Chloroethane	< 5	2.5 J	< 5	< 5	< 5	< 5	< 1	< 5	0.37 J	0.38 J	0.86 J	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G71- PORT5	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1
Date	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	11/10/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18
Cis-1,2-Dichloroethene	6.3	9	5.6	6.7	8.4	2.9	1.1	2.5	460	130	6.8	2.2	0.85 J
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	< 1	--	--	< 1	< 1	--	< 2	< 2	< 2	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	< 5	--	--	< 5	< 5	--	< 1	< 1	< 1	< 5	< 5
Iodomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 2	< 2	< 2	--	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
m,p-Xylene	< 1	< 1	< 1	--	--	< 1	< 5	--	--	--	--	< 1	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.6 J	1.5 J	1.2 J	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 1	< 1	< 10	< 10
Naphthalene	< 5	< 5	< 5	--	--	< 5	< 1	--	< 2	< 2	< 2	< 5	< 5
N-Butylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
N-Propylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
O-Xylene	< 1	< 1	< 1	--	--	< 1	< 5	--	--	--	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	0.98 J	0.56 J	0.55 J	< 1	< 1
Toluene	3.2	3.3	1.6	2.4	1.4	1.3	0.79 J	0.76 J	2	1.8	1.7	1.2	0.69 J
Trans-1,2-Dichloroethene	< 1	0.48 J	< 1	< 1	1.3	< 1	< 1	< 1	46	32	62	18	2.1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	< 2	< 2	< 2	--	< 2
Trichloroethene	< 1	1.3	< 1	< 1	5.8	< 1	< 1	0.27 J	11	4.6	0.75 J	< 1	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	0.5 J	< 1	< 1	1.3	< 1	< 1	< 1	25	26	1.9	0.52 J	< 1
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 3	< 3	< 3	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	5.7	5.3	7.9	15	26
Ethene	--	--	--	--	--	--	--	--	7.5	56	120	190	250
Methane	--	--	--	--	--	--	--	--	250	5300	8100	32000	27000

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2
Date	5/2/19	11/12/19	5/19/20	11/11/20	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
1,1,2,2-Tetrachloroethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	110	52	15	5.1	< 5	0.76 J
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 5	< 1
1,1,2-Trichloroethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	18	7.2	3.8	< 5	< 5	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	3	2.4	2	< 5	< 5	< 1
1,1-Dichloropropene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
1,2,3-Trichlorobenzene	< 5 (UJ)	< 5	--	< 5	< 5	< 1	--	< 1	< 1	< 1	< 25	< 25	< 5
1,2,3-Trichloropropane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 5	< 5	< 1
1,2,4-Trichlorobenzene	< 5 (UJ)	< 5	--	< 5	< 5	< 1	--	< 1	< 1	< 1	< 25	< 25	< 5
1,2,4-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
1,2-Dibromo-3-Chloropropane	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 2	< 2	< 2	< 25	< 25	< 5
1,2-Dibromoethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
1,2-Dichlorobenzene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
1,2-Dichloroethane	5.5 (J)	5.6	6.8	2.1	1.4	1.6	0.79 J	3	14	28	19	7.9	3.7
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.21 J	< 1	< 5	< 5	< 1
1,3,5-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
1,3-Dichlorobenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
1,3-Dichloropropane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
1,4-Dichlorobenzene	0.96 J (UB)	< 1	< 1	< 1	< 1	0.95 J	0.64 J	0.23 J	0.27 J	0.38 J	< 5	< 5	0.8 J (UB)
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
2-Butanone (MEK)	16 (J)	10	< 10	< 10	< 10	< 25	< 10	17	< 10	32	26 J	33 J	35
2-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
2-Hexanone	< 10 (UJ)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 50	< 50	2.4 J
4-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
4-Methyl-2-Pentanone (MIBK)	< 10 (UJ)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 50	< 50	< 10
Acetone	7.6 J (J)	22	7.8 J	< 10	< 10	< 25	< 10	< 10	10	15	< 50	< 50	12
Acrylonitrile	< 20 (UJ)	< 20	< 20	< 20	< 20	< 10	< 20	< 10	< 10	< 10	--	< 100	< 20
Benzene	1.2	0.81 J	0.92 J	1.1	1.3	1.4	1	1.2	1.6	2.1	< 5	< 5	1.7
Bromobenzene	< 1 (UJ)	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
Bromochloromethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Bromodichloromethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Bromoform	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 2	< 2	< 25	< 25	< 5
Carbon Disulfide	1.5 J (UB)	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 1	0.21 J	< 10	< 10	1.2 J (UB)
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Chlorobenzene	51	39 (J)	40	57	61	79	64	19	20	32	35	36	36
Chloroethane	< 5	2.5 J	3.7 J	6.2	7	8.1	9.8	< 2	0.62 J	4.3	< 25	< 25	7.2
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 5	< 5	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2
Date	5/2/19	11/12/19	5/19/20	11/11/20	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19
Cis-1,2-Dichloroethene	0.62 J	0.52 J	0.61 J	0.44 J	< 1	< 1	< 1	370	430	450	410	110	26
Cis-1,3-Dichloropropene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Dibromochloromethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Dibromomethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Dichlorodifluoromethane	< 1	< 1	--	< 1	< 1	< 1	--	< 2	< 2	< 2	< 5	< 5	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Hexachlorobutadiene	< 5	< 5	--	< 5	< 5	< 5	--	< 1	< 1	< 1	< 25	< 25	< 5
Iodomethane	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 2	< 2	< 2	--	< 50	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
m,p-Xylene	< 1	< 1	--	< 1	0.36 J	< 5	--	--	--	--	< 5	< 5	< 1
Methylene Chloride	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	1.2 J	0.9 J	0.64 J	< 25	< 25	< 5
methyl-t-butyl-Ether	< 10 (UJ)	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 1	< 1	< 50	< 50	< 10
Naphthalene	< 5 (UJ)	< 5	--	< 5	< 5	2.7	--	< 2	< 2	< 2	< 25	< 25	< 5
N-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
N-Propylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
O-Xylene	< 1	< 1	--	< 1	< 1	< 5	--	--	--	--	< 5	< 5	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
Sec-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Tert-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 5	< 5	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	0.74 J	0.41 J	0.27 J	< 5	< 5	< 1
Toluene	0.57 J	3	6.7	2.4	2.7	1.5	0.97 J	5.9	9.2	8.3	9.9	10	6.4
Trans-1,2-Dichloroethene	1.3 (UB)	0.82 J	0.81 J	0.5 J	< 1	0.62 J	< 1	37	31	29	27	20	16 (B)
Trans-1,3-Dichloropropene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Trans-1,4-Dichloro-2-Butene	< 2 (UJ)	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	< 2	< 2	< 2	--	< 10	< 2
Trichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	51	28	12	6.6	3.2 J	1.7
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1
Vinyl Acetate	< 2 (UJ)	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 10	< 10	< 2
Vinyl Chloride	< 1	0.81 J	< 1	< 1	< 1	< 1	< 1	35	18	23	18	13	4.4
Xylenes (Total)	< 1	< 1	< 1	< 1	0.36 J	< 10	< 1	< 3	< 3	< 3	< 5	< 5	< 1
Dissolved Gases (µg/L)													
Ethane	19	25	20	37	52	33	41	4.8	2.7	1.7	1.9	< 1.1	5.1
Ethene	190	180	47	19	11	7.6	11	5.8	4.6	5.7	17	30	50
Methane	31000	36000	24000	30000	38000	50000	50000	270	12000	9900	21000	21000	21000

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3
Date	11/12/19	5/19/20	11/11/20	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	75	21	1.6	1.5	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 5	< 1	27	12	0.87 J	0.5 J	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	1.5	1.2	< 1	< 1	< 1	< 1	< 1 *
1,1-Dichloropropene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5	--	< 5	< 5	0.97 J (UB)	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	--	< 5	< 5	< 1	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5
1,2,4-Trimethylbenzene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	3.2	2.5	0.65 J	0.51 J	1.9	0.51 J	3.9	4.1	3.5	2.3	1.9	1.5	1.2
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	0.59 J	0.5 J	0.51 J	< 1	< 1	0.67 J (UB)	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	11	< 10	5.3 J	< 10	3 J	< 10	< 10	< 10	< 10	3.9 J	< 10	< 10	< 10
2-Chlorotoluene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	13	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	18	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 10	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20
Benzene	1	1.5	1.4	1.8	1.5	1.6	1.3	1.2	1.2	0.94 J	0.74 J	0.77 J	0.68 J
Bromobenzene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 1	0.31 J	< 2	< 2	1.1 J (UB)	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	17	31	44	48	35	61	35	28	28	23	16	16	12
Chloroethane	5.8	5	4 J	3.5 J	3.6	8.7	0.65 J	0.42 J	0.65 J	< 5	< 5	3.3 J	2.7 J
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3
Date	11/12/19	5/19/20	11/11/20	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19
Cis-1,2-Dichloroethene	4.4	3.7	1.3	1	0.51 J	0.3 J	290	320	63	21	1	5.3	1.5
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	--	< 1	< 1	< 1	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	--	< 5	< 5	< 5	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5
Iodomethane	< 10	< 10	< 10	< 10	< 1	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylene	< 1	--	< 1	< 1	< 5	--	--	--	--	< 1	< 1	< 1	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	0.89 J	0.75 J	0.5 J	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 1	< 1	< 10	< 10	< 10	< 10
Naphthalene	< 5	--	< 5	3.6 J	1.4	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5
N-Butylbenzene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	0.52 J (UB)	< 1
N-Propylbenzene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
O-Xylene	< 1	--	< 1	< 1	< 5	--	--	--	--	< 1	< 1	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 0.5	0.63 J	0.33 J	< 1	< 1	< 1	< 1	< 1
Toluene	6.5	7.9	6.3	7	9.7	5.4	12	12	9.5	9	3.6	1.4	2.3
Trans-1,2-Dichloroethene	5.6	4	1.8	1.5	0.78 J	0.59 J	29	25	27	27	17	11 (B)	8.6
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 5	< 2	< 2	< 2	< 2	--	< 2	< 2	< 2
Trichloroethene	0.61 J	1.9	< 1	< 1	0.3 J	< 1	49	28	12	19	0.95 J	17	7.8
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	1	< 1	< 1	< 1	< 1	< 1	22	16	15	6.1	< 1	1.9	0.73 J
Xylenes (Total)	< 1	< 1	< 1	< 1	< 10	< 1	< 3	< 3	< 3	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	1.9	1.5	9.8	4.4	12	18	6.7	7.3	7.2	11	31	26	28
Ethene	13	4.3	9	4.2	6.3	10	6.4	7.1	54	88	33	23	22
Methane	19000	10000	21000	15000	30000	58000	170	3100	3600	9000	12000	16000	14000

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4
Date	5/19/20	11/11/20	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	100	38	12	2.3	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 5	< 1	40	19	5.3	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	1.7	0.92 J	0.42 J	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
1,2,3-Trichlorobenzene	--	< 5	< 5	0.47 J (UB)	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	--	< 5	< 5	< 1	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--
1,2,4-Trimethylbenzene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	1.8	1.5	1.3	1.5	1	4.5	10	20	9.7	5.3	0.69 J	1.5	1.7
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
1,3-Dichlorobenzene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	0.39 J	< 1	< 1	0.26 J	< 1	< 1	0.56 J (UB)	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
2-Butanone (MEK)	< 10	< 10	< 10	< 25	< 10	140	63	26	13	14	< 10	< 10	< 10
2-Chlorotoluene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
2-Hexanone	< 10	< 10	< 10	< 25	< 10	2.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 25	< 10	15	330	290	140	260	29	10	23
Acrylonitrile	< 20	< 20	< 20	< 10	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20
Benzene	0.84 J	0.72 J	1.7	1.7	0.92 J	0.76 J	0.7 J	0.84 J	0.78 J	0.63 J	0.45 J	0.44 J	< 1
Bromobenzene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 1	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 1	< 2	1.4	0.27 J	0.43 J	< 2	< 2	1.2 J (UB)	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	13	11	11	11	15	15	18	24	25	15	16	9.5	6.5
Chloroethane	< 5	< 5	< 5	2.1	10	0.54 J	0.52 J	2.8	5.7	7.3	< 5	2.5 J	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4
Date	5/19/20	11/11/20	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20
Cis-1,2-Dichloroethene	0.55 J	0.57 J	0.7 J	0.3 J	0.85 J	220	180	140	65	16	1.2	0.8 J	1.3
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	--	< 1	< 1	< 1	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	--	< 5	< 5	< 5	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--
Iodomethane	< 10	< 10	< 10	< 1	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
m,p-Xylene	--	< 1	< 1	< 5	--	--	--	--	< 1	< 1	0.43 J	< 1	--
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	1.8 J	1.1 J	< 2	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 10	< 1	< 5	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10
Naphthalene	--	< 5	< 5	< 1	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5	--
N-Butylbenzene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
N-Propylbenzene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
O-Xylene	--	< 1	< 1	< 5	--	--	--	--	< 1	< 1	< 1	< 1	--
P-Isopropyltoluene (Cymene)	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
Sec-Butylbenzene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 0.5	0.58 J	0.74 J	0.43 J	< 1	< 1	< 1	< 1	< 1
Toluene	7.6	5.9	3.9	0.98 J	0.27 J	7.5	9.2	12	16	18	7.3	8.2	8.1
Trans-1,2-Dichloroethene	2.9	1.4	1.2	2.6	2.8	18	12	14	13	5	3.3 (UB)	2.2	1.5
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 5	< 2	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2
Trichloroethene	< 1	0.5 J	< 1	0.72 J	2.5	100	70	28	10	1.9	1.5	< 1	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	0.67 J	< 1	< 1	< 1	< 1	22	13	12	5.9	2.4	0.58 J	< 1	1.4
Xylenes (Total)	< 1	< 1	< 1	< 10	< 1	< 3	< 3	< 3	< 1	< 1	0.43 J	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	47	41	51	28	22	5.7	3.6	0.94 J	1.2	1.4	3.5	1.4	2
Ethene	14	14	14	25	18	6.6	4	13	22	10	7.5	< 1	2.4
Methane	15000	14000	17000	11000	22000	240	11000	7300	19000	20000	20000	21000	18000

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5
Date	11/11/20	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	11/11/20
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	6.8	1.2	0.28 J	< 1	< 1	< 1	< 1	< 1	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
1,1,2-Trichloroethane	< 1	< 1	< 5	< 1	5.6	3.5	0.49 J	0.34 J	0.33 J	0.48 J	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	0.41 J	0.35 J	0.34 J	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
1,2,3-Trichlorobenzene	< 5	< 5	< 1	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	< 5
1,2,3-Trichloropropane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5	< 1	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	< 5
1,2,4-Trimethylbenzene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	0.68 J	1	< 1	1.4	2.9	3.2	1.8	2.2	0.61 J	0.9 J	< 1	0.68 J
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
2-Butanone (MEK)	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
2-Hexanone	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 25	< 10	< 10	7.4 J	16	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 10	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	0.98 J	0.66 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 1	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 1	< 2	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	7.6	5.5	6.4	2.2	3.1	3.2	3.5	1.8	1.7	1.5	1.1	1.2	0.64 J
Chloroethane	< 5	< 5	1.7	< 5	< 2	< 2	0.35 J	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5
Date	11/11/20	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	11/11/20
Cis-1,2-Dichloroethene	< 1	0.54 J	0.31 J	< 1	98	91	92	65	46	6.7	7.8	7.9	6.7
Cis-1,3-Dichloropropene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	< 1	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1	--	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	< 5	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	< 5
Iodomethane	< 10	< 10	< 1	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
m,p-Xylene	< 1	< 1	< 5	--	--	--	--	< 1	< 1	< 1	< 1	--	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	0.52 J	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 1	< 5	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 5	< 5	< 1	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5	--	< 5
N-Butylbenzene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
N-Propylbenzene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
O-Xylene	< 1	< 1	< 5	--	--	--	--	< 1	< 1	< 1	< 1	--	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
Sec-Butylbenzene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	0.95 J	1.6	0.73 J	< 1	13	15	7.8	0.92 J	2.7	0.82 J	3.4	5	4.7
Trans-1,2-Dichloroethene	1.2	0.61 J	< 1	< 1	5.1	4	4	3.2	2.6	1.9 (UB)	1.9	1.8	1.6
Trans-1,3-Dichloropropene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 5	< 2	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 1	< 1	0.23 J	0.75 J	12	2.6	6.2	9.9	8.7	22	8.8	14	7.2
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1	2.3	2	2.5	1.3	1.8	2.2	1.1	1.3	0.56 J
Xylenes (Total)	< 1	< 1	< 10	< 1	< 3	< 3	< 3	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	1.4	1.4	3.1	4.4	1.2 J	1.4 J	0.75 J	1.3	1.8	0.72 J	4	4	3.9
Ethene	< 1	< 1	4.4	6.1	2.5	3.6	2	6.7	9.5	5.4	13	6.1	7.1
Methane	17000	28000	25000	48000	160	4400	13000	23000	17000	9200	14000	9200	8000

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6
Date	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	11/11/20	5/11/21
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	8.3	3.4	2.1	0.75 J	< 1	< 1	< 1	< 1	21	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
1,1,2-Trichloroethane	< 1	< 5	< 1	1.7	1.1	0.9 J	0.68 J	0.69 J	0.47 J	0.47 J	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
1,2,3-Trichlorobenzene	< 5	< 1	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	< 5	< 5
1,2,3-Trichloropropane	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 1	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	< 5	< 5
1,2,4-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	0.33 J	0.33 J	0.7 J	0.48 J	< 1	0.54 J	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
2-Butanone (MEK)	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
2-Hexanone	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	21	< 10	< 10	< 10
Acrylonitrile	< 20	< 10	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	1.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 1	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2	< 1	< 2	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	0.8 J	< 1	1.2	0.87 J	0.88 J	0.65 J	0.8 J	0.71 J	0.66 J	0.27 J	< 1	< 1
Chloroethane	< 5	< 1 (UJ)	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6
Date	5/11/21	11/11/21	5/16/22	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	11/11/20	5/11/21
Cis-1,2-Dichloroethene	2.3	3	3.1	21	24	24	10	19	5.8	9.2	2.5	3.3	5.1
Cis-1,3-Dichloropropene	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1	--	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	< 5	< 5
Iodomethane	< 10	< 1	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
m,p-Xylene	< 1	< 5	--	--	--	--	< 1	< 1	< 1	< 1	--	< 1	< 1
Methylene Chloride	< 5	< 5	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 1	< 5	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 5	< 1	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5	--	< 5	< 5
N-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
N-Propylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
O-Xylene	< 1	< 5	--	--	--	--	< 1	< 1	< 1	< 1	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
Sec-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 0.5	0.38 J	0.26 J	0.26 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	0.97 J	0.77 J	< 1	1.6	3.4	2.5	< 1	1.3	< 1	2.2	< 1	0.53 J	0.8 J
Trans-1,2-Dichloroethene	1.3	1.4	1.2	3.4	2.4	2.4	2	2.1	1.3 (UB)	1.6	< 1	0.7 J	0.89 J
Trans-1,3-Dichloropropene	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 5	< 2 (UJ)	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	14	11	15	64	41	42	47	40	29	27	17	16	14
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	0.94 J	< 1	< 1	0.86	0.46 J	0.53 J	< 1	0.59 J	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 10	< 1	< 3	< 3	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	3.2	2.2	1.1	< 1.5	< 1.5	< 1.5	< 1.1	< 1.1	< 1.1	2.1	3.6 (J)	0.56 J	2.8
Ethene	5.9	7	5.1	< 1.5	< 1.5	< 1.5	0.8 J	1.5	0.73 J	3.2	3.7 (J)	2.3	1.9
Methane	8900	6000	4000	120	1500	3000	1200	6100	1100	7000	860 (J)	960	4000

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1
Date	11/11/21	5/16/22	8/14/17	11/8/17	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	110	6.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1
1,1,2-Trichloroethane	< 5	< 1	19	5.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	--	< 1	< 1	< 1	< 1	< 1	0.34 J B	< 1	--	--	< 1	< 1
1,2,3-Trichlorobenzene	< 1	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1
1,2,3-Trichloropropane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
1,2,4-Trichlorobenzene	< 1	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1
1,2,4-Trimethylbenzene	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.43 J (UB)	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	1.4	1.9	1.3	1.7	1.4	1.5	1.1	1.4	1.3	2.2	2.6
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	--	< 1	< 1	< 1	< 1	< 1	0.47 J (UB)	< 1	--	--	< 1	< 1
1,3-Dichlorobenzene	< 1	--	< 1	< 1	< 1	< 1	< 1	0.54 J (UB)	< 1	--	--	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	0.39 J	0.41 J	0.53 J	< 1	0.8 J	1.3 (UB)	0.64 J	0.52 J	0.46 J	0.5 J	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
2-Butanone (MEK)	< 25	< 10	< 10	4.1 J	4.2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
2-Chlorotoluene	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
2-Hexanone	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
4-Chlorotoluene	< 1	--	< 1	< 1	< 1	< 1	< 1	0.49 J (UB)	< 1	--	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
Acetone	< 25	< 10	< 10	5.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25
Acrylonitrile	< 10	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10
Benzene	< 1	< 1	0.65 J	0.69 J	0.87 J	0.89 J	0.96 J	1.1	0.67 J	0.61 J	0.66 J	0.73 J	0.52 J
Bromobenzene	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Bromomethane	< 1	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1
Carbon Disulfide	< 1	< 2	< 1	< 1	< 1	< 2	< 2	2.2 (UB)	< 2	< 2	< 2	< 2	< 1
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	0.43 J	< 1	17	19	23	40	61	68	61	58	69	80	39
Chloroethane	< 1 (UJ)	< 5	< 2	< 2	< 2	< 5	< 5	6	7.8	8.9	7.5	19	6
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1
Date	11/11/21	5/16/22	8/14/17	11/8/17	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21
Cis-1,2-Dichloroethene	2.3	0.66 J	31	3.3	< 1	< 1	< 1	0.46 J (UB)	< 1	< 1	< 1	< 1	0.35 J
Cis-1,3-Dichloropropene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Dichlorodifluoromethane	< 1	--	0.48 J	0.37 J	0.4 J	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	--	< 1	< 1	< 1	< 5	< 5	2.9 J (UB)	< 5	--	--	< 5	< 5
Iodomethane	< 1	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1
Isopropyl Benzene (Cumene)	< 1	--	< 1	< 1	< 1	< 1	< 1	0.44 J (UB)	< 1	--	--	< 1	< 1
m,p-Xylene	< 5	--	--	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5
Methylene Chloride	< 5	< 5	0.78 J	0.8 J	0.8 J	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 1	< 5	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1
Naphthalene	< 1	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5	--	--	< 5	< 1
N-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1	< 1	0.99 J (UB)	< 1	--	--	< 1	< 1
N-Propylbenzene	< 1	--	< 1	< 1	< 1	< 1	< 1	0.49 J (UB)	< 1	--	--	< 1	< 1
O-Xylene	< 5	--	--	--	--	< 1	< 1	0.3 J (UB)	< 1	--	--	< 1	< 5
P-Isopropyltoluene (Cymene)	< 1	--	< 1	< 1	< 1	< 1	< 1	0.54 J (UB)	< 1	--	--	< 1	< 1
Sec-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1	< 1	0.61 J (UB)	< 1	--	--	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1	< 1	0.62 J (UB)	< 1	--	--	< 1	< 1
Tetrachloroethylene	< 1	< 0.5	0.57 J	0.23 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	1	< 1	3	2	0.31 J	< 1	< 1	1.1	2.7	1.9	4.5	4	9.3
Trans-1,2-Dichloroethene	0.61 J	< 1	67	71	1.4	0.52 J	< 1	1 B	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5
Trans-1,4-Dichloro-2-Butene	< 5	< 2 (UJ)	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5
Trichloroethene	11	3.9	4.8	1.3	0.24 J	< 1	< 1	2 (UB)	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25
Vinyl Chloride	< 1	< 1	16	1.6	0.31 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 10	< 1	< 3	< 3	< 3	< 1	< 1	0.3 J (UB)	< 1	< 1	< 1	< 1	< 10
Dissolved Gases (µg/L)													
Ethane	1.9	< 1.1	1.1 J	1.2 J	3.6	9.2	11	21	< 1.1	65	90	53	71
Ethene	2.3	0.31 J	89	99	200	330	300	280	2.4	86	75	60	15
Methane	2400	220	280	5600	5100	13000	9600	13000	190	13000	14000	13000	9700

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G73- PORT1	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2
Date	5/16/22	8/14/17	11/8/17	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21	5/16/22
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	92	50	9.2	2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	--
1,1,2-Trichloroethane	< 1	7.9	4.3	0.72 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	0.59 J	0.59 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
1,2,3-Trichlorobenzene	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
1,2,4-Trichlorobenzene	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--
1,2,4-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
1,2-Dibromo-3-Chloropropane	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	2.5	0.46 J	0.64 J	0.77 J	0.62 J	1.1	0.58 J	0.82 J	< 1	< 1	< 1	0.76 J	0.36 J
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
1,3-Dichlorobenzene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	0.59 J (UB)	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10
2-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 25	< 10
4-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 * *1	< 10	< 10	< 25	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	11	< 10	< 10	< 10	< 25	< 10
Acrylonitrile	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20
Benzene	0.41 J	< 1	0.34 J	0.41 J	< 1	0.45 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 *	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Bromomethane	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5 *1	< 5	< 5	< 1	< 5
Carbon Disulfide	< 2	< 1	< 1	< 1	< 2	< 2	1.6 J (UB)	< 2	< 2	< 2	< 2	< 1	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	56	3.7	9.4	14	7.8	19	8.1	18	4.7	18	5.8	12	7.7
Chloroethane	8.6	< 2	< 2	< 2	< 5	2.9 J	< 5	4.4 J	< 5	2.7 J	6.1	2.7	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G73- PORT1	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2
Date	5/16/22	8/14/17	11/8/17	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21	5/16/22
Cis-1,2-Dichloroethene	< 1	130	180	57	19	2	1.2 (UB)	1.3	0.78 J	1	0.81 J	0.68 J	1
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Dichlorodifluoromethane	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 5	--
Iodomethane	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10
Isopropyl Benzene (Cumene)	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
m,p-Xylene	--	--	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--
Methylene Chloride	< 5	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 5	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5
Naphthalene	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--
N-Butylbenzene	--	< 1	< 1	< 1	< 1	< 1	0.53 J (UB)	< 1	--	--	< 1	< 1	--
N-Propylbenzene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
O-Xylene	--	--	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--
P-Isopropyltoluene (Cymene)	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
Sec-Butylbenzene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--
Tetrachloroethylene	< 0.5	1.1	0.68 J	0.22 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5
Toluene	0.82 J	2.4	1	0.26 J	< 1	< 1	< 1	2.4	3.3	0.84 J	16	5.4	0.34 J
Trans-1,2-Dichloroethene	< 1	12	20	39	23	7.9	2.5 (UB)	6	1.9	4.4	2.4	2.7	1.3
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Trans-1,4-Dichloro-2-Butene	< 2 (UJ)	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)
Trichloroethene	< 1	98	52	25	15	2.9	3.5 (B)	3.7	1.6	3.8	< 1	1.4	1.2
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2
Vinyl Chloride	< 1	3.2	9.4	7	4.1	0.81 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 3	< 3	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1
Dissolved Gases (µg/L)													
Ethane	60	< 1.5	1 J	2.7	2.2	31	10	< 1.1	6.4	13	9.9	8.9	1.8
Ethene	11	< 1.5	7	28	12	2	< 1	< 1	1.1	3.9	12	4.2	< 1
Methane	9400	390	310	920	1600	6200	2800	< 0.58	1600	4600	8200	5000	280

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4
Date	8/14/17	11/8/17	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21	5/16/22	8/14/17	11/8/17	2/20/18
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	23	28	37	< 1	7.8	3.1	< 1	< 1	< 1	< 1	< 1	< 1	4.1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 5	< 1	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
1,1,2-Trichloroethane	3.1 J	2.8	3	< 1	1.2	0.96 J	< 1	< 1	< 1	< 1	< 5	< 1	1	< 1	< 1
1,1-Dichloroethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 5	< 1	< 1	< 1	< 1	0.45 J (UB)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5	< 1	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 1	< 1
1,2,3-Trichloropropane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 1	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	0.33 J	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 10	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2
1,2-Dibromoethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 5	0.28 J	0.27 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.51 J	0.31 J	< 1	< 1	< 1
1,2-Dichloropropane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
1,3-Dichlorobenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
1,3-Dichloropropane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
2-Butanone (MEK)	< 50	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	7.6 J	< 10	< 10
2-Chlorotoluene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
2-Hexanone	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	4.7 J	< 10	< 10
4-Chlorotoluene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10
Acetone	< 50	< 10	< 10	< 10	< 10	< 10	< 10	11	< 10	< 10	< 25	< 10	41	< 10	< 10
Acrylonitrile	< 50	< 10	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 10	< 10	< 10
Benzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
Bromochloromethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Bromomethane	< 10	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 2	< 2
Carbon Disulfide	< 5	< 1	< 1	< 2	< 2	1.3 J (UB)	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1
Carbon Tetrachloride	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 5	0.27 J	0.51 J	< 1	1.4	1.9	1.3	0.53 J	1.9	2.4	2.8	2.6	0.25 J	< 1	< 1
Chloroethane	< 10	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 2	< 2
Chloroform	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 10	< 2	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4
Date	8/14/17	11/8/17	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21	5/16/22	8/14/17	11/8/17	2/20/18
Cis-1,2-Dichloroethene	12	25	49	1.1 (J)	38	28 (B)	27	27	12	9.8	8.2	6	5.1	1.4	1.3
Cis-1,3-Dichloropropene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Dibromochloromethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 10	< 2	< 2	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 2	< 2	< 2
Ethylbenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 1	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 5	--	< 1	< 1	< 1
Iodomethane	< 10	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 2	< 2	< 2
Isopropyl Benzene (Cumene)	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
m,p-Xylene	--	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--	--	--	--
Methylene Chloride	< 10	< 2	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2
methyl-t-butyl-Ether	< 5	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 1	< 1
Naphthalene	< 10	< 2	< 2	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 2	< 2	< 2
N-Butylbenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
N-Propylbenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
O-Xylene	--	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--	--	--	--
P-Isopropyltoluene (Cymene)	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
Sec-Butylbenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
Styrene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1
Tetrachloroethylene	< 5	0.88 J	0.79 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1
Toluene	< 5	< 1	< 1	0.67 J	< 1	< 1	1.8	3.2	< 1	< 1	< 1	< 1	3.1	1.7	1
Trans-1,2-Dichloroethene	3.9 J	4.3	6.1	< 1	8.4	6.3 (UB)	7	5.8	5.8	5.1	5.3	3.5	1.1	0.32 J	0.28 J
Trans-1,3-Dichloropropene	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 10	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	< 2	< 2	< 2
Trichloroethene	100	130	150	7.7	89	61 (B)	33	13	39	30	14	18	7.5	9.8	9.7
Trichlorofluoromethane	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 10	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2	< 2	< 2	< 2
Vinyl Chloride	< 4	< 0.8	0.85	< 1	2.4	2.8	5.6	3.2	2.4	1.7	1.6	< 1	< 0.8	< 0.8	< 0.8
Xylenes (Total)	< 15	< 3	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	1 J	< 3	< 3
Dissolved Gases (µg/L)															
Ethane	< 1.5	< 1.5	< 1.5	0.57 J	0.84 J	2.3	< 1.1	2.5	3.2	3.2	3.6	4.2	2.7	1.7	1.5 J
Ethene	2.9	2	2.1	3.6	3	4.4	0.9 J	10	4.2	12	4.9	4.2	2.9	2	1.8
Methane	440	310	420	1300	1900	10000	430	8600	6100	4800	5300	6800	590	400	470

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5
Date	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21	5/16/22	8/14/17	11/8/17	2/20/18	5/16/18	11/13/18	5/1/19	
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 1	< 1	< 1	< 5	< 5	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 1	< 1	< 1	< 5	< 5	< 5
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 2	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1 *	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	9.2 J	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 10	< 10	< 10	< 10	--	< 20	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 2	< 2	< 2	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 1	< 1	< 1	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	0.31 J	0.31 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.69 J	< 1
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1 (UJ)	< 5	< 2	< 2	< 2	< 2	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 2	< 2	< 2	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5
Date	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21	5/16/22	8/14/17	11/8/17	2/20/18	5/16/18	11/13/18	5/1/19
Cis-1,2-Dichloroethene	1.1	0.98 J	1.1	1.6	1.9	0.85 J	1.1	0.84 J	0.95 J	< 1	< 1	< 1	< 1	0.77 J	< 1
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 2	< 2	< 2	< 1	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	< 5	< 5	--	--	< 5	< 5	--	< 1	< 1	< 1	< 5	< 5	< 5
Iodomethane	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 2	< 2	< 2	--	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylene	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--	--	--	--	< 1	< 1	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 2	< 2	< 5 (UJ)	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 1	< 1	< 10 (UJ)	< 10	< 10
Naphthalene	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 2	< 2	< 2	< 5	< 5	< 5
N-Butylbenzene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1
N-Propylbenzene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1
O-Xylene	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--	--	--	--	< 1	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	0.73 J	0.58 J	< 1	0.71 J	0.59 J	< 1	< 1	< 1	0.32 J	0.41 J	0.26 J	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1	< 1	0.38 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	< 2	< 2	< 2	--	< 2	< 2
Trichloroethene	6.6	5.3	6.2	3.5	1.6	4.7	2.8	5.3	6.1	< 1	< 1	< 1	< 1	0.53 J	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.8	< 0.8	< 0.8	< 1	< 1	< 1
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 3	< 3	< 3	< 1	< 1	< 1
Dissolved Gases (µg/L)															
Ethane	1.4	1 J	1.8	< 1.1	0.81 J	< 1.1	< 1.1	< 1.1	< 1.1	< 1.5	< 1.5	< 1.5	< 1.1	< 1.1	0.59 J
Ethene	1.9	2.8	12	< 1	5.2	1	3.2	1.4	1.1	< 1.5	< 1.5	< 1.5	< 1	3.5	0.71 J
Methane	660	2300	3300	< 390	4300	640	2200	1300	1100	520	340	160	350	740	220

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1
Date	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21	5/16/22	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	3.4	4	3.3	3	2.8	4.2	1.9
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	--	< 1	< 1	--	--	< 1	< 1	< 1	--	< 1	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.42 J	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
1,2,3-Trichlorobenzene	< 5	--	--	< 5	< 1	--	< 5	< 5	< 5	< 5	--	< 5	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	--	--	< 5	< 1	--	< 5	< 5	< 5	< 5	--	< 5	< 5
1,2,4-Trimethylbenzene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.84 J
1,2-Dichloropropane	< 1	< 1 *	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 *	< 1	< 1
1,3,5-Trimethylbenzene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
1,3-Dichlorobenzene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	45	< 10	26
Acrylonitrile	< 20	< 20	< 20	< 20	< 10	< 20	--	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	1.2 J	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 5	< 5	< 5	< 5	< 1 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1
Date	11/11/19	5/18/20	11/10/20	5/10/21	11/12/21	5/16/22	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21
Cis-1,2-Dichloroethene	0.44 J	0.9 J	< 1	< 1	< 1	< 1	1.7	1.9	1.8	2.1	3.5	2.3	4
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	--	--	< 5	< 5	--	< 5	< 5	< 5	< 5	--	< 5	< 5
Iodomethane	< 10	< 10	< 10	< 10	< 1	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
m,p-Xylene	< 1	--	--	< 1	< 5	--	< 1	< 1	< 1	< 1	--	< 1	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 10	< 10	< 1	< 5	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 5	--	--	< 5	< 1	--	< 5	< 5	< 5	< 5	--	< 5	< 5
N-Butylbenzene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
N-Propylbenzene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
O-Xylene	< 1	--	--	< 1	< 5	--	< 1	< 1	< 1	< 1	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
Sec-Butylbenzene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	0.64 J	0.85 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.52 J	9.8	0.69 J	15
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	0.48 J (J)	0.56 J (B)	0.48 J	0.63 J	0.4 J	0.49 J	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	--	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	2.4	2.5	2.6	2.7	1.3	3.1	1.4
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	< 1.1	--	--	--	--	--	--	--
Ethene	< 1	4.2	0.51 J	2.4	< 1	< 1	--	--	--	--	--	--	--
Methane	< 0.58	4000	560	1800	260	83	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT3	OLF-G74- PORT3
Date	11/10/21	5/16/22	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21	11/10/21	5/16/22	5/16/18	11/12/18
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	3.2	5.5	160	89	39	19	7	28	19	15	16	1.6	2.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	--	< 1
1,1,2-Trichloroethane	< 5	< 1	7.8	9	2.3	1	< 1	1.2	1	0.87 J	0.81 J	0.67 J	1
1,1-Dichloroethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1
1,1-Dichloroethene	< 1	< 1	< 5	0.46 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
1,2,3-Trichlorobenzene	< 1	--	< 25	< 5	< 5	< 5	--	< 5	< 5	< 1	--	< 5	< 5
1,2,3-Trichloropropane	< 5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	--	< 25	< 5	< 5	< 5	--	< 5	< 5	< 1	--	< 5	< 5
1,2,4-Trimethylbenzene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1
1,2-Dichlorobenzene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 5	0.5 J	0.53 J	< 1	< 1	0.61 J	< 1	< 1	0.62 J	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 5	< 1	< 1	< 1	< 1 *	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
1,3-Dichlorobenzene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1
1,4-Dichlorobenzene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
2-Butanone (MEK)	< 25	< 10	< 50	7.5 J	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
2-Chlorotoluene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
2-Hexanone	< 25	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
4-Chlorotoluene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 25	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10
Acetone	13 J	< 10	< 50	< 10	< 10	< 10	69	7.5 J	7.8 J	< 25	< 10	< 10	< 10
Acrylonitrile	< 10	< 20	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	--	< 20
Benzene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
Bromochloromethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Bromomethane	< 1	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5
Carbon Disulfide	< 1	< 2	< 10	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 5	2.7	4.3	4	2.7	6.1	6.6	4.5	11	< 1	< 1
Chloroethane	< 1	< 5	< 25	< 5	2.8 J	4 J	3.3 J	4 J	5.5	2.1	5.8	< 5	< 5
Chloroform	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT3	OLF-G74- PORT3
Date	11/10/21	5/16/22	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21	11/10/21	5/16/22	5/16/18	11/12/18
Cis-1,2-Dichloroethene	2.5	1.9	140	140	100	91	90	54	40	30	34	4.8	13
Cis-1,3-Dichloropropene	< 5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
Ethylbenzene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	--	< 25	< 5	< 5	< 5	--	< 5	< 5	< 5	--	< 5	< 5
Iodomethane	< 1	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	--	< 10
Isopropyl Benzene (Cumene)	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
m,p-Xylene	< 5	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 5	--	< 1	< 1
Methylene Chloride	< 5	< 5	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5
methyl-t-butyl-Ether	< 1	< 5	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 10 (UJ)	< 10
Naphthalene	< 1	--	< 25	< 5	< 5	< 5	--	< 5	< 5	< 1	--	< 5	< 5
N-Butylbenzene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
N-Propylbenzene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
O-Xylene	< 5	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 5	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
Sec-Butylbenzene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
Styrene	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	--	< 5	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1
Tetrachloroethylene	< 1	< 0.5	< 5	0.82 J	< 1	< 1	< 1	< 1	< 1	< 1	0.57	< 1	< 1
Toluene	5.3	< 1	< 5	< 1	< 1	1.4	10	4.7	6.9	5.6	0.51 J	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1	36	57 (B)	47	49	39	32	29	21	27	1.7	3.4 (B)
Trans-1,3-Dichloropropene	< 5	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 5	< 2 (UJ)	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2	--	< 2
Trichloroethene	1.8	2.8	100	76	76	53	23	58	49	35	75	74	98
Trichlorofluoromethane	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 25	< 2	< 10	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2
Vinyl Chloride	< 1	< 1	16	25	14	11	6.6	4.7	4.9	3.4	4.1	< 1	< 1
Xylenes (Total)	< 10	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4
Date	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21	11/10/21	5/16/22	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1	--	< 1
1,1,2-Trichloroethane	< 1	0.59 J	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
1,2,3-Trichlorobenzene	< 5	< 5	--	< 5	< 5	< 1	--	< 5	< 5	< 5	< 5	< 5	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5	--	< 5	< 5	< 1	--	< 5	< 5	< 5	< 5	--	< 5
1,2,4-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
1,3-Dichlorobenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 25	< 10	9.7 J	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	< 10	< 20	--	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4
Date	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21	11/10/21	5/16/22	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20
Cis-1,2-Dichloroethene	3.7	7.7	3.7	3.5	4.7	5.3	0.97 J	0.83 J	1.5	1.2	1.2	1	1.6
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	--	< 5	< 5	< 5	--	< 5	< 5	< 5	< 5	--	< 5
Iodomethane	< 10	< 10	< 10	< 10	< 10	< 1	< 10	--	< 10	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
m,p-Xylene	< 1	< 1	--	< 1	< 1	< 5	--	< 1	< 1	< 1	< 1	--	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 5	< 5	--	< 5	< 5	< 1	--	< 5	< 5	< 5	< 5	--	< 5
N-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
N-Propylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
O-Xylene	< 1	< 1	--	< 1	< 1	< 5	--	< 1	< 1	< 1	< 1	--	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
Sec-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	0.77 J	< 1	< 1	< 1	0.96 J	< 1	< 1	< 1	< 1	0.8 J	< 1	0.77 J
Trans-1,2-Dichloroethene	0.69 J	1.7	0.52 J	0.48 J	0.7 J	0.51 J	< 1	< 1 (UJ)	0.46 J (B)	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	--	< 2	< 2	< 2	< 2	< 2
Trichloroethene	35	44	17	22	14	11	7.9	7.4	8.3	9.7	6	4.4	3.4
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G75-S1
Date	5/10/21	11/10/21	5/16/22	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21	11/10/21	5/16/22	5/30/18
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	--
1,1,2-Trichloroethane	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
1,2,3-Trichlorobenzene	< 5	< 1	--	< 5	< 5	< 5	< 5	--	< 5	< 5	< 1	--	< 5
1,2,3-Trichloropropane	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 1	--	< 5	< 5	< 5	< 5	--	< 5	< 5	< 1	--	< 5
1,2,4-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
1,3-Dichlorobenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
2-Butanone (MEK)	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10
2-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
2-Hexanone	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10
4-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10
Acetone	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10
Acrylonitrile	< 20	< 10	< 20	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	--
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1
Bromomethane	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5
Carbon Disulfide	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G75-S1
Date	5/10/21	11/10/21	5/16/22	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21	11/10/21	5/16/22	5/30/18
Cis-1,2-Dichloroethene	1.8	1.4	< 1	1.8	1.1	0.78 J	0.92 J	0.82 J	1	1.6	0.46 J	< 1	< 1
Cis-1,3-Dichloropropene	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	--	< 5	< 5	< 5	< 5	--	< 5	< 5	< 5	--	< 5
Iodomethane	< 10	< 1	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	--
Isopropyl Benzene (Cumene)	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
m,p-Xylene	< 1	< 5	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 5	--	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 1	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 10
Naphthalene	< 5	< 1	--	< 5	< 5	< 5	< 5	--	5.5	< 5	< 1	--	< 5
N-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
N-Propylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
O-Xylene	< 1	< 5	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 5	--	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
Sec-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	< 1	< 1	< 1	--	< 1
Tetrachloroethylene	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1
Toluene	< 1	0.71 J	< 1	< 1	< 1	< 1	< 1	0.48 J	< 1	< 1	1	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 5	< 2 (UJ)	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	--
Trichloroethene	3	1.8	1.5	2.6	3.2	2.4	1.6	1.2	1.6	1.4	< 1	0.62 J	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G75-S1	OLF-G75-S1	OLF-G75-S1	OLF-G75-S1	OLF-G75-S1	OLF-G75-S2	OLF-G75-S2	OLF-G75-S2	OLF-G75-S2	OLF-G75-S2	OLF-G75-S2	OLF-G75-S3	OLF-G75-S3
Date	11/26/18	5/13/19	11/13/19	5/18/20	11/11/20	5/31/18	11/26/18	5/13/19	11/13/19	5/18/20	11/11/20	11/26/18	5/13/19
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	< 1	--	--	--	< 1	< 1	< 1	--	--	< 1	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,2,3-Trichlorobenzene	< 5	< 5	< 5	--	--	< 5	< 5	< 5	< 5	--	--	< 5	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5	< 5	--	--	< 5	< 5	< 5	< 5	--	--	< 5	< 5
1,2,4-Trimethylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	< 1	--	--	< 1 (UJ)	< 1	< 1	< 1	--	--	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	--	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G75-S1	OLF-G75-S1	OLF-G75-S1	OLF-G75-S1	OLF-G75-S1	OLF-G75-S2	OLF-G75-S2	OLF-G75-S2	OLF-G75-S2	OLF-G75-S2	OLF-G75-S2	OLF-G75-S3	OLF-G75-S3
Date	11/26/18	5/13/19	11/13/19	5/18/20	11/11/20	5/31/18	11/26/18	5/13/19	11/13/19	5/18/20	11/11/20	11/26/18	5/13/19
Cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1	0.48 J	< 1	< 1	< 1	< 1	< 1	0.46 J	< 1	< 1
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	< 5	--	--	< 5	< 5	< 5	< 5	--	--	< 5	< 5
Iodomethane	< 10	< 10	< 10	< 10	< 10 (UJ)	--	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
m,p-Xylene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 5	< 5	< 5	--	--	< 5	< 5	< 5	< 5	--	--	< 5	< 5
N-Butylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
N-Propylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
O-Xylene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Sec-Butylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	0.81 J	< 1	0.79 J	< 1	< 1	3.4	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S4	OLF-G75-S4	OLF-G75-S4	OLF-G75-S4	OLF-G75-S4	OLF-G75-S4	OLF-G75-S5
Date	11/13/19	5/18/20	11/10/20	5/11/21	11/19/21	5/20/22	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	11/10/20	5/30/18
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	16	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	--	< 1	--	--	--	< 1	< 1 (UJ)	< 1	--	--	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
1,2,3-Trichlorobenzene	< 5	--	--	< 5	--	--	< 5	< 5	< 5 (UJ)	< 5	--	--	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	--	--	< 5	--	--	< 5	< 5	< 5 (UJ)	< 5	--	--	< 5
1,2,4-Trimethylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
1,3-Dichlorobenzene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	< 20	--	< 20	< 20 (UJ)	< 20	< 20	< 20	--
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Bromobenzene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	0.46 J	< 1	< 1	< 1
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S4	OLF-G75-S4	OLF-G75-S4	OLF-G75-S4	OLF-G75-S4	OLF-G75-S4	OLF-G75-S5
Date	11/13/19	5/18/20	11/10/20	5/11/21	11/19/21	5/20/22	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	11/10/20	5/30/18
Cis-1,2-Dichloroethene	0.54 J	< 1	5.7	< 1	0.34 J	< 1	< 1	< 1	< 1 (UJ)	0.8 J	< 1	4.3	< 1
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	--	--	< 5	--	--	< 5	< 5	< 5 (UJ)	< 5	--	--	< 5
Iodomethane	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10 (UJ)	< 10	< 10	< 10	--
Isopropyl Benzene (Cumene)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
m,p-Xylene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10	< 10	< 10	< 5	< 5	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
Naphthalene	< 5	--	--	< 5	--	--	< 5	< 5	< 5 (UJ)	< 5	--	--	< 5
N-Butylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
N-Propylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
O-Xylene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
P-Isopropyltoluene (Cymene)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
Sec-Butylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1	0.42 J	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 2	< 2	--	< 2	< 2 (UJ)	< 2	< 2	< 2	--
Trichloroethene	4	< 1	8	< 1	0.86 J	< 1	< 1	< 1	< 1 (UJ)	6.3	< 1	0.53 J	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6
Date	11/27/18	5/14/19	11/12/19	5/18/20	11/10/20	5/11/21	11/19/21	5/20/22	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	--	< 1	< 1 (UJ)	< 1	--
1,1,2-Trichloroethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,1-Dichloroethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,1-Dichloroethene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,1-Dichloropropene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
1,2,3-Trichlorobenzene	< 5	< 5 (UJ)	< 5	--	--	< 5	--	--	< 5	< 5	< 5 (UJ)	< 5	--
1,2,3-Trichloropropane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5 (UJ)	< 5	--	--	< 5	--	--	< 5	< 5	< 5 (UJ)	< 5	--
1,2,4-Trimethylbenzene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
1,2-Dibromo-3-Chloropropane	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5
1,2-Dibromoethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,2-Dichloroethane	< 1	< 1 * (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,2-Dichloropropane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
1,3-Dichlorobenzene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
1,3-Dichloropropane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
2-Butanone (MEK)	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10
2-Chlorotoluene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
2-Hexanone	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10 (UJ)	< 10	< 10
4-Chlorotoluene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10
Acetone	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10
Acrylonitrile	< 20	< 20 (UJ)	< 20	< 20	< 20	< 20	< 20	< 20	--	< 20	< 20 (UJ)	< 20	< 20
Benzene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Bromobenzene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
Bromochloromethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Bromodichloromethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Bromoform	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Bromomethane	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5
Carbon Disulfide	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2
Carbon Tetrachloride	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Chlorobenzene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Chloroethane	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5
Chloroform	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Chloromethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6
Date	11/27/18	5/14/19	11/12/19	5/18/20	11/10/20	5/11/21	11/19/21	5/20/22	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20
Cis-1,2-Dichloroethene	< 1	< 1 (UJ)	1.1	< 1	3.8	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Cis-1,3-Dichloropropene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Dibromochloromethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Dibromomethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Dichlorodifluoromethane	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
Ethylbenzene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Hexachlorobutadiene	< 5	< 5 (UJ)	< 5	--	--	< 5	--	--	< 5	< 5	< 5 (UJ)	< 5	--
Iodomethane	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10 (UJ)	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
m,p-Xylene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
Methylene Chloride	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5 (UJ)	< 5	< 5
methyl-t-butyl-Ether	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 5	< 5	< 10	< 10	< 10 (UJ)	< 10	< 10
Naphthalene	< 5	< 5 (UJ)	< 5	--	--	< 5	--	--	< 5	< 5	< 5 (UJ)	< 5	--
N-Butylbenzene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1 *	< 1	< 1 (UJ)	< 1	--
N-Propylbenzene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
O-Xylene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
P-Isopropyltoluene (Cymene)	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1 *	< 1	< 1 (UJ)	< 1	--
Sec-Butylbenzene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
Styrene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Tert-Butylbenzene	< 1	< 1 (UJ)	< 1	--	--	< 1	--	--	< 1	< 1	< 1 (UJ)	< 1	--
Tetrachloroethylene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1 (UJ)	< 1	< 1
Toluene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	--	< 2	< 2 (UJ)	< 2	< 2
Trichloroethene	< 1	< 1 (UJ)	8.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Trichlorofluoromethane	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Vinyl Acetate	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2 (UJ)	< 2	< 2
Vinyl Chloride	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Xylenes (Total)	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G75-S6	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77
Date	11/10/20	8/14/17	11/13/17	2/15/18	5/17/18	11/13/18	5/6/19	11/20/19	5/28/20	11/10/20	5/12/21	11/20/21	5/20/22
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	0.24 J	0.22 J	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
1,1,2,2-Tetrachloroethane	< 1	1700	1200	1400	1200	1000	1200	1100	980	820	1100	690	980
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	< 1	--	< 10	< 1	--	--	--	< 1	--	--
1,1,2-Trichloroethane	< 1	29	28	33	26	27	32	25	28	25	21	11 J	12
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	0.67 J	< 1	< 20	< 1
1,1-Dichloroethene	< 1	0.66 J	0.75 J	0.69 J	0.75 J	< 10	0.79 J	< 10	0.56 J	0.5 J	< 1	< 20	< 1
1,1-Dichloropropene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
1,2,3-Trichlorobenzene	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 5	--	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
1,2,4-Trichlorobenzene	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 5	--	--
1,2,4-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
1,2-Dibromo-3-Chloropropane	< 5	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5	< 5	< 5	< 100	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
1,2-Dichloroethane	< 1	< 1	0.44 J	0.41 J	0.59 J	< 10	0.7 J	< 10	0.68 J	0.6 J	< 1	< 20	0.44 J
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
1,3,5-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
1,3-Dichlorobenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
1,4-Dichlorobenzene	< 1	0.48 J	0.45 J	0.29 J	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 10	< 200	< 10
2-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 10	< 200	< 10 (UJ)
4-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 10	< 200	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 10	< 200	< 10
Acrylonitrile	< 20	< 10	< 10	< 10	--	< 200	< 20	< 200	< 20	< 20	< 20	< 400	< 20
Benzene	< 1	0.43 J	0.38 J	0.23 J	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Bromobenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Bromomethane	< 5	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5	< 5	< 5	< 100	< 5
Carbon Disulfide	< 2	< 1	< 1	< 1	< 2	< 20	< 2	< 20	< 2	< 2	< 2	< 40	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Chlorobenzene	< 1	39	30	18	16	9.4 J	21	14	18	14	10	11 J	21
Chloroethane	< 5	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5	5.1	< 5	< 100	< 5
Chloroform	< 1	0.47 J	0.43 J	0.34 J	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Chloromethane	< 1	< 2	< 2	< 2	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G75-S6	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77
Date	11/10/20	8/14/17	11/13/17	2/15/18	5/17/18	11/13/18	5/6/19	11/20/19	5/28/20	11/10/20	5/12/21	11/20/21	5/20/22
Cis-1,2-Dichloroethene	< 1	170	250	290	280	230	350	290	190	190	180	130	150
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Dichlorodifluoromethane	--	0.46 J	0.32 J	< 2	< 1	< 10	< 1	--	--	--	< 1	--	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Hexachlorobutadiene	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 5	--	--
Iodomethane	< 10	< 2	< 2	< 2	--	< 100	< 10	< 100	< 10	< 10	< 10	< 200	< 10
Isopropyl Benzene (Cumene)	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
m,p-Xylene	--	--	--	--	< 1	< 10	< 1	--	--	--	< 1	--	--
Methylene Chloride	< 5	0.57 J	0.58 J	< 2	< 5	< 50	< 5	< 50	< 5	< 5	< 5	< 100	< 5
methyl-t-butyl-Ether	< 10	< 1	< 1	< 1	0.3 J (UB)	< 100	< 10	< 100	< 10	< 10	< 10	< 100	< 5
Naphthalene	--	< 2	< 2	< 2	< 5	< 50	< 5	--	--	--	< 5	--	--
N-Butylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
N-Propylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
O-Xylene	--	--	--	--	< 1	< 10	< 1	--	--	--	< 1	--	--
P-Isopropyltoluene (Cymene)	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
Sec-Butylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Tert-Butylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	--
Tetrachloroethylene	< 1	13	9.7	7.1	7	< 10	6.7	7.5 J	5.3	6.4	7.6	< 10	4.5
Toluene	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Trans-1,2-Dichloroethene	< 1	64	48	52	53	100	110	140	140	180	160	110	140
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	--	< 20	< 2	< 20	< 2	< 2	< 2	< 40	< 2
Trichloroethene	< 1	1400	1100	870	790	620	670	640	380	440	540	400	510
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 20	< 2	< 20	< 2	< 2	< 2	< 40	< 2 (UJ)
Vinyl Chloride	< 1	3.8	2.2	3.2	5.6	< 10	9.4	8.7 J	15	16	8.4	< 20	13
Xylenes (Total)	< 1	< 3	< 3	< 3	< 1	< 10	< 1	< 10	< 1	< 1	< 1	< 20	< 1
Dissolved Gases (µg/L)													
Ethane	--	0.81 J	0.76 J	< 1.5	0.6 J	< 1.1	1.2	3.2	2.2	4.4	3.7	6.3	5.2
Ethene	--	< 1.5	< 1.5	< 1.5	< 1	< 1	< 1	29	13	37	5.6	24	10
Methane	--	75	48	41	72	62	260	760	770	1000	900	1400	1200

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	PPMP-229- GP12	PPMP-229- GP12	PPMP-229- GP12
Date	11/13/17	5/16/18	11/12/18	5/6/19	11/20/19	5/28/20	11/10/20	5/12/21	11/20/21	5/20/22	11/9/17	5/17/18	11/14/18
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	9.9	18	8	9.8	5	14	5.4	12	5.9	12	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 1	< 1	--	--	--	< 1	--	--	< 1	--	< 1
1,1,2-Trichloroethane	1.3	0.58 J	0.39 J	< 1	< 1	< 1	< 1	0.5 J	< 1	0.33 J	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	0.28 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10	--	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 5 *	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5
Carbon Disulfide	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12
Date	11/13/17	5/16/18	11/12/18	5/6/19	11/20/19	5/28/20	11/10/20	5/12/21	11/20/21	5/20/22	11/9/17	5/17/18	11/14/18
Cis-1,2-Dichloroethene	6.3	4.2	3.2	2	1.9	2.4	1.4	2.9	1.9	2.8	< 1	< 1	< 1
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 2	< 1	< 1	< 1	--	--	--	< 1	--	--	< 2	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5
Iodomethane	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2	--	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
m,p-Xylene	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--	< 1	< 1
Methylene Chloride	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5
methyl-t-butyl-Ether	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 1	< 10	< 10
Naphthalene	< 2	< 5	< 5	< 5	--	--	--	< 5	--	--	< 2	< 5	< 5
N-Butylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
N-Propylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
O-Xylene	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
Sec-Butylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	2.2	1.6	1.1	0.63 J	0.9 J	1.1	0.42 J	0.99 J	0.73 J	0.85 J	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	--	< 2
Trichloroethene	12	22	7	11	3.3	16	6.3	14	7.4	14	< 1	< 1	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2
Vinyl Chloride	0.2 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.8	< 1	< 1
Xylenes (Total)	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 3	< 1	< 1
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12
Date	5/14/19	11/13/19	5/20/20	11/11/20	5/7/21	11/19/21	5/19/22
Volatile Organic Compounds (µg/L)							
1,1,1,2-Tetrachloroethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1 (UJ)	< 1	--	< 1	< 1	--	--
1,1,2-Trichloroethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
1,2,3-Trichlorobenzene	< 5 (UJ)	< 5	--	< 5	< 5	--	--
1,2,3-Trichloropropane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5 (UJ)	< 5	--	< 5	< 5	--	--
1,2,4-Trimethylbenzene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
1,2-Dibromo-3-Chloropropane	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
1,3-Dichlorobenzene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
1,3-Dichloropropane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dioxane (P-Dioxane)	--	--	--	--	--	--	--
2,2-Dichloropropane	< 1 (UJ)	< 1	--	< 1	< 1	--	--
2-Butanone (MEK)	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
2-Hexanone	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
4-Methyl-2-Pentanone (MIBK)	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20 (UJ)	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
Bromochloromethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12
Date	5/14/19	11/13/19	5/20/20	11/11/20	5/7/21	11/19/21	5/19/22
Cis-1,2-Dichloroethene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,3-Dichloropropene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1 (UJ)	< 1	--	< 1	< 1	--	--
Ethylbenzene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5 (UJ)	< 5	--	< 5	< 5	--	--
Iodomethane	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1 (UJ)	< 1	--	< 1	< 1	--	--
m,p-Xylene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
Methylene Chloride	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5
methyl-t-butyl-Ether	< 10 (UJ)	< 10	< 10	< 10	< 10	< 5	< 5
Naphthalene	< 5 (UJ)	< 5	--	< 5	< 5	--	--
N-Butylbenzene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
N-Propylbenzene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
O-Xylene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
P-Isopropyltoluene (Cymene)	< 1 (UJ)	< 1	--	< 1	< 1	--	--
Sec-Butylbenzene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
Styrene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1 (UJ)	< 1	--	< 1	< 1	--	--
Tetrachloroethylene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 0.5	< 0.5
Toluene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)
Vinyl Chloride	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)							
Ethane	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--

Notes:
TOC - Total organic carbon
Lab Flag
J = Result is estimated; detected between the method detection limit and the reporting limit.
Validation Flag (in parenthesis)
B = Analyte detected in an associated blank.
J = Result is estimated based on data validation.
UB = Analyte considered not detected based on concentration in associated blank.
UJ = Reporting limit estimated based on QC acceptance criteria outliers.

Table D.2
Off-Site Groundwater Analytical Results for
Year 1 - Year 5 Post Remediation

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18
Date	11/16/17	5/22/18	11/19/18	5/9/19	11/19/19	5/29/20	11/16/20	5/6/21	11/22/21	5/18/22	11/15/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/16/20	5/6/21	11/22/21	5/18/22	11/19/19
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	360	350	310	230	150	130	120	82	42	42	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 5	< 5	--	--	--	< 1	--	--	< 1	--	< 1	< 1	--	--	--	< 1	--	--	--
1,1,2-Trichloroethane	6.5	6	6.5	4.7 J	3.6	3	2.7	2.4	0.92 J	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
1,2,3-Trichlorobenzene	< 1	< 25	< 25	< 25	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	--
1,2,3-Trichloropropane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	< 25	< 25	< 25	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	--
1,2,4-Trimethylbenzene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
1,2-Dibromo-3-Chloropropane	< 2	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 25	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 5	8.6	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
1,3-Dichlorobenzene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
1,3-Dichloropropane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
2-Butanone (MEK)	< 10	< 50	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
2-Hexanone	< 10	< 50	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 50	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 50	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 50	< 10	8.8 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 10	--	< 100	< 100	< 20	< 20	< 20	< 20	< 20	< 100	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
Bromochloromethane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 2	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 25	< 2	< 5	< 5	< 5	< 5	< 5 *	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 1	< 10	< 10	< 10	< 2	< 2	< 2	< 2	< 2	< 10	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 2	< 25 (UJ)	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 25	< 2	< 5	< 5	< 5	< 5	< 5 *	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 2	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2-Dichloroethene	29	35	30	42	20	14	14	10	5.7	5.7	< 1	< 1	< 1	< 1	4.5	< 1	< 1	< 1	< 1	< 1	< 1

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G12	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G19
Date	11/16/17	5/22/18	11/19/18	5/9/19	11/19/19	5/29/20	11/16/20	5/6/21	11/22/21	5/18/22	11/15/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/16/20	5/6/21	11/22/21	5/18/22	11/19/19
Cis-1,3-Dichloropropene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 2	< 5	< 5	17	--	--	--	< 1	--	--	< 2	< 1	< 1	< 1	--	--	--	< 1	--	--	--
Ethylbenzene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	3.1 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 25	< 25	< 25	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	--
Iodomethane	< 2	--	< 50	< 50	< 10	< 10	< 10 (UJ)	< 10	< 10	< 50	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10
Isopropyl Benzene (Cumene)	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 10	< 10	--
m,p-Xylene	--	< 5	< 5	< 5	--	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--
Methylene Chloride	0.59 J	< 25	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 25	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MTBE	< 1	< 50	< 50	< 50	< 10	< 10	< 10	< 10	< 5	< 25	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 10
Naphthalene	< 2	< 25	< 25	< 25	--	--	--	< 5	--	--	< 2	< 5	< 5	< 5	--	--	--	< 5	--	--	--
N-Butylbenzene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
N-Propylbenzene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
O-Xylene	--	< 5	< 5	< 5	--	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--
P-Isopropyltoluene (Cymene)	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
Sec-Butylbenzene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
Styrene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 5	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--
Tetrachloroethylene	2.8	< 5	< 5	< 5	1.2	1.1	0.75 J	1.2	0.59	< 2.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1
Toluene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	2.7 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	12	13	11	7.5	9.3	6.6	5.5	3.7	1.6	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	--	< 10	< 10	< 2	< 2	< 2	< 2	< 2	< 10	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	230	240	200	170	110	99	83	67	45	41	0.59 J	< 1	< 1	52	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trichlorofluoro-methane	< 1	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 10	< 10	< 10	< 2	< 2	< 2	< 2	< 2	< 10 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 0.8	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 0.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 3	< 5	< 5	< 5	< 1	< 1	< 1	< 1	< 1	4.3 J	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)																					
Ethane	--	--	--	--	--	< 1.1	< 1.1	< 1.1	0.57 J	0.86 J	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	< 1	< 1	< 1	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	0.54 J	0.51 J	240	300	920	--	--	--	--	--	--	--	--	--	--	--

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G19	OLF-G19	OLF-G19	OLF-G19	OLF-G19	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22
Date	5/27/20	11/16/20	5/6/21	11/22/21	5/18/22	11/14/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/17/20	5/6/21	11/22/21	5/18/22	11/15/17	5/22/18	11/27/18	5/9/19	11/19/19	5/27/20
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	190	140	100	58	59	49
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 1	--	--	< 1	--	< 1	< 1	--	--	--	< 1	--	--	< 1	--	< 1	< 1	--	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	5.3	4.1 J	3	2.3	2.5	2
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.36 J	< 5	< 1	< 1	< 1	< 1
1,1-Dichloropropene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--
1,2,3-Trichlorobenzene	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 25	< 5	< 5	--	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 25	< 5	< 5	--	--
1,2,4-Trimethylbenzene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 25	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.34 J	< 5	0.52 J	< 1	0.59 J	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--
1,3-Dichlorobenzene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
2,2-Dichloropropane	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5 (UJ)	< 1	< 1	--	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10
4-Chlorotoluene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	5.1 J	< 10	< 10	< 50	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10	--	< 20	< 20	< 20	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Bromobenzene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 25	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 10	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.27 J	< 5	3.5	3.4	8.2	7.2
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 25 (UJ)	< 5	< 5	< 5	5.4
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 5	< 1	< 1	< 1	< 1
Cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	87	100	59	45	45	40

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G19	OLF-G19	OLF-G19	OLF-G19	OLF-G19	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22
Date	5/27/20	11/16/20	5/6/21	11/22/21	5/18/22	11/14/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/17/20	5/6/21	11/22/21	5/18/22	11/15/17	5/22/18	11/27/18	5/9/19	11/19/19	5/27/20	
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	
Dichlorodifluoromethane	--	--	< 1	--	--	< 2	< 1	< 1	< 1	--	--	--	< 1	--	--	< 2	< 5	< 1	< 1	--	--	
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	
Hexachlorobutadiene	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 25	< 5	< 5	--	--	
Iodomethane	< 10	< 10	< 10	--	--	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	--	< 2	--	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	--	< 1	< 10	< 10	< 1	< 1	< 1	< 1	--	--	--	< 1	< 10	< 10	< 1	< 5	< 1	< 1	--	--	
m,p-Xylene	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--	< 5	< 1	< 1	--	--	
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 25	< 5	< 5	< 5	< 5	
MTBE	< 10	< 10	< 10	< 5	< 5	< 1	0.3 J	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 1	< 50	< 10	< 10	< 10	< 10	
Naphthalene	--	--	< 5	--	--	< 2	< 5	< 5	< 5	--	--	--	< 5	--	--	< 2	< 25	< 5	< 5	--	--	
N-Butylbenzene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--	
N-Propylbenzene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--	
O-Xylene	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--	< 5	< 1	< 1	--	--	
P-Isopropyltoluene (Cymene)	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--	
Sec-Butylbenzene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--	
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	
Tert-Butylbenzene	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 5	< 1	< 1	--	--	
Tetrachloroethylene	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	1.3	< 5	1	0.96 J	0.82 J	< 1	
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	10	15	13	9.7	15	11	
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	
Trichloroethene	< 1	< 1	< 1	0.3 J	0.27 J	0.63 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	180	160	110	100	110	110	
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 10	< 2	< 2	< 2	
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 0.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.8	(UJ)	1.4	0.7 J	1.9	1.2	
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 3	< 5	< 1	< 1	< 1	< 1	
Dissolved Gases (µg/L)																						
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G24	OLF-G24	OLF-G24	OLF-G24	OLF-G24	OLF-G24
Date	11/17/20	5/6/21	11/22/21	5/18/22	11/14/17	5/21/18	11/15/18	5/8/19	11/18/19	5/28/20	11/17/20	5/7/21	11/21/21	5/17/22	11/14/17	5/21/18	11/15/18	5/8/19	11/18/19	5/26/20	
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	(UJS)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,2,2-Tetrachloroethane	30	17	15	10	260	200	230	150	100	96	63	65	33	35	0.29 J	< 1	< 1	< 1	< 1	< 1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	--	< 1	--	< 5	< 5	--	--	--	< 1	--	--	< 1	--	< 1	< 1	--	--	
1,1,2-Trichloroethane	1.5	1.4	1.2	0.81 J	6.5	5.5	7.7	5.5	3.8	3.1	2.7	2.7	1.4	1.2	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	(UJS)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloroethene	< 1	< 1	< 1	< 1	0.53 J	0.5 J	< 5	< 5	(UJS)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloropropene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
1,2,3-Trichlorobenzene	--	< 5	--	--	< 1	< 5	< 25	< 25	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2,4-Trichlorobenzene	--	< 5	--	--	< 1	< 5	< 25	< 25	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	
1,2,4-Trimethylbenzene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 2	< 5	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dichloroethane	0.56 J	< 1	0.74 J	0.67 J	0.33 J	< 1	< 5	< 5	(UJS)	< 1	< 1	0.77 J	0.49 J	0.67 J	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,3,5-Trimethylbenzene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
1,3-Dichlorobenzene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
2,2-Dichloropropane	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	(UJS)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
2-Chlorotoluene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	
4-Chlorotoluene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Acrylonitrile	< 20	< 20	< 20	< 20	< 10	--	< 100	< 100	(UJS)	< 20	< 20	< 20	< 20	< 20	< 10	--	< 20	< 20	< 20	< 20	
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	(JS)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromobenzene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	(UJS)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromomethane	< 5	< 5	< 5	< 5	< 2	< 5	< 25	< 25	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5 *	
Carbon Disulfide	< 2	< 2	< 2	< 2	< 1	< 2	< 10	< 10	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chlorobenzene	7.2	7.2	10	7.5	< 1	2.5	4.4 J	7.5	6.9	9.5	9.2	13	10	9.5	< 1	< 1	< 1	< 1	< 1	< 1	
Chloroethane	< 5	< 5	< 5	< 5	< 2	< 5	< 25	< 25	(UJS)	7.4	3.2 J	3.7 J	9.8 (J)	< 5	< 2	< 5	< 5	< 5	< 5	< 5	
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	(UJS)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chloromethane	< 1	< 1	< 1	< 1	< 2	< 1	< 5	< 5	(UJS)	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	
Cis-1,2-Dichloroethene	24	19	20	16	160	140	130	93	39	46	31	38	20	18	< 1	< 1	< 1	< 1	< 1	< 1	

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G24	OLF-G24	OLF-G24	OLF-G24	OLF-G24	OLF-G24
Date	11/17/20	5/6/21	11/22/21	5/18/22	11/14/17	5/21/18	11/15/18	5/8/19	11/18/19	5/28/20	11/17/20	5/7/21	11/21/21	5/17/22	11/14/17	5/21/18	11/15/18	5/8/19	11/18/19	5/26/20	
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Dichlorodifluoromethane	--	< 1	--	--	< 2	< 1	< 5	< 5	--	--	--	< 1	--	--	< 2	< 1	< 1	< 1	--	--	
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	1.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Hexachlorobutadiene	--	< 5	--	--	< 1	< 5	< 25	< 25	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	
Iodomethane	< 10	< 10	--	--	< 2	--	< 50	< 50	< 10	< 10	< 10	< 10	--	--	< 2	--	< 10	< 10	< 10	< 10	
Isopropyl Benzene (Cumene)	--	< 1	< 10	< 10	< 1	< 1	< 5	< 5	--	--	--	< 1	< 10	< 10	< 1	< 1	< 1	< 1	--	--	
m,p-Xylene	--	< 1	--	--	--	< 1	< 5	< 5	--	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	
Methylene Chloride	< 5	< 5	< 5	< 5	< 2	< 5	20 J	< 25	(UJS)	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	
MTBE	< 10	< 10	< 5	< 5	< 1	< 10	< 50	< 50	(UJS)	< 10	< 10	< 10	< 5	< 5	< 1	< 10	< 10	< 10	< 10	< 10	
Naphthalene	--	< 5	--	--	< 2	< 5	< 25	< 25	--	--	--	< 5	--	--	< 2	< 5	< 5	< 5	--	--	
N-Butylbenzene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
N-Propylbenzene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
O-Xylene	--	< 1	--	--	--	< 1	< 5	< 5	--	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	
P-Isopropyltoluene (Cymene)	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
Sec-Butylbenzene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Tert-Butylbenzene	--	< 1	--	--	< 1	< 1	< 5	< 5	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	
Tetrachloroethylene	< 1	< 1	< 0.5	< 0.5	1.4	1.3	< 5	< 5	(JS)	0.74 J	< 1	0.95 J	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	2.1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Trans-1,2-Dichloroethene	9.1	7.9	9	5.5	12	22	23	30	17	19	16	23	14	14	< 1	< 1	< 1	< 1	< 1	< 1	
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 2	--	< 10	< 10	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	--	< 2	< 2	< 2	< 2	
Trichloroethene	66	52	54	46	170	150	160	150	110	100	79	85	56	39	1.1	< 1	< 1	< 1	< 1	< 1	
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 5	(UJS)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 10	< 10	(UJS)	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	
Vinyl Chloride	0.98 J	< 1	1	0.66 J	0.51 J	2.8	3.2 J	< 5	(UJS)	2.5	2.3	3	1.8	2.1	< 0.8	< 1	< 1	< 1	< 1	< 1	
Xylenes (Total)	< 1	< 1	< 1	< 1	< 3	< 1	< 5	< 5	6.7	< 1	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	
Dissolved Gases (µg/L)																					
Ethane	--	--	--	--	--	--	--	--	--	3	2	2.8	3.1	3.2	--	--	--	--	--	--	
Ethene	--	--	--	--	--	--	--	--	--	0.79 J	< 1	< 1	< 1	< 1	--	--	--	--	--	--	
Methane	--	--	--	--	--	--	--	--	--	960	1200	1500	2000	1900	--	--	--	--	--	--	

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G24	OLF-G24	OLF-G24	OLF-G24	OLF-G26	OLF-G26	OLF-G26	OLF-G26	OLF-G26	OLF-G26	OLF-G29-T1	OLF-G37-T1	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31
Date	11/16/20	5/7/21	11/21/21	5/17/22	11/20/19	5/20/20	11/17/20	5/10/21	11/18/21	5/19/22	12/9/21	12/9/21	11/9/17	5/18/18	11/26/18	5/15/19	11/11/19	5/19/20	11/12/20	5/10/21
Volatile Organic Compounds (µg/L)																				
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1 *1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	--	< 1	< 1	< 1	--	--	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	< 1
1,2,3-Trichlorobenzene	--	< 5	--	--	--	--	--	< 5	< 1	--	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	--	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	--	< 5	--	--	--	--	--	< 5	< 1	--	< 5	< 5	< 1	< 5	< 5	< 5	< 5	--	--	< 5
1,2,4-Trimethylbenzene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 *	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1 *1 *	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1
1,3-Dichlorobenzene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1 *	--	--	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1
2-Hexanone	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 25	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10 (UJ)	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 20 (UJ)	< 20	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.41 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1 *1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1 *	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 2	< 5	< 5	< 5 *(UJ)	< 5	< 5 *	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.77 J	< 1
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	0.57 J (UB)	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	0.49 J	< 1	< 1

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G24	OLF-G24	OLF-G24	OLF-G24	OLF-G26	OLF-G26	OLF-G26	OLF-G26	OLF-G26	OLF-G26	OLF-G26	OLF-G29-T1	OLF-G37-T1	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	
Date	11/16/20	5/7/21	11/21/21	5/17/22	11/20/19	5/20/20	11/17/20	5/10/21	11/18/21	5/19/22	12/9/21	12/9/21	11/9/17	5/18/18	11/26/18	5/15/19	11/11/19	5/19/20	11/12/20	5/10/21		
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Dichlorodifluoromethane	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	--	--		
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Hexachlorobutadiene	--	< 5	--	--	--	--	--	< 5	< 5	--	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	--	--		
Iodomethane	< 10	< 10	--	--	< 10	< 10	< 10	< 10	< 1	--	< 10	< 10	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10		
Isopropyl Benzene (Cumene)	--	< 1	< 10	< 10	--	--	--	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--		
m,p-Xylene	--	< 1	--	--	--	--	--	< 1	< 5	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--		
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5		
MTBE	< 10	< 10	< 5	< 5	< 10	< 10	< 10	< 10	< 1	< 5	< 5	< 5	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10		
Naphthalene	--	< 5	--	--	--	--	--	< 5	< 1	--	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	--	--		
N-Butylbenzene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--		
N-Propylbenzene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--		
O-Xylene	--	< 1	--	--	--	--	--	< 1	< 5	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	--	--		
P-Isopropyltoluene (Cymene)	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--		
Sec-Butylbenzene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--		
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Tert-Butylbenzene	--	< 1	--	--	--	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	--	--		
Tetrachloroethylene	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.38 J	< 1	< 1		
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 5	< 2 (UJ)	< 2 (UJ)	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2		
Trichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.57 J	< 1	< 1	< 1	< 1	< 1		
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Vinyl Acetate	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2		
Vinyl Chloride	< 1	< 1	< 1	< 1	1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.8	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1		
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1		
Dissolved Gases (µg/L)																						
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G31	OLF-G31	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G33	OLF-G33	OLF-G33	OLF-G34	OLF-G34	OLF-G34	OLF-G35	OLF-G35
Date	11/18/21	5/18/22	11/9/17	5/18/18	11/26/18	5/14/19	11/11/19	5/19/20	11/12/20	5/10/21	11/18/21	5/18/22	11/14/17	5/21/18	11/20/18	11/14/17	5/30/18	11/19/18	11/15/17	5/21/18
Volatile Organic Compounds (µg/L)																				
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	3.4	3.8	4.5	0.45 J	< 1	< 1	0.43 J	1.8
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 1	--	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	< 1	--
1,1,2-Trichloroethane	< 5	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	0.79 J	0.69 J	0.56 J	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	0.26 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 1	--	< 1	< 5	< 5	< 5 (UJ)	< 5	--	--	< 5	< 1	--	< 1	< 5	< 5	< 1	< 5	< 5	< 1	< 5
1,2,3-Trichloropropane	< 5	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 1	--	< 1	< 5	< 5	< 5 (UJ)	< 5	--	--	< 5	< 1	--	< 1	< 5	< 5	< 1	< 5	< 5	< 1	< 5
1,2,4-Trimethylbenzene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 2	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 2	< 5	< 5	< 2	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	< 25	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2-Hexanone	< 25	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 25	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 25	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	16	< 10	< 10	< 10
Acrylonitrile	< 10	< 20	< 10	--	< 20	< 20 (UJ)	< 20	< 20	< 20	< 20	< 10	< 20	< 10	--	< 20	< 10	--	< 20	< 10	--
Benzene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 5	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 1	< 5	< 2	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 5 *	< 5	< 2	< 5	< 5	< 2	< 5 *
Carbon Disulfide	< 1	< 2	< 1	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	< 2	< 1	< 2	< 2	< 1	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 1	< 5	< 2	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 5	< 5	< 2	< 5	< 5	< 2	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 2	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 2	< 1	< 1	< 2	< 1
Cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	1.5	< 1	< 1	< 1	< 1	12	13	8.2	< 1	0.41 J	< 1	< 1	2.2

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G31	OLF-G31	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G33	OLF-G33	OLF-G33	OLF-G34	OLF-G34	OLF-G34	OLF-G35	OLF-G35
Date	11/18/21	5/18/22	11/9/17	5/18/18	11/26/18	5/14/19	11/11/19	5/19/20	11/12/20	5/10/21	11/18/21	5/18/22	11/14/17	5/21/18	11/20/18	11/14/17	5/30/18	11/19/18	11/15/17	5/21/18
Cis-1,3-Dichloropropene	< 5	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 5	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	--	< 2	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	0.38 J	< 1	< 1	< 2	< 1	< 1	< 2	< 1
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	--	< 1	< 5	< 5	< 5 (UJ)	< 5	--	--	< 5	< 5	--	< 1	< 5	< 5	< 1	< 5	< 5	< 1	< 5
Iodomethane	< 1	--	< 2	--	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 1	< 10	< 2	--	< 10	< 2	--	< 10	< 2	--
Isopropyl Benzene (Cumene)	< 1	< 10	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylene	< 5	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 5	--	--	< 1	< 1	--	< 1	< 1	--	< 1
Methylene Chloride	< 5	< 5	< 2	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 2	< 5	< 5	< 2	< 5
MTBE	< 1	< 5	< 1	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 10	< 10	< 1	< 10	< 10	< 1	< 10
Naphthalene	< 1	--	< 2	< 5	< 5	< 5 (UJ)	< 5	--	--	< 5	< 1	--	< 2	< 5	< 5	< 2	< 5	< 5	< 2	< 5
N-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-Propylbenzene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
O-Xylene	< 5	--	--	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 5	--	--	< 1	< 1	--	< 1	< 1	--	< 1
P-Isopropyltoluene (Cymene)	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1 (UJ)	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1	< 0.5	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 0.5	0.59 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	2.7	2.9	2.3	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 5	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 5	< 2	< 2	--	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 5	< 2	< 2	--	< 2	< 2	--	< 2	< 2	--
Trichloroethene	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	74	89	97	2.8	2.3	1.2	1.4	9.3
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 25	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	< 1	< 0.8	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1	< 0.8	< 1	< 1	< 0.8	< 1	< 1	< 0.8	< 1
Xylenes (Total)	< 10	< 1	< 3	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 10	< 1	< 3	< 1	< 1	< 3	< 1	< 1	< 3	< 1
Dissolved Gases (µg/L)																				
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G43	OLF-G43	OLF-G43
Date	11/15/18	5/8/19	11/19/19	5/26/20	11/17/20	5/6/21	11/21/21	5/17/22	11/15/17	5/30/18	11/19/18	5/9/19	11/19/19	5/27/20	11/17/20	5/7/21	11/22/21	5/18/22	11/19/19	5/20/20	11/16/20
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	1.9	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.33 J	< 1	< 1	1.4	1.2	< 1	< 1	< 1	< 1	< 1	3.1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	--	--	< 1	--	--	< 1	--	< 1	< 1	--	--	--	< 1	--	--	--	--	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
1,2,3-Trichlorobenzene	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	--	--	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	--	--	--
1,2,4-Trimethylbenzene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
1,3-Dichlorobenzene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	20	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 *1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5 *	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2-Dichloroethene	2.9	0.58 J	0.41 J	0.46 J	0.61 J	< 1	0.32 J	< 1	0.25 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G43	OLF-G43	OLF-G43
Date	11/15/18	5/8/19	11/19/19	5/26/20	11/17/20	5/6/21	11/21/21	5/17/22	11/15/17	5/30/18	11/19/18	5/9/19	11/19/19	5/27/20	11/17/20	5/7/21	11/22/21	5/18/22	11/19/19	5/20/20	11/16/20
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	--	--	--	< 1	--	--	< 2	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	--	--	--
Iodomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2	--	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
m,p-Xylene	< 1	< 1	--	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MTBE	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 10	< 10	< 10
Naphthalene	< 5	< 5	--	--	--	< 5	--	--	< 2	< 5	< 5	< 5	--	--	--	< 5	--	--	--	--	--
N-Butylbenzene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
N-Propylbenzene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
O-Xylene	< 1	< 1	--	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
Sec-Butylbenzene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	--	--	--
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	0.48 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 *1 *	< 1
Trans-1,2-Dichloroethene	0.45 J (B)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Trichloroethene	11	4.7	0.64 J	< 1	< 1	3.2	3.4	1.8	4	1.3	0.61 J	0.61 J	< 1	< 1	< 1	< 1	< 1	< 1	0.89 J	0.8 J	0.64 J
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)																					
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G43	OLF-G43	OLF-G43	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48
Date	5/7/21	11/15/21	5/19/22	11/14/17	5/22/18	11/28/18	5/9/19	11/18/19	5/26/20	11/16/20	5/6/21	11/20/21	5/17/22	11/14/17	5/22/18	11/15/18	5/8/19	11/18/19	5/26/20	11/16/20	
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	2	1.9	1.9	2.3	1.3	< 1	< 1	1.5	1.4	2.2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	--	--	< 1	--	--	< 1	--	< 1	< 1	--	--	--	
1,1,2-Trichloroethane	< 1	< 5	< 1	0.38 J	< 1	0.4 J	0.35 J	< 1	< 1	0.35 J	< 1	< 1	0.33 J	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloropropene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	
1,2,3-Trichlorobenzene	< 5	0.22 J (UB)	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	
1,2,3-Trichloropropane	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2,4-Trichlorobenzene	< 5	< 1	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--	
1,2,4-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,3,5-Trimethylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	
1,3-Dichlorobenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
2,2-Dichloropropane	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	
2-Butanone (MEK)	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
2-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	
2-Hexanone	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
4-Chlorotoluene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	
4-Methyl-2-Pentanone (MIBK)	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Acetone	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Acrylonitrile	< 20	< 10	< 20	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10	--	< 20	< 20	< 20	< 20	< 20	
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	0.55 J	< 1	< 1	
Bromobenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--	
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromoform	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Bromomethane	< 5	< 1	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	
Carbon Disulfide	< 2	< 1	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chloroethane	< 5	< 1	< 5	< 2	< 5 * (UJ)	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5 * (UJ)	< 5	< 5	< 5	< 5	< 5	
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	
Chloromethane	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1	< 1	< 1	< 1	
Cis-1,2-Dichloroethene	< 1	< 1	< 1	4.2	4.2	4.6	3.7	3.3	< 1	4.3	3.9	4.8	4.6	0.97 J	1.1	1.1	< 1	0.8 J	0.87 J	1.3	

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G43	OLF-G43	OLF-G43	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48
Date	5/7/21	11/15/21	5/19/22	11/14/17	5/22/18	11/28/18	5/9/19	11/18/19	5/26/20	11/16/20	5/6/21	11/20/21	5/17/22	11/14/17	5/22/18	11/15/18	5/8/19	11/18/19	5/26/20	11/16/20
Cis-1,3-Dichloropropene	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	--	< 2	< 1	< 1	< 1	--	--	--	< 1	--	--	< 2	< 1	< 1	< 1	--	--	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.5	< 1	< 1
Hexachlorobutadiene	< 5	< 5	--	< 1	< 5	< 5	< 5	--	--	--	< 5	--	--	< 1	< 5	< 5	< 5	--	--	--
Iodomethane	< 10	< 1	< 10	< 2	--	< 10	< 10 (UJ)	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 2	--	< 10	< 10	< 10	< 10	< 10 (UJ)
Isopropyl Benzene (Cumene)	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--
m,p-Xylene	< 1	< 5	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	--
Methylene Chloride	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5
MTBE	< 10	< 1	< 5	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 5	< 1	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 5	< 1	--	< 2	< 5	< 5	< 5	--	--	--	< 5	--	--	< 2	< 5	< 5	< 5	--	--	--
N-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--
N-Propylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--
O-Xylene	< 1	< 5	--	--	< 1	< 1	< 1	--	--	--	< 1	--	--	--	< 1	< 1	< 1	--	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--
Sec-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1	< 1	--	--	--
Tetrachloroethylene	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	0.75 J	< 1	< 1	< 1	1.2	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	2.5	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1	< 1	1.2	1.3	1.3	1.1	0.89 J	< 1	1.2	1	1.3	1.4	0.25 J	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 5	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	--	< 2	< 2	< 2	< 2	< 2
Trichloroethene	1.3	0.89 J	0.93 J	29	32	34	34	24	1.8	30	21	32	28	3.5	3.9	3.8	1.2	3.9	4.3	4.1
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 25	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1	< 1	< 1	< 0.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.8	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 10	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 3	< 1	< 1	< 1	8.4	< 1	< 1
Dissolved Gases (µg/L)																				
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G48	OLF-G48	OLF-G48	OLF-G49	OLF-G49	OLF-G49	OLF-G49	OLF-G49	OLF-G49	OLF-G50	OLF-G50	OLF-G50	OLF-G50	OLF-G50	OLF-G50	OLF-G51	OLF-G51	OLF-G51	OLF-G51	OLF-G51	OLF-G51
Date	5/6/21	11/20/21	5/17/22	11/13/19	5/20/20	11/17/20	5/12/21	11/17/21	5/19/22	11/13/19	5/20/20	11/17/20	5/12/21	11/17/21	5/19/22	11/13/19	5/20/20	11/17/20	5/12/21	11/17/21	5/19/22
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	13	18	19	21	27	23	2.5	0.89 J	2.1	< 1	1.1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	0.57 J	0.57 J	0.7 J	0.63 J	1.3 J	< 1	< 1	< 1	< 1	< 1	< 5	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
1,2,3-Trichlorobenzene	< 5	--	--	< 5	--	--	< 5	< 1	--	< 5	--	--	< 5	< 1	--	< 5	--	--	< 5	< 1	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1
1,2,4-Trichlorobenzene	< 5	--	--	< 5	--	--	< 5	< 1	--	< 5	--	--	< 5	< 1	--	< 5	--	--	< 5	< 1	--
1,2,4-Trimethylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
1,3-Dichlorobenzene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 25	< 10
2-Chlorotoluene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
2-Hexanone	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10 *	< 10	< 10	< 25	< 10
4-Chlorotoluene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 25	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 25	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 20	< 20	< 20	< 20	< 10	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Bromomethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 1 (UJ)	< 5	< 5	< 5 *	< 5	< 5	< 1	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 1	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 5	< 5	< 5	< 5	< 1	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2-Dichloroethene	0.87 J	1.4	1	< 1	< 1	< 1	< 1	< 1	< 1	5.1	5.1	7.3	7.5	8.4	6.8	1.8	0.44 J	1.3	< 1	0.71 J	< 1

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G48	OLF-G48	OLF-G48	OLF-G49	OLF-G49	OLF-G49	OLF-G49	OLF-G49	OLF-G49	OLF-G50	OLF-G50	OLF-G50	OLF-G50	OLF-G50	OLF-G50	OLF-G51	OLF-G51	OLF-G51	OLF-G51	OLF-G51	OLF-G51
Date	5/6/21	11/20/21	5/17/22	11/13/19	5/20/20	11/17/20	5/12/21	11/17/21	5/19/22	11/13/19	5/20/20	11/17/20	5/12/21	11/17/21	5/19/22	11/13/19	5/20/20	11/17/20	5/12/21	11/17/21	5/19/22
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Dichlorodifluoromethane	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	--	--	< 5	--	--	< 5	< 5	--	< 5	--	--	< 5	< 5	--	< 5	--	--	< 5	< 5	--
Iodomethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 10	< 10	< 10	< 10	< 1	< 10
Isopropyl Benzene (Cumene)	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
m,p-Xylene	< 1	--	--	< 1	--	--	< 1	< 5	--	< 1	--	--	< 1	< 5	--	< 1	--	--	< 1	< 5	--
Methylene Chloride	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MTBE	< 10	< 5	< 5	< 10	< 10	< 10	< 10	< 1	< 5	< 10	< 10	< 10	< 10	< 1	< 5	< 10	< 10	< 10	< 10	< 1	< 5
Naphthalene	< 5	--	--	< 5	--	--	< 5	< 1	--	< 5	--	--	< 5	< 1	--	< 5	--	--	< 5	< 1	--
N-Butylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
N-Propylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
O-Xylene	< 1	--	--	< 1	--	--	< 1	< 5	--	< 1	--	--	< 1	< 5	--	< 1	--	--	< 1	< 5	--
P-Isopropyltoluene (Cymene)	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
Sec-Butylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	--	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--	< 1	--	--	< 1	< 1	--
Tetrachloroethylene	< 1	< 0.5	< 0.5	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	0.71 J	0.69	< 1	< 1	< 1	< 1	< 1	< 0.5
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1.3	1.1	1.4	1.7	2.7	2.2	0.44 J	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 5	< 2	< 2	< 2	< 2	< 2	< 5	< 2	< 2	< 2	< 2	< 2	< 5	< 2
Trichloroethene	3.3	3.9	3.2	< 1	< 1	< 1	< 1	< 1	< 1	53	59	71	93	110	96	14	3.2	12	2.3	8.1	1.6
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2 (UJ)	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)
Vinyl Chloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 1	< 1	< 1	< 1	< 10	< 1
Dissolved Gases (µg/L)																					
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70
Date	11/8/17	5/21/18	11/20/18	5/9/19	11/11/19	5/19/20	11/16/20	5/10/21	11/15/21	5/19/22	11/8/17	5/21/18	11/26/18	5/15/19	11/18/19	5/19/20	11/12/20	5/7/21	11/15/21	5/19/22
Volatile Organic Compounds (µg/L)																				
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	--	< 1	< 1	--	--	--	< 1	< 1	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
1,2,3-Trichlorobenzene	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 5	< 5	< 5	--	--	--	< 5	< 1	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
1,2,4-Trichlorobenzene	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 1	< 5	< 5	< 5	--	--	--	< 5	< 1	--
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
1,2-Dibromo-3-Chloropropane	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10
2-Chlorotoluene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10
4-Chlorotoluene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 25	< 10
Acrylonitrile	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Bromomethane	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 5	< 5	< 5 (UJ)	< 5	< 5	< 5	< 5	< 1	< 5
Carbon Disulfide	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2	< 1	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 1	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloroethane	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 5
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 2	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 2	< 1	< 1	< 1 *	< 1	< 1	< 1	< 1	< 1	< 1
Cis-1,2-Dichloroethene	1.6	1.7	1.3	1.2	1.4	2.1	1.9	1.7	1.4	1.7	1.7	1.4	1.8	1.4	1.5	2.3	1.8	1.7	1.4	1.5

Table D.2: Off-Site Groundwater Analytical Results for Year 1 - Year 5 Post Remediation

Well ID	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70
Date	11/8/17	5/21/18	11/20/18	5/9/19	11/11/19	5/19/20	11/16/20	5/10/21	11/15/21	5/19/22	11/8/17	5/21/18	11/26/18	5/15/19	11/18/19	5/19/20	11/12/20	5/7/21	11/15/21	5/19/22
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1 *	< 1	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Dichlorodifluoromethane	< 2	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 2	< 1	< 1	< 1	--	--	--	< 1	< 1	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 5	< 5	< 5	< 5	--	--	< 5	< 5	--	< 1	< 5	< 5	< 5	--	--	--	< 5	< 5	--
Iodomethane	< 2	--	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 1	< 10	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
m,p-Xylene	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--	--	< 1	< 1	< 1	--	--	--	< 1	< 5	--
Methylene Chloride	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5
MTBE	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 5
Naphthalene	< 2	< 5	< 5	< 5	< 5	--	--	< 5	< 1	--	< 2	< 5	< 5	< 5	--	--	--	< 5	< 1	--
N-Butylbenzene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
N-Propylbenzene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
O-Xylene	--	< 1	< 1	< 1	< 1	--	--	< 1	< 5	--	--	< 1	< 1	< 1	--	--	--	< 1	< 5	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
Sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	--	--	< 1	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	< 1	--
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.5
Toluene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	0.36 J	0.48 J	0.56 J	< 1	0.44 J	0.58 J	0.44 J	< 1	< 1	< 1	0.42 J	0.48 J	0.57 J	< 1	< 1	0.55 J	0.43 J	< 1	< 1	0.37 J
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 5	< 1
Trans-1,4-Dichloro-2-Butene	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2	< 2	--	< 2	< 2	< 2	< 2	< 2	< 2	< 5	< 2
Trichloroethene	6.7	7.7	8.7	5.9	6.6	9.7	7.6	8.9	8.5	6.7	7.4	8.2	8.1	9.3	6.8	12	9.3	7.8	10	7.1
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 25	< 2 (UJ)
Vinyl Chloride	< 0.8	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 0.8	< 1	< 1	< 1 (UJ)	< 1	< 1	< 1	< 1	< 1	< 1
Xylenes (Total)	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1	< 3	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 10	< 1
Dissolved Gases (µg/L)																				
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
TOC - Total organic carbon
Lab Flag
J = Result is estimated; detected between the method detection limit and the reporting limit.
Validation Flag (in parenthesis)
B = Analyte detected in an associated blank.
J = Result is estimated based on data validation.
UB = Analyte considered not detected based on concentration in associated blank.
UJ = Reporting limit estimated based on QC acceptance criteria outliers.