

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

20.094.21-05.3

GROUNDWATER LEVELS

Field Personnel

Tulley/Abernathy

Measuring Equipment

Solinst Water Level Meter

Date

11/9/2020

Conditions

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
LF4-MW01	4 inch	11/9/2020	9:13	19.62	40	20.38	DA
LF4-MW02	4 inch	11/9/2020	9:17	23.62	40.25	16.63	DA
LF4-MW03	4 inch	11/9/2020	9:25	13.85	34.2	20.35	DA
LF4-MW04	4 inch	11/9/2020	9:31	7.83	26.8	18.97	DA
LF4-MW05	4 inch	11/9/2020	9:05	12.83	34.6	21.77	DA
OLF-G04	4 inch	11/9/2020	10:12	48.06	60.5	12.44	DA
OLF-G05	4 inch	11/9/2020	10:29	38.49	60.4	21.91	DA
OLF-G06	4 inch	11/9/2020	8:35	69.58	72.58	3.00	JT
OLF-G07	4 inch	11/9/2020	8:44	46.41	62.5	16.09	JT
OLF-G08	4 inch	11/9/2020	10:33	35.29	45	9.71	DA
OLF-G09	4 inch	11/9/2020	10:04	31.63	32	0.37	DA
OLF-G10	4 inch	11/9/2020	8:49	24.93	28	3.07	DA
OLF-G12	4 inch	11/9/2020	11:16	66.90	87	20.10	DA
OLF-G16	4 inch	11/9/2020	10:19	DRY	37.45	Dry well	DA
OLF-G17	4 inch	11/9/2020	10:39	27.20	42	14.80	DA
OLF-G18	4 inch	11/9/2020	11:40	43.68	58.3	14.62	JT
OLF-G19	4 inch	11/9/2020	11:27	50.56	68	17.44	DA
OLF-G20	4 inch	11/9/2020	11:50	58.19	175	116.81	JT
OLF-G21	4 inch	11/9/2020	11:35	57.44	175	117.56	JT
OLF-G22	4 inch	11/9/2020	11:13	68.29	175	106.71	DA
OLF-G23	4 inch	11/9/2020	11:20	65.73	175	109.27	JT
OLF-G24	4 inch	11/9/2020	11:06	66.45	95	28.55	DA
OLF-G25	4 inch	11/9/2020	10:35	57.80	175.5	117.70	JT
OLF-G26	4 inch	11/9/2020	10:40	65.91	100	34.09	JT



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

Project Name

McClellan

Project Number

20.094.21-05.3

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G27	4 inch	11/9/2020	10:00	92.10	300	207.90	JT
OLF-G28	4 inch	11/9/2020	10:10	89.91	150	60.09	JT
OLF-G29	4 inch	11/9/2020	11:58	92.31	222.5	130.19	DA
OLF-G30	4 inch	11/9/2020	11:50	93.20	297.2	204.00	DA
OLF-G31	4 inch	11/9/2020	10:50	111.59	225	113.41	JT
OLF-G32	4 inch	11/9/2020	10:50	115.94	182	66.06	JT
OLF-G35	4 inch	11/9/2020	11:01	65.76	260	194.24	DA
OLF-G36	4 inch	11/9/2020	11:20	67.87	258.8	190.93	DA
OLF-G37	4 inch	11/9/2020	11:10	84.70	204	119.30	JT
OLF-G40	2 inch	11/9/2020	9:09	20.12	125	104.88	DA
OLF-G41	2 inch	11/9/2020	8:46	25.27	85.7	60.43	DA
OLF-G42	2 inch	11/9/2020	10:09	70.61	174.5	103.89	DA
OLF-G43	2 inch	11/9/2020	9:30	92.06	220.6	128.54	JT
OLF-G44	2 inch	11/9/2020	9:25	94.94	295.1	200.16	JT
OLF-G45	2 inch	11/9/2020	8:00	39.33	182	142.67	DA
OLF-G46	2 inch	11/9/2020	8:04	42.15	250	207.85	DA
OLF-G47	2 inch	11/9/2020	10:51	59.46	322	262.54	DA
OLF-G48	2 inch	11/9/2020	10:55	48.43	405	356.57	DA
OLF-G49	2 inch	11/9/2020	10:15	81.00	110	29.00	JT
OLF-G50	2 inch	11/9/2020	10:20	80.47	159	78.53	JT
OLF-G51	2 inch	11/9/2020	10:25	78.31	259	180.69	JT
OLF-G52	2 inch	11/9/2020	9:20	61.53	377.5	315.97	JT
OLF-G53	2 inch	11/9/2020	7:40	41.84	88.5	46.66	DA
OLF-G54	2 inch	11/9/2020	8:23	18.17	37.22	19.05	DA
OLF-G55	2 inch	11/9/2020	8:19	25.11	80.4	55.29	DA
OLF-G56	2 inch	11/9/2020	8:58	26.78	40.5	13.72	DA
OLF-G57	2 inch	11/9/2020	8:54	27.04	65.4	38.36	DA

*Unable to get water level due to obstruction.



Matrix Environmental Services
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(256) 847-0780
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Project Name

McClellan

Project Number

20.094.21-05.3

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G58	2 inch	11/9/2020	8:28	14.33	29	14.67	DA
OLF-G66	4 inch	11/9/2020	8:43	22.05	105	82.95	DA
OLF-G67	4 inch	11/9/2020	8:40	21.75	149	127.25	DA
OLF-G68	4 inch	11/9/2020	8:31	33.07	133	99.93	DA
OLF-G69	4 inch	11/9/2020	8:35	26.97	177.5	150.53	DA
OLF-G70	4 inch	11/9/2020	9:14	61.05	400	338.95	JT
OLF-G71 Port 1	FLUTe	11/12/2020	8:25	38.56	245	206.44	JT
OLF-G71 Port 2	FLUTe	11/12/2020	8:45	59.28	245	185.72	JT
OLF-G71 Port 3	FLUTe	11/12/2020	8:55	58.65	245	186.35	JT
OLF-G71 Port 4	FLUTe	11/12/2020	9:15	63.68	245	181.32	JT
OLF-G71 Port 5	FLUTe	11/12/2020	9:25	36.10	245	208.90	JT
OLF-G72 Port 1	FLUTe	11/11/2020	9:37	68.72	245	176.28	JT
OLF-G72 Port 2	FLUTe	11/11/2020	9:50	68.73	245	176.27	JT
OLF-G72 Port 3	FLUTe	11/11/2020	12:25	60.00*	245	185.00	JT
OLF-G72 Port 4	FLUTe	11/11/2020	12:40	60.00*	245	185.00	JT
OLF-G72 Port 5	FLUTe	11/11/2020	12:55	60.00*	245	185.00	JT
OLF-G72 Port 6	FLUTe	11/11/2020	13:25	60.00*	245	185.00	JT
OLF-G73 Port 1	FLUTe	11/10/2020	12:30	70.52	270	199.48	JT
OLF-G73 Port 2	FLUTe	11/10/2020	12:55	70.83	270	199.17	JT
OLF-G73 Port 3	FLUTe	11/10/2020	13:20	67.52*	270	202.48	JT
OLF-G73 Port 4	FLUTe	11/10/2020	13:55	71.13	270	198.87	JT
OLF-G73 Port 5	FLUTe	11/10/2020	14:30	70.30	270	199.70	JT
OLF-G74 Port 1	FLUTe	11/11/2020	8:25	67.80	265	197.20	JT
OLF-G74 Port 2	FLUTe	11/11/2020	8:37	72.55	265	192.45	JT
OLF-G74 Port 3	FLUTe	11/11/2020	9:00	72.22	265	192.78	JT
OLF-G74 Port 4	FLUTe	11/11/2020	9:07	72.73	265	192.27	JT
OLF-G74 Port 5	FLUTe	11/11/2020	9:35	72.77	265	192.23	JT

* Unable to get water level meter in port.



Matrix Environmental Services
283 Rucker Street
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(256) 847-0780

Station Name/Sample ID

OLF-G12

Project

McClellan

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20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 67.38 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/16/2020
Well Depth (TOC) 87 feet		Location (Site) LF3	Begin Time 10:00
Water Column Thickness 19.62 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 80
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 12.75 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 59	Meters YSI Pro Plus#2	Serial numbers
Well Elevation (TOC) 745.43 feet		Solinst Water Level Meter	
Groundwater Elevation 678.05 feet	Weather Conditions Sunny	Geotech Geocontrol PRO	
		Calibration Field	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
10:35	0	17.9	89	4.7	235	0.06	21	5.3	Clear	Clear	None
10:40	500	19.0	86	4.5	234	0.06	18	5.3	Clear	Clear	None
10:45	500	18.8	85	4.5	232	0.06	15	5.3	Clear	Clear	None
10:50	500	18.8	85	4.2	232	0.05	14	5.2	Clear	Clear	None
10:55	500	18.0	87	4.4	234	0.06	10	5.2	Clear	Clear	None
11:00	500	19.8	87	4.2	231	0.06	8	5.2	Clear	Clear	None
11:05	500	18.8	89	4.1	235	0.06	9	5.2	Clear	Clear	None
11:10	500	19.1	89	4.2	234	0.06	9	5.2	Clear	Clear	None
11:15	500	19.0	89	4.2	235	0.06	9	5.2	Clear	Clear	None
11:20	500	19.0	89	4.3	234	0.06	8	5.2	Clear	Clear	None
11:21											

Total Time (min.) 45	Total Volume Removed 4500	Well pumped dry (yes/no) No	Notes 11.16.20

QA/QC Samples N/A	Signature



Matrix Environmental Services
283 Rucker Street
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OLF-G18

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 43.91 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/16/2020
Well Depth (TOC) 58 feet		Location (Site) LF3	Begin Time 14:05
Water Column Thickness 14.09 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 52
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 9.16 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 741.6 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 697.69 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
14:35	0	18.0	167	0.9	47	0.11	17	5.4	Clear	Clear	None
14:40	500	18.1	166	0.9	47	0.11	18	5.3	Clear	Clear	None
14:45	500	17.9	164	0.9	45	0.11	18	5.3	Clear	Clear	None
14:50	500	17.9	163	1.0	45	0.11	16	5.4	Clear	Clear	None
14:55	500	18.0	158	1.4	48	0.10	18	5.5	Clear	Clear	None
15:00	500	18.0	157	1.4	50	0.10	17	5.5	Clear	Clear	None
15:05	500	17.9	155	1.6	51	0.10	16	5.5	Clear	Clear	None
15:10	500	17.9	153	1.8	54	0.10	17	5.5	Clear	Clear	None
15:15	500	18.0	152	1.9	55	0.10	16	5.5	Clear	Clear	None
15:20	500	17.9	148	2.2	60	0.10	16	5.5	Clear	Clear	None
15:25	500	17.9	147	2.2	61	0.10	18	5.5	Clear	Clear	None
15:30	500	17.9	147	2.3	61	0.10	17	5.5	Clear	Clear	None
Total Time (min.) 55	Total Volume Removed 5500	Well pumped dry (yes/no) No		Notes 15:31 Collecting Sample Suite							

QA/QC Samples

N/A

Signature



Matrix Environmental Services
283 Rucker Street
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(256) 847-0780

Station Name/Sample ID

OLF-G19

Project

McClellan

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 51.22 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/16/2020
Well Depth (TOC) 68 feet		Location (Site) LF3	Begin Time 12:15
Water Column Thickness 16.78 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 62
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 63	Meters YSI Pro Plus	Serial numbers
Casing Volume 10.91 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Solinst Water Level Meter Geotech Geocontrol PRO	
Well Elevation (TOC) 744.08 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 692.86 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
12:50	0	19.9	78	2.0	232	0.05	30	4.8	Clear	Clear	None
12:55	500	19.9	78	2.0	232	0.05	28	4.9	Clear	Clear	None
13:00	500	19.8	79	1.9	233	0.05	24	4.9	Clear	Clear	None
13:05	500	20.1	78	1.8	229	0.05	24	4.9	Clear	Clear	None
13:10	500	20.3	78	1.9	227	0.05	20	4.9	Clear	Clear	None
13:15	500	20.6	78	1.8	222	0.05	23	4.9	Clear	Clear	None
13:20	500	20.8	77	2.0	222	0.05	21	4.9	Clear	Clear	None
13:25	500	20.6	76	1.9	216	0.05	19	4.9	Clear	Clear	None
13:30	500	20.7	76	2.0	213	0.05	22	4.8	Clear	Clear	None
13:35	500	20.7	76	1.9	210	0.05	20	4.9	Clear	Clear	None
13:40	500	20.6	76	2.0	210	0.05	21	4.9	Clear	Clear	None
13:41	Collecting Sample Suite										
Total Time (min.) 50	Total Volume Removed 5000	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

N/A

Signature



Matrix Environmental Services
283 Rucker Street
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(256) 847-0780

Station Name/Sample ID

OLF-G20

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 58.66 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/18/2020
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 8:25
Water Column Thickness 116.34 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 75.62 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 741.43 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 682.77 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
8:35	0	15.4	725	1.2	-82	0.48	8	7.0	Clear	Clear	None
8:40	750	15.7	742	1.2	-79	0.48	6	7.0	Clear	Clear	None
8:45	750	15.6	743	1.2	-79	0.48	4	7.0	Clear	Clear	None
8:50	750	15.5	744	1.1	-80	0.48	4	7.0	Clear	Clear	None
8:55	750	15.2	744	1.1	-81	0.48	3	7.0	Clear	Clear	None
9:00	750	15.6	745	1.1	-81	0.48	3	7.0	Clear	Clear	None
9:05	750	15.6	745	1.2	-81	0.48	4	7.0	Clear	Clear	None
9:06	Collecting Sample Suite										

Total Time (min.) 30	Total Volume Removed 4500	Well pumped dry (yes/no) No	Notes

QA/QC Samples N/A	Signature J. Tulley



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

Station Name/Sample ID

OLF-G21

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 57.81 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/17/2020
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 07:15
Water Column Thickness 117.19 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 76.17 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 41	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 742.57 feet	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 684.76 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
8:00	0	15.8	484	1.9	-72	0.33	6	7.8	Clear	Clear	None
8:05	500	15.6	510	2.0	-62	0.33	3	7.2	Clear	Clear	None
8:10	500	15.4	510	2.1	-62	0.33	6	7.1	Clear	Clear	None
8:15	500	15.6	510	2.0	-63	0.33	3	7.1	Clear	Clear	None
8:20	500	15.5	509	1.7	-64	0.33	5	7.1	Clear	Clear	None
8:25	500	16.0	508	1.6	-68	0.33	4	7.1	Clear	Clear	None
8:30	500	16.2	507	1.5	-60	0.33	6	7.1	Clear	Clear	None
8:35	500	16.0	505	1.5	-68	0.33	6	7.1	Clear	Clear	None
8:40	500	16.1	505	1.5	-69	0.33	6	7.1	Clear	Clear	None
8:45	500	16.2	506	1.5	-69	0.33	4	7.1	Clear	Clear	None
8:50	500	16.2	505	1.4	-69	0.33	5	7.1	Clear	Clear	None
8:51											
Total Time (min.) 50	Total Volume Removed 5000	Well pumped dry (yes/no) No		Notes Collecting Sample Suite							

QA/QC Samples

N/A

Signature

J. Tulley



Matrix Environmental Services
283 Rucker Street
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(256) 847-0780

Station Name/Sample ID

OLF-G22

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 68.71 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/17/2020
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 12:45
Water Column Thickness 106.29 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 69.09 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 64°	Meters YSI Pro Plus# 2	Serial numbers Geotech Water Level Meter
Well Elevation (TOC) 746.54 feet	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 677.83 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
1245	0	19.8	358	2.5	61	0.23	7	6.3	Clear	Clear	None
1250	625	19.8	416	1.6	52	0.27	4	6.3	Clear	Clear	None
1255	625	19.7	418	1.1	39	0.27	1	6.3	Clear	Clear	None
1300	625	19.6	420	0.8	21	0.27	0	6.3	Clear	Clear	None
1305	625	19.8	420	0.8	11	0.27	0	6.3	Clear	Clear	None
1310	625	19.7	419	0.6	1	0.27	0	6.3	Clear	Clear	None
1315	625	19.5	419	0.6	-3	0.27	0	6.3	Clear	Clear	None
1320	625	19.6	419	0.6	-8	0.27	0	6.3	Clear	Clear	None
1325	625	19.6	419	0.5	-13	0.27	0	6.3	Clear	Clear	None
1330	625	19.4	419	0.5	-15	0.27	0	6.2	Clear	Clear	None
1335	625	19.1	419	0.5	-16	0.27	0	6.2	Clear	Clear	None

1340	Collect Sample										
Total Time (min.) 55	Total Volume Removed 6250	Well pumped dry (yes/no) No	Notes								

QA/QC Samples	Signature



Matrix Environmental Services
283 Rucker Street
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(256) 847-0780

Station Name/Sample ID

OLF-G23

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20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 66.12 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/17/2020
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 09:15
Water Column Thickness 108.88 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 70.77 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) 743.89 feet		Calibration Field 11/17/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 677.77 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	257	3.5	151	0.17	5	6.3	Clear	Clear	None
0920	625	19.2	287	2.6	147	0.20	4	6.2	Clear	Clear	None
0925	625	19.4	324	1.9	140	0.21	4	6.1	Clear	Clear	None
0930	625	19.2	333	1.3	131	0.22	3	6.1	Clear	Clear	None
0935	625	19.2	335	1.2	125	0.22	3	6.1	Clear	Clear	None
0940	625	19.2	336	1.0	120	0.22	3	6.1	Clear	Clear	None
0945	625	19.6	338	1.0	111	0.22	3	6.1	Clear	Clear	None
0950	625	19.9	332	0.9	90	0.22	3	6.1	Clear	Clear	None
0955	625	19.6	337	0.9	96	0.22	3	6.1	Clear	Clear	None
1000	625	19.5	340	0.8	93	0.22	3	6.1	Clear	Clear	None
1005	625	19.6	339	0.8	91	0.22	3	6.1	Clear	Clear	None
1010	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	6250		No								
QA/QC Samples									Signature 		



Matrix Environmental Services
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OLF-G24

Project

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20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 66.45 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/16/2020
Well Depth (TOC) 95 feet		Location (Site) LF3	Begin Time 8:10
Water Column Thickness 28.55 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 87
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 18.56 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 Solinst Water Level Meter
Well Elevation (TOC) 743.89 feet	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 677.44 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
8:45	0	14.9	74	3.2	251	0.05	20	5.2	Clear	Clear	None
8:50	500	15.0	74	3.5	256	0.05	20	5.1	Clear	Clear	None
8:55	500	15.1	74	3.4	255	0.05	18	5.1	Clear	Clear	None
9:00	500	15.2	74	3.2	253	0.05	17	5.1	Clear	Clear	None
9:05	500	15.5	74	3.4	254	0.05	17	5.1	Clear	Clear	None
9:10	500	15.9	74	3.4	252	0.05	18	5.1	Clear	Clear	None
9:15	500	16.6	75	3.8	242	0.05	18	5.2	Clear	Clear	None
9:20	500	16.6	75	3.6	242	0.05	18	5.2	Clear	Clear	None
9:25	500	16.5	75	3.7	241	0.05	17	5.2	Clear	Clear	None
9:26	Collecting Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	4000		No								

QA/QC Samples
N/A

Signature



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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 65.91 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/17/2020
Well Depth (TOC) 100 feet		Location (Site) LF3	Begin Time 09:20
Water Column Thickness 34.09 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 92
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 57	Meters YSI Pro Plus#2	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Casing Volume 22.16 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) 745.04 feet		Product Observed (yes/no) N/A	Depth to product N/A
Groundwater Elevation 679.13 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
10:00	0	17.8	227	11.1	16	0.15	12	6.9	Clear	Clear	None
10:05	500	16.7	228	10.8	19	0.15	8	7.0	Clear	Clear	None
10:10	500	16.5	228	10.4	24	0.15	9	7.0	Clear	Clear	None
10:15	500	16.7	227	10.6	28	0.15	8	6.9	Clear	Clear	None
10:20	500	16.7	228	10.5	29	0.15	7	6.9	Clear	Clear	None
10:25	500	17.2	228	11.3	33	0.15	8	6.9	Clear	Clear	None
10:30	500	17.3	228	11.0	34	0.15	7	6.9	Clear	Clear	None
10:35	500	17.4	228	10.6	33	0.15	9	6.9	Clear	Clear	None
10:36	Collecting Sample Suite										

Total Time (min.) 35	Total Volume Removed 3500	Well pumped dry (yes/no) No	Notes DO probe might be malfunctioning
QA/QC Samples N/A			Signature



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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 111.67 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/12/2020
Well Depth (TOC) 225 feet		Location (Site) Landfill 3	Begin Time 07:30
Water Column Thickness 113.33 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 215
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 73.66 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	
Well Elevation (TOC) 793.69 feet		Calibration Field 11/12/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 682.02 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
0740	0	17.0	194	2.9	-12	0.13	10	6.3	Clear	Clear	None
0745	500	16.9	273	2.3	-53	0.19	9	6.7	Clear	Clear	None
0750	500	16.9	322	1.8	-82	0.21	7	7.1	Clear	Clear	None
0755	500	17.0	347	1.6	-99	0.23	4	7.4	Clear	Clear	None
0800	500	17.0	343	1.4	-104	0.22	2	7.4	Clear	Clear	None
0805	500	17.0	348	1.3	-108	0.23	1	7.5	Clear	Clear	None
0810	500	17.0	351	1.2	-114	0.23	1	7.6	Clear	Clear	None
0815	500	17.0	349	1.1	-116	0.23	1	7.6	Clear	Clear	None
0820	500	17.0	347	1.1	-115	0.23	1	7.6	Clear	Clear	None
0825	500	17.0	344	1.0	-115	0.22	1	7.6	Clear	Clear	None
0830	500	17.1	343	1.0	-115	0.22	1	7.6	Clear	Clear	None
0835	Collect Sample										
Total Time (min.) 55	Total Volume Removed 5000		Well pumped dry (yes/no) No			Notes					
QA/QC Samples									Signature 		



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OLF-G32

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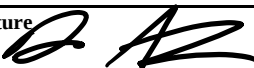
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20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	116.02	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/12/2020
Well Depth (TOC)	291	feet						
Water Column Thickness	174.98	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	281
Casing Diameter	4	inches						
Casing Volume	113.74	gallons	Weather Conditions	Overcast	Meters	YSI pro plus# 2 Geotech Water Level Meter	Serial numbers	
Well Elevation (TOC)	793.41	feet						
Groundwater Elevation	677.39	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
0915	0	17.6	126	5.0	-41	0.08	33	7.5	Cloudy	Brown	None
0920	500	17.5	168	3.5	-33	0.11	18	7.2	Clear	Clear	None
0925	500	17.5	184	3.3	-30	0.12	6	7.2	Clear	Clear	None
0930	500	17.5	215	3.4	-31	0.14	3	7.5	Clear	Clear	None
0935	500	17.5	222	3.5	-32	0.14	1	7.5	Clear	Clear	None
0940	500	17.6	226	3.5	-33	0.15	1	7.6	Clear	Clear	None
0945	500	17.5	227	3.6	-30	0.15	1	7.7	Clear	Clear	None
0950	500	17.5	227	3.5	-27	0.15	0	7.7	Clear	Clear	None
0955	500	17.5	226	3.5	-26	0.15	0	7.7	Clear	Clear	None
1000	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	4000		No								
QA/QC Samples									Signature 		



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OLF-G35

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	66.2	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/17/2020
Well Depth (TOC)	260	feet						
Water Column Thickness	193.8	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	250
Casing Diameter	4	inches						
Casing Volume	125.97	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus #2	Serial numbers	Geotech Water Level Meter
Well Elevation (TOC)	742.82	feet						
Groundwater Elevation	676.62	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
0800	0	10.4	106	7.0	-1	0.07	8	7.2	Clear	Clear	None
0805	625	12.9	102	1.8	-92	0.07	7	6.9	Clear	Clear	None
0810	625	13.0	103	1.5	-102	0.07	5	7.0	Clear	Clear	None
0815	625	13.5	103	1.2	-114	0.07	5	7.0	Clear	Clear	None
0820	625	13.3	103	1.0	-118	0.07	3	7.0	Clear	Clear	None
0825	625	13.5	102	0.8	-123	0.07	3	7.0	Clear	Clear	None
0830	625	13.6	102	0.8	-124	0.07	2	7.0	Clear	Clear	None
0835	625	13.6	103	0.7	-127	0.07	2	7.0	Clear	Clear	None
0840	625	13.7	102	0.7	-127	0.07	2	7.0	Clear	Clear	None
0845	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5000		No								
QA/QC Samples									Signature 		



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OLF-G36

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 68.38 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/17/2020
Well Depth (TOC) 258.8 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Location (Site) LF3	Begin Time 11:05
Water Column Thickness 190.42 feet		Laboratory TestAmerica	Sample Depth 250
Casing Diameter 4 inches	Temperature (°F) 63°	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Meter
Casing Volume 123.77 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) 746.09 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
Groundwater Elevation 677.71 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
1110	0	20.6	225	3.5	-152	0.14	6	8.1	Clear	Clear	None
1115	625	20.3	158	1.5	-195	0.10	5	9.5	Clear	Clear	None
1120	625	20.4	217	1.3	-183	0.14	4	8.8	Clear	Clear	None
1125	625	20.6	417	1.4	-132	0.28	3	7.5	Clear	Clear	None
1130	625	20.4	439	1.3	-109	0.28	3	7.4	Clear	Clear	None
1135	625	20.4	440	1.3	-104	0.29	3	7.4	Clear	Clear	None
1140	625	20.6	440	1.2	-103	0.29	3	7.4	Clear	Clear	None
1145	625	20.8	441	1.2	-103	0.29	2	7.4	Clear	Clear	None
1150	625	21.1	442	1.2	-105	0.29	2	7.4	Clear	Clear	None
1155	625	21.2	442	1.2	-104	0.29	2	7.4	Clear	Clear	None
1200	Collect Sample										

Total Time (min.) 50	Total Volume Removed 5625	Well pumped dry (yes/no) No	Notes

QA/QC Samples	Signature



Matrix Environmental Services
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OLF-G42

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
70.57 feet		D. Abernathy	11/11/2020
Well Depth (TOC)	Low Flow	Location (Site)	Begin Time
174.5 feet		LF3	11:00
Water Column Thickness	Equipment	Laboratory	Sample Depth
103.93 feet		TestAmerica	164
	Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4 inches		74°	YSI Pro Plus#2
Casing Volume	Weather Conditions	Geotech Water Level Meter	
67.55 gallons			
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Calibration	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC)	Overcast	Field	
746.2 feet		11/11/2020	N/A
Groundwater Elevation	Parameter Stabilization		
675.63 feet		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)
		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
1100	0	19.0	447	1.2	-123	0.29	6	7.3	Clear	Clear	None
1105	600	19.9	448	1.0	-127	0.29	7	7.4	Clear	Clear	None
1110	600	19.7	449	0.8	-132	0.29	7	7.4	Clear	Clear	None
1115	600	19.5	450	0.7	-136	0.29	7	7.4	Clear	Clear	None
1120	600	19.5	451	0.7	-141	0.29	5	7.4	Clear	Clear	None
1125	600	19.6	452	0.6	-146	0.29	3	7.4	Clear	Clear	None
1130	600	19.8	457	0.5	-151	0.29	3	7.4	Clear	Clear	None
1135	600	19.7	461	0.5	-156	0.30	3	7.4	Clear	Clear	None
1140	600	19.6	463	0.5	-159	0.30	3	7.4	Clear	Clear	None
1145	600	19.5	465	0.4	-161	0.30	3	7.4	Clear	Clear	None
1150	600	19.5	468	0.4	-164	0.30	3	7.4	Clear	Clear	None

1155	Collect Sample										
Total Time (min.) 55	Total Volume Removed 6000	Well pumped dry (yes/no) No		Notes							

QA/QC Samples MS/MSD	Signature



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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	92.4	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/16/2020
Well Depth (TOC)	220.6	feet						
Water Column Thickness	128.2	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 controller	Laboratory	TestAmerica	Sample Depth	213
Casing Diameter	2	inches						
Casing Volume	20.51	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus#2	Serial numbers	Geotech Water Level Meter
Well Elevation (TOC)	761.05	feet						
Groundwater Elevation	668.65	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
1405	0	17.9	79	3.5	-17	0.05	7	6.5	Clear	Clear	None
1410	500	17.9	92	3.2	-23	0.06	12	6.3	Clear	Clear	None
1415	500	17.5	152	4.0	-12	0.10	18	6.2	Clear	Clear	None
1420	500	17.5	160	4.3	11	0.11	11	6.2	Clear	Clear	None
1425	500	17.5	169	4.7	43	0.11	9	6.2	Clear	Clear	None
1430	500	17.4	169	4.8	51	0.11	7	6.2	Clear	Clear	None
1435	500	17.3	169	4.8	60	0.11	6	6.2	Clear	Clear	None
1440	500	17.3	170	4.7	63	0.11	4	6.2	Clear	Clear	None
1445	500	17.3	170	4.7	67	0.11	3	6.2	Clear	Clear	None
1450	500	17.3	170	4.8	70	0.11	3	6.2	Clear	Clear	None
1455	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	4500		No								
QA/QC Samples									Signature 		



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OLF-G47

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	59.71	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/16/2020
Well Depth (TOC)	322	feet						
Water Column Thickness	262.29	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	303
Casing Diameter	4	inches						
Casing Volume	170.49	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus	Serial numbers	Geotech Water Level Meter
Well Elevation (TOC)	717.46	feet						
Groundwater Elevation	657.75	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	20.0	144	8.0	4	0.11	3	8.2	Clear	Clear	None
1020	400	19.2	280	7.8	-26	0.17	2	8.0	Clear	Clear	None
1025	400	18.9	222	7.8	-70	0.11	7	7.7	Clear	Clear	None
1030	400	19.2	141	7.6	-74	0.09	9	7.5	Clear	Clear	None
1035	400	19.3	139	7.6	-85	0.09	9	7.2	Clear	Clear	None
1040	400	19.0	126	7.6	-79	0.09	7	7.2	Clear	Clear	None
1045	400	19.1	136	6.5	-80	0.08	7	7.1	Clear	Clear	None
1050	400	19.2	145	6.1	-88	0.10	7	7.1	Clear	Clear	None
1055	400	19.7	165	6.2	-93	0.11	6	7.1	Clear	Clear	None
1100	400	19.7	283	5.5	-94	0.20	6	7.4	Clear	Clear	None
1105	400	19.9	337	4.8	-90	0.22	6	7.4	Clear	Clear	None
1110	400	20.2	349	4.7	-92	0.23	6	7.5	Clear	Clear	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	4400	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-G48

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	49.14	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/16/2020
Well Depth (TOC)	405	feet						
Water Column Thickness	355.86	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	395
Casing Diameter	4	inches						
Casing Volume	231.31	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus #2	Serial numbers	Geotech Water Level Meter
Well Elevation (TOC)	717.63	feet						
Groundwater Elevation	668.49	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
1230	0	21.0	122	2.7	-93	0.08	7	6.9	Clear	Clear	None
1235	750	21.1	102	1.7	-104	0.07	6	6.7	Clear	Clear	None
1240	750	21.3	102	1.4	-106	0.07	4	6.7	Clear	Clear	None
1245	750	21.4	102	1.3	-113	0.07	4	6.7	Clear	Clear	None
1250	750	21.4	298	1.8	-112	0.19	3	7.4	Clear	Clear	None
1255	750	21.3	317	2.0	-102	0.21	2	7.5	Clear	Clear	None
1300	750	21.2	319	2.1	-95	0.21	2	7.5	Clear	Clear	None
1305	750	21.2	320	2.2	-88	0.21	1	7.6	Clear	Clear	None
1310	750	21.0	320	2.3	-85	0.21	1	7.6	Clear	Clear	None
1315	750	20.8	321	2.3	-82	0.21	1	7.6	Clear	Clear	None
1320	750	20.9	319	2.3	-78	0.21	1	7.6	Clear	Clear	None

1325

Collect Sample

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

QA/QC Samples

Signature



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Station Name/Sample ID

OLF-G49

Project

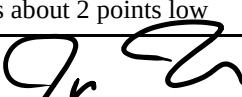
McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 80.83 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/17/2020
Well Depth (TOC) 110 feet		Location (Site) LF3	Begin Time 10:50
Water Column Thickness 29.17 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 100
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 60	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter
Casing Volume 18.96 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) 753.3 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 672.47 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
11:25	0	16.4	86	6.8	148	0.06	46	4.3	Cloudy	Clear	None
11:30	500	17.4	78	5.8	204	0.05	88	3.7	Cloudy	Clear	None
11:35	500	17.2	78	3.4	231	0.05	85	3.4	Cloudy	Clear	None
11:40	500	17.2	78	3.5	235	0.05	83	3.3	Cloudy	Clear	None
11:45	500	17.4	77	3.6	247	0.05	75	3.6	Cloudy	Clear	None
11:50	500	17.1	77	3.6	248	0.05	63	3.6	Cloudy	Clear	None
11:55	500	17.3	77	3.8	257	0.05	55	3.6	Cloudy	Clear	None
12:00	500	17.3	76	3.9	260	0.05	48	2.8	Cloudy	Clear	None
12:05	500	17.4	76	3.6	260	0.05	46	2.7	Cloudy	Clear	None
12:10	500	17.3	76	3.9	261	0.05	45	2.7	Clear	Clear	None
12:15	500	17.5	76	3.5	261	0.05	44	2.7	Clear	Clear	None
12:16		Collecting Sample Suite									
Total Time (min.) 50	Total Volume Removed 5000		Well pumped dry (yes/no) No			Notes PH probe is broken. #'s about 2 points low					
QA/QC Samples N/A									Signature 		



Matrix Environmental Services
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Station Name/Sample ID

OLF-G50

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 81.34 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/17/2020
Well Depth (TOC) 159 feet		Location (Site) LF3	Begin Time 15:15
Water Column Thickness 77.66 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 149
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 64	Meters YSI Pro Plus	Serial numbers
Casing Volume 50.48 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Solinst Water Level Meter Geotech Geocontrol PRO	
Well Elevation (TOC) 753.62 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 672.28 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
15:20	0	16.6	218	5.0	69	0.14	28	6.1	Clear	Clear	None
15:20	600	16.5	211	4.4	67	0.14	28	6.0	Clear	Clear	None
15:25	600	16.5	203	4.5	68	0.13	27	6.0	Clear	Clear	None
15:30	600	16.5	177	5.8	74	0.11	27	6.0	Clear	Clear	None
15:35	600	16.5	173	6.2	74	0.11	26	6.1	Clear	Clear	None
15:40	600	16.5	172	5.9	73	0.11	26	6.0	Clear	Clear	None
15:45	600	16.4	172	5.8	76	0.11	26	6.0	Clear	Clear	None
15:50	600	16.5	172	5.7	72	0.11	25	6.0	Clear	Clear	None
15:55	600	16.4	165	5.9	65	0.11	25	6.0	Clear	Clear	None
16:00	600	16.5	166	5.9	65	0.11	25	6.0	Clear	Clear	None
16:05	600	16.4	167	5.9	65	0.11	24	6.0	Clear	Clear	None
16:06			Collecting Sample Suite								
Total Time (min.) 45	Total Volume Removed 6000	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

N/A

Signature



Matrix Environmental Services
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Station Name/Sample ID

OLF-G51

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 78.47 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/17/2020
Well Depth (TOC) 259 feet		Location (Site) LF3	Begin Time 14:00
Water Column Thickness 180.53 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 249
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 117.34 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 64	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 753.69 feet	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 675.22 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
14:20	0	16.1	217	2.6	-99	0.14	43	6.4	Cloudy	Clear	None
14:25	500	16.1	236	2.7	-96	0.15	40	6.5	Cloudy	Clear	None
14:30	500	16.2	280	2.6	-84	0.18	39	6.5	Cloudy	Clear	None
14:35	500	16.2	292	2.5	-81	0.19	29	6.5	Clear	Clear	None
14:40	500	16.2	295	2.9	-78	0.19	28	6.5	Clear	Clear	None
14:45	500	16.0	318	3.4	-44	0.21	20	6.6	Clear	Clear	None
14:50	500	16.0	321	3.5	-28	0.21	20	6.6	Clear	Clear	None
14:55	500	16.1	321	3.3	-29	0.21	17	6.6	Clear	Clear	None
15:00	500	16.1	321	3.2	-29	0.21	15	6.6	Clear	Clear	None
15:05	500	16.1	321	3.2	-29	0.21	15	6.6	Clear	Clear	None
15:06	Collecting Sample Suite										
9.2											
11-17-20											
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
45	4500	No									

QA/QC Samples
N/A

Signature

J. Tulley



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Station Name/Sample ID

OLF-G52

Project

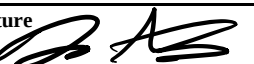
McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	61.71	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/16/2020
Well Depth (TOC)	377.5	feet						
Water Column Thickness	315.79	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	367
Casing Diameter	4	inches						
Casing Volume	205.26	gallons	Weather Conditions	Sunny	Meters	YSI pro plus#2 Geotech Water Level Meter	Serial numbers	
Well Elevation (TOC)	723.83	feet						
Groundwater Elevation	662.12	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	15.2	534	4.9	-219	0.35	15	10.8	Clear	Clear	None
0800	625	15.6	511	4.4	-220	0.33	20	10.8	Clear	Clear	None
0805	625	15.6	411	4.0	-194	0.24	25	9.9	Clear	Clear	None
0810	625	15.9	345	3.5	-136	0.22	32	8.5	Cloudy	White	None
0815	625	15.9	348	3.2	-125	0.23	30	8.4	Cloudy	White	None
0820	625	16.0	349	2.9	-117	0.23	28	8.2	Cloudy	White	None
0825	625	16.0	351	2.8	-109	0.23	23	8.1	Clear	Clear	None
0830	625	16.1	351	2.6	-109	0.23	20	8.1	Clear	Clear	None
0835	625	16.2	350	2.4	-107	0.23	18	8.2	Clear	Clear	None
0840	625	16.3	349	2.3	-107	0.23	17	8.2	Clear	Clear	None
0845	625	16.4	349	2.3	-107	0.23	18	8.2	Clear	Clear	None
0850	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	6250		No								
QA/QC Samples									Signature 		



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Station Name/Sample ID

OLF-G70

Project

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Project Number

20.094.21-05.3

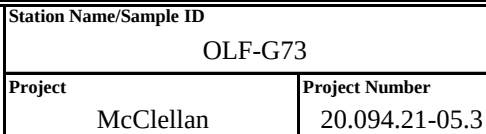
GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
61.04		D. Abernathy	11/12/2020
Well Depth (TOC)		Location (Site)	Begin Time
400		LF3	11:15
Water Column Thickness	Equipment	Laboratory	Sample Depth
338.96		TestAmerica	295
	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4		63°	YSI Pro Plus #2
Casing Volume	Weather Conditions	Geotech Water Level Meter	
220.32		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)		11/12/2020	N/A
722.11	Overcast	Product Observed (yes/no)	Depth to product
Groundwater Elevation		N/A	N/A
661.07	Parameter Stabilization		
	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1115	0	18.7	353	4.0	-16	0.23	1	7.6	Clear	Clear	None
1120	750	18.8	350	3.6	-26	0.23	3	7.6	Clear	Clear	None
1125	750	18.9	349	3.3	-29	0.23	3	7.6	Clear	Clear	None
1130	750	18.9	349	3.0	-29	0.23	6	7.6	Clear	Clear	None
1135	750	18.9	350	2.9	-31	0.23	6	7.6	Clear	Clear	None
1140	750	18.9	350	2.8	-33	0.23	4	7.6	Clear	Clear	None
1145	750	18.9	349	2.7	-34	0.23	2	7.6	Clear	Clear	None
1150	750	18.9	349	2.7	-34	0.23	2	7.6	Clear	Clear	None
1155	750	19.0	349	2.6	-36	0.23	0	7.6	Clear	Clear	None
1200	750	19.0	349	2.7	-38	0.23	0	7.6	Clear	Clear	None
1205	750	19.0	349	2.6	-38	0.23	0	7.6	Clear	Clear	None

1210	Collect Sample										
Total Time (min.) 55	Total Volume Removed 7500	Well pumped dry (yes/no) No		Notes							

QA/QC Samples Dup362	Signature



Groundwater Depth (TOC)	Sample Method FLUTe well purge	Sampler J. Tulley	Date 11/10/2020
Well Depth (TOC)		Location (Site) LF3	Begin Time 12:30
Water Column Thickness		Laboratory TestAmerica	Sample Depth Sampled from Ports
		Sample Suite See COCs	
Casing Diameter	Temperature (°F) 79°	Meters YSI Pro Plus	Serial numbers
Casing Volume	Weather Conditions Sunny	Solinst Water Level Meter	
		Geotech Geocontrol PRO	
		Calibration Field	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC)	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	11/10/2020	N/A
Groundwater Elevation		Product Observed (yes/no) N/A	Depth to product N/A

Page 1 of 1



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G75 Screen 1

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
71.81 feet			
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
300.5 feet		LF3	08:30
Water Column Thickness	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	Sample Depth
228.69 feet		TestAmerica	90
Casing Diameter	Weather Conditions	Sample Suite	
2 inches		See COCs	
Casing Volume	Overcast	Meters	Serial numbers
36.59 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		YSI Pro Plus #2	Geotech Water Level Meter
Well Elevation (TOC)	Parameter Stabilization	Calibration	Ferrous Iron (Fe II) (mg/L)
749.89 feet		Field	N/A
Groundwater Elevation	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	Depth to product
678.08 feet		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
0850	2500	22.9	29	3.8	142	0.02	44	4.9	Cloudy	White	None
0855	500	23.0	27	3.7	144	0.02	54	4.8	Cloudy	White	None
0900	500	23.1	26	3.5	147	0.02	60	4.8	Cloudy	White	None
0905	500	23.2	26	3.4	149	0.02	56	4.9	Cloudy	White	None
0910	500	23.3	26	3.4	147	0.02	50	4.9	Cloudy	White	None
0915	500	23.4	26	3.3	147	0.02	44	4.8	Cloudy	White	None
0920	500	23.4	26	3.3	145	0.02	39	4.8	Cloudy	White	None
0925	500	23.5	26	3.3	144	0.02	32	4.8	Cloudy	White	None
0930	500	23.7	26	3.2	142	0.02	29	4.8	Cloudy	White	None
0935	500	24.0	26	3.2	140	0.02	28	4.8	Cloudy	White	None
0940	500	24.1	26	3.3	139	0.02	28	4.8	Cloudy	White	None

0945	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	7500	No		Purged 2500ml from tubing							

QA/QC Samples	Signature										
DUP363											



Matrix Environmental Services
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Station Name/Sample ID

OLF-G75 Screen 2

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 71.81 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/11/2020
Well Depth (TOC) 300.5 feet		Location (Site) LF3	Begin Time 07:20
Water Column Thickness 228.69 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory TestAmerica	Sample Depth 130
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 36.59 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	Serial numbers
Well Elevation (TOC) 749.89 feet		Calibration Field 11/11/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 678.08 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
0730	0	21.7	463	4.2	34	0.30	201	7.4	Cloudy	Brown	None
0735	500	21.3	463	4.1	34	0.30	177	7.3	Cloudy	Brown	None
0740	500	21.0	400	3.4	40	0.22	124	7.1	Cloudy	Brown	None
0745	500	20.9	206	3.8	78	0.14	102	6.4	Cloudy	Brown	None
0750	500	20.8	76	4.0	116	0.04	74	5.7	Cloudy	Brown	None
0755	500	20.9	40	3.9	146	0.02	47	5.3	Cloudy	Brown	None
0800	500	21.0	35	4.0	154	0.02	25	5.1	Cloudy	Brown	None
0805	500	21.1	30	3.9	158	0.02	14	4.9	Clear	Clear	None
0810	500	21.2	31	4.0	156	0.02	13	4.9	Clear	Clear	None
0815	500	21.2	31	4.0	154	0.02	13	4.9	Clear	Clear	None
0820	500	21.4	31	4.0	153	0.02	13	4.9	Clear	Clear	None

0825

Collect Sample

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

QA/QC Samples
DUP361

Signature



Matrix Environmental Services
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Station Name/Sample ID

OLF-G75 Screen 3

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	71.81	feet	Sample Method	Sampler	Date
Well Depth (TOC)	300.5	feet			
Water Column Thickness	228.69	feet	Equipment	Laboratory	Sample Depth
Casing Diameter	2	inches	Temperature (°F)	Meters	Serial numbers
Casing Volume	36.59	gallons			
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4			Weather Conditions	Calibration	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC)	749.89	feet			
Groundwater Elevation	678.08	feet	Parameter Stabilization	Product Observed (yes/no)	Depth to product

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	19.0	348	8.9	107	0.25	51	7.1	Cloudy	Brown	None
1350	500	19.0	419	7.5	92	0.28	194	7.1	Cloudy	Brown	None
1355	500	18.9	433	5.7	77	0.28	200	7.2	Cloudy	Brown	None
1400	500	18.8	452	3.9	62	0.29	206	7.3	Cloudy	Brown	None
1405	500	18.8	455	3.1	58	0.29	247	7.3	Cloudy	Brown	None
1410	500	18.7	454	2.7	53	0.29	270	7.3	Cloudy	Brown	None
1415	500	18.7	453	2.3	49	0.29	285	7.3	Cloudy	Brown	None
1420	500	18.6	452	2.0	46	0.29	296	7.3	Cloudy	Brown	None
1425	500	18.4	452	1.9	43	0.29	312	7.3	Cloudy	Brown	None
1430	500	18.3	452	1.7	40	0.29	320	7.3	Cloudy	Brown	None
1435	500	18.2	452	1.5	38	0.29	321	7.3	Cloudy	Brown	None
1440	500	18.2	452	1.4	34	0.29	325	7.3	Cloudy	Brown	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	5500	No		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 4

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	71.81	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/10/2020
Well Depth (TOC)	300.5	feet						
Water Column Thickness	228.69	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	210
Casing Diameter	2	inches						
Casing Volume	36.59	gallons	Weather Conditions	Overcast	Meters	YSI Pro Plus #2	Serial numbers	Geotech Water Level Meter
Well Elevation (TOC)	749.89	feet						
Groundwater Elevation	678.08	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
1120	2400	22.4	460	1.0	18	0.30	377	7.4	Cloudy	Brown	None
1125	750	22.4	455	1.2	25	0.30	459	7.4	Cloudy	Brown	None
1130	750	22.4	454	1.1	22	0.30	745	7.4	Cloudy	Brown	None
1135	750	22.4	453	1.1	19	0.30	837	7.4	Cloudy	Brown	None
1140	750	22.3	453	1.1	16	0.29	837	7.4	Cloudy	Brown	None
1145	750	22.3	454	1.1	17	0.30	836	7.4	Cloudy	Brown	None
1150	750	22.1	454	1.1	18	0.30	816	7.4	Cloudy	Brown	None
1155	750	22.1	454	1.1	18	0.30	808	7.4	Cloudy	Brown	None
1200	750	22.2	455	1.1	17	0.30	802	7.4	Cloudy	Brown	None
1205	750	22.3	454	1.1	20	0.30	793	7.4	Cloudy	Brown	None
1210	750	22.3	455	1.1	24	0.30	783	7.4	Cloudy	Brown	None
1215	750	22.3	454	1.0	28	0.30	800	7.3	Cloudy	Brown	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
55	10650	No				Purged 2400ml of water from tubing					
QA/QC Samples									Signature 		



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

OLF-G75 Screen 5

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)		Sample Method	Sampler	Date
71.81	feet	Low Flow	D. Abernathy	11/10/2020
Well Depth (TOC)			Location (Site)	Begin Time
300.5	feet	Equipment	LF3	09:15
Water Column Thickness		Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	Sample Depth
228.69	feet		TestAmerica	250
			Sample Suite	
			See COCs	
Casing Diameter		Temperature (°F)	Meters	Serial numbers
2	inches	70°	YSI Pro Plus #2	
Casing Volume		Weather Conditions	Geotech Water Level Meter	
36.59	gallons		Calibration	Ferrous Iron (Fe II) (mg/L)
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Overcast	Field	
Well Elevation (TOC)			11/10/2020	N/A
749.89	feet	Parameter Stabilization	Product Observed (yes/no)	Depth to product
Groundwater Elevation		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A
678.08	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	2400	21.1	463	1.5	28	0.30	284	7.4	Cloudy	Brown	None
0935	600	21.2	456	2.0	41	0.30	256	7.4	Cloudy	Brown	None
0940	600	21.1	455	1.9	42	0.30	241	7.4	Cloudy	Brown	None
0945	600	21.1	455	1.6	36	0.30	265	7.4	Cloudy	Brown	None
0950	600	21.2	455	1.4	31	0.30	293	7.4	Cloudy	Brown	None
0955	600	21.1	456	1.3	29	0.30	287	7.4	Cloudy	Brown	None
1000	600	21.0	455	1.2	28	0.30	273	7.4	Cloudy	Brown	None
1005	600	20.9	455	1.1	25	0.30	260	7.4	Cloudy	Brown	None
1010	600	21.0	456	1.1	24	0.30	250	7.4	Cloudy	Brown	None
1015	600	21.0	456	1.1	23	0.30	232	7.4	Cloudy	Brown	None
1020	600	21.1	457	1.1	23	0.30	214	7.4	Cloudy	Brown	None
1025	600	21.1	458	1.2	22	0.30	200	7.4	Cloudy	Brown	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	9000	No		Purged 2400ml from tubing							

QA/QC Samples

Signature



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

Station Name/Sample ID

OLF-G75 Screen 6

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)		Sample Method	Sampler	Date
71.81	feet	Low Flow	D. Abernathy	11/10/2020
Well Depth (TOC)			Location (Site)	Begin Time
300.5	feet	Equipment	LF3	07:45
Water Column Thickness		Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	Sample Depth
228.69	feet		TestAmerica	290
			Sample Suite	
			See COCs	
Casing Diameter		Temperature (°F)	Meters	Serial numbers
2	inches	70°	YSI Pro Plus #2	
Casing Volume		Weather Conditions	Geotech Water Level Meter	
36.59	gallons		Calibration	Ferrous Iron (Fe II) (mg/L)
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Overcast	Field	
Well Elevation (TOC)			11/10/2020	N/A
749.89	feet	Parameter Stabilization	Product Observed (yes/no)	Depth to product
Groundwater Elevation		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A
678.08	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
0750	0	19.2	388	6.2	112	0.27	31	6.6	Cloudy	White	None
0755	600	19.2	440	3.9	92	0.29	28	6.9	Clear	Clear	None
0800	600	19.3	455	5.4	90	0.30	26	7.2	Clear	Clear	None
0805	600	19.2	457	4.9	87	0.30	195	7.2	Cloudy	Brown	None
0810	600	19.1	455	4.1	74	0.30	286	7.2	Cloudy	Brown	None
0815	600	19.0	456	3.0	58	0.30	278	7.3	Cloudy	Brown	None
0820	600	19.0	460	2.6	56	0.30	234	7.3	Cloudy	Brown	None
0825	600	18.9	460	2.4	53	0.30	224	7.3	Cloudy	Brown	None
0830	600	18.9	460	2.1	47	0.30	215	7.3	Cloudy	Brown	None
0835	600	19.0	459	1.9	41	0.30	199	7.3	Cloudy	Brown	None
0840	600	18.9	459	1.7	39	0.30	188	7.3	Cloudy	Brown	None
0845	600	18.9	459	1.7	38	0.30	187	7.3	Clear	Brown	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	6600	No									

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G77

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 61.28 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/10/2020
Well Depth (TOC) 84.5 feet		Location (Site) LF3	Begin Time 8:15
Water Column Thickness 23.22 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 79
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 72	Meters YSI Pro Plus	Serial numbers
Casing Volume 15.09 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Solinst Water Level Meter	
		Geotech Geocontrol PRO	
Well Elevation (TOC) 747.04 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 685.76 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
8:55	0	19.7	341	1.9	177	0.22	30	5.6	Clear	Clear	None
9:00	450	20.2	340	2.4	171	0.22	20	5.7	Clear	Clear	None
9:05	450	20.2	345	2.6	169	0.22	17	5.7	Clear	Clear	None
9:10	450	20.0	347	2.2	167	0.23	14	5.8	Clear	Clear	None
9:15	450	20.2	354	2.2	162	0.23	7	5.8	Clear	Clear	None
9:20	450	20.5	357	2.0	159	0.23	4	5.8	Clear	Clear	None
9:25	450	20.4	358	1.8	158	0.23	6	5.8	Clear	Clear	None
9:30	450	20.4	358	1.6	158	0.23	7	5.8	Clear	Clear	None
9:35	450	20.5	358	1.6	158	0.23	5	5.8	Clear	Clear	None
9:36	Collecting Sample Suite										
Total Time (min.) 40	Total Volume Removed 3600	Well pumped dry (yes/no) No		Notes							

QA/QC Samples
DUP365

Signature



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

Station Name/Sample ID

OLF-G78

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 69.23 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/10/2020
Well Depth (TOC) 85 feet		Location (Site) LF3	Begin Time 9:50
Water Column Thickness 15.77 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 80
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 10.25 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 748.99 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 679.76 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
10:20	0	21.3	95	2.3	209	0.06	30	5.3	Clear	Clear	None
10:25	450	21.4	95	2.3	208	0.06	24	5.3	Clear	Clear	None
10:30	450	21.5	96	2.3	213	0.06	13	5.3	Clear	Clear	None
10:35	450	21.5	97	2.6	216	0.06	15	5.2	Clear	Clear	None
10:40	450	21.2	97	2.2	217	0.06	12	5.2	Clear	Clear	None
10:45	450	21.2	97	2.6	222	0.06	10	5.2	Clear	Clear	None
10:50	450	21.1	97	2.2	220	0.06	10	5.2	Clear	Clear	None
10:55	450	21.2	97	2.2	222	0.06	9	5.2	Clear	Clear	None
10:56	Collecting Sample Suite										

Total Time (min.) 35	Total Volume Removed 3150	Well pumped dry (yes/no) No	Notes
QA/QC Samples N/A			Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

PPMP-229-GP12

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 28.92 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/11/2020
Well Depth (TOC) 168 feet		Location (Site) LF3	Begin Time 13:50
Water Column Thickness 139.08 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory TestAmerica	Sample Depth 163
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 90.40 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	
Well Elevation (TOC) 743.79 feet		Calibration Field 11/11/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 714.87 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	20.1	232	2.4	-136	0.15	2	10.4	Clear	Clear	None
1355	750	20.9	233	2.3	-142	0.15	1	10.4	Clear	Clear	None
1400	750	21.7	234	2.0	-148	0.15	1	10.5	Clear	Clear	None
1405	750	21.3	236	1.8	-147	0.15	0	10.5	Clear	Clear	None
1410	750	20.9	236	1.8	-145	0.15	0	10.4	Clear	Clear	None
1415	750	20.7	235	1.8	-140	0.15	0	10.4	Clear	Clear	None
1420	750	20.7	235	1.7	-138	0.15	0	10.4	Clear	Clear	None
1425	750	20.6	235	1.7	-135	0.15	0	10.4	Clear	Clear	None
1430	750	20.5	235	1.7	-134	0.15	0	10.4	Clear	Clear	None
1435	Collect Sample										
Total Time (min.) 45	Total Volume Removed 6000	Well pumped dry (yes/no) No		Notes							

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

20.094.21-05.3

GROUNDWATER LEVELS

Field Personnel

Tulley/Abernathy

Measuring Equipment

Solinst Water Level Meter

Date

5/5/2021

Conditions

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
LF4-MW01	4 inch	5/5/2021	9:30	14.21	40	25.79	DA
LF4-MW02	4 inch	5/5/2021	9:39	18.80	40.25	21.45	DA
LF4-MW03	4 inch	5/5/2021	9:44	10.40	34.2	23.8	DA
LF4-MW04	4 inch	5/5/2021	9:50	4.81	26.8	21.99	DA
LF4-MW05	4 inch	5/5/2021	10:01	8.41	34.6	26.19	DA
OLF-G04	4 inch	5/5/2021	10:54	43.52	60.5	16.98	DA
OLF-G05	4 inch	5/5/2021	9:15	36.21	60.4	24.19	JT
OLF-G06	4 inch	5/5/2021	11:05	66.72	72.58	5.86	DA
OLF-G07	4 inch	5/5/2021	11:09	43.89	62.5	18.61	DA
OLF-G08	4 inch	5/5/2021	9:25	33.07	45	11.93	JT
OLF-G09	4 inch	5/5/2021	10:45	27.26	32	4.74	DA
OLF-G10	4 inch	5/5/2021	10:08	15.35	28	12.65	DA
OLF-G12	4 inch	5/5/2021	9:50	62.81	87	24.19	JT
OLF-G16	4 inch	5/5/2021	11:35	35.46	37.45	1.99	DA
OLF-G17	4 inch	5/5/2021	11:25	23.97	42	18.03	DA
OLF-G18	4 inch	5/5/2021	10:25	41.26	58.3	17.04	JT
OLF-G19	4 inch	5/5/2021	10:20	47.81	68	20.19	JT
OLF-G20	4 inch	5/5/2021	11:14	54.24	175	120.76	DA
OLF-G21	4 inch	5/5/2021	10:30	53.28	175	121.72	JT
OLF-G22	4 inch	5/5/2021	9:55	64.13	175	110.87	JT
OLF-G23	4 inch	5/5/2021	10:00	61.60	175	113.4	JT
OLF-G24	4 inch	5/5/2021	10:05	62.82	95	32.18	JT
OLF-G25	4 inch	5/5/2021	10:10	53.82	175.5	121.68	JT
OLF-G26	4 inch	5/5/2021	10:15	61.50	100	38.50	JT



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

Project Name

McClellan

Project Number

20.094.21-05.3

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G27	4 inch	5/5/2021	8:32	85.43	300	214.57	JT
OLF-G28	4 inch	5/5/2021	8:37	77.21	150	72.79	JT
OLF-G29	4 inch	5/5/2021	8:41	87.35	222.5	135.15	JT
OLF-G30	4 inch	5/5/2021	8:46	88.43	297.2	208.77	JT
OLF-G31	4 inch	5/5/2021	8:52	98.52	225	126.48	JT
OLF-G32	4 inch	5/5/2021	8:55	110.36	182	71.64	JT
OLF-G35	4 inch	5/5/2021	9:45	61.47	260	198.53	JT
OLF-G36	4 inch	5/5/2021	9:40	63.59	258.8	195.21	JT
OLF-G37	4 inch	5/5/2021	11:50	69.29	204	134.71	DA
OLF-G40	2 inch	5/5/2021	9:34	15.22	125	109.78	DA
OLF-G41	2 inch	5/5/2021	10:05	18.09	85.7	67.61	DA
OLF-G42	2 inch	5/5/2021	10:50	66.48	174.5	108.02	DA
OLF-G43	2 inch	5/5/2021	9:15	88.52	220.6	132.08	JT
OLF-G44	2 inch	5/5/2021	9:20	90.98	295.1	204.12	JT
OLF-G45	2 inch	5/5/2021	8:44	34.39	182	147.61	DA
OLF-G46	2 inch	5/5/2021	8:39	37.69	250	212.31	DA
OLF-G47	2 inch	5/5/2021	9:10	56.13	322	265.87	JT
OLF-G48	2 inch	5/5/2021	9:05	65.14	405	339.86	JT
OLF-G49	2 inch	5/5/2021	9:20	76.72	110	33.28	JT
OLF-G50	2 inch	5/5/2021	9:25	77.21	159	81.79	JT
OLF-G51	2 inch	5/5/2021	9:30	74.01	259	184.99	JT
OLF-G52	2 inch	5/5/2021	9:00	57.86	377.5	319.64	JT
OLF-G53	2 inch	5/5/2021	8:25	37.63	88.5	50.87	DA
OLF-G54	2 inch	5/5/2021	9:16	12.11	37.22	25.11	DA
OLF-G55	2 inch	5/5/2021	9:20	20.90	80.4	59.5	DA
OLF-G56	2 inch	5/5/2021	9:57	21.35	40.5	19.15	DA
OLF-G57	2 inch	5/5/2021	9:54	21.66	65.4	43.74	DA

*Unable to get water level due to obstruction.



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

Project Name

McClellan

Project Number

20.094.21-05.3

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G58	2 inch	5/5/2021	10:29	10.68	29	18.32	DA
OLF-G66	4 inch	5/5/2021	10:11	18.35	105	86.65	DA
OLF-G67	4 inch	5/5/2021	10:14	18.13	149	130.87	DA
OLF-G68	4 inch	5/5/2021	10:25	29.69	133	103.31	DA
OLF-G69	4 inch	5/5/2021	10:20	23.76	177.5	153.74	DA
OLF-G70	4 inch	5/5/2021	8:50	57.38	400	342.62	JT
OLF-G75	2 inch	5/5/2021	11:05	67.63	300.5	232.87	JT
OLF-G76	2 inch	5/5/2021	10:59	65.96	277	211.04	DA
OLF-G77	2 inch	5/5/2021	11:15	58.28	84.5	26.22	JT
OLF-G78	2 inch	5/5/2021	11:10	65.48	85	19.52	JT
OLF-G79	2 inch	5/5/2021	11:20	63.67	300.5	236.83	JT
PPMP-229-GP08	4 inch	5/5/2021	9:02	16.29	205.4	189.11	DA
PPMP-229-GP09	4 inch	5/5/2021	9:05	6.45	40	33.55	DA
PPMP-229-GP10	4 inch	5/5/2021	8:58	7.10	58	50.9	DA
PPMP-229-GP11	4 inch	5/5/2021	8:12	23.95	75	51.05	DA
PPMP-229-GP12	4 inch	5/5/2021	8:15	23.64	168	144.36	DA
PPMP-229-GP13	4 inch	5/5/2021	8:33	30.94	45	14.06	DA
PPMP-229-GP14	4 inch	5/5/2021	8:36	33.50	64	30.5	DA

* Unable to get water level meter in port.



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G07

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	43.59	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/12/2021
Well Depth (TOC)	62.5	feet						
Water Column Thickness	18.91	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	57
Casing Diameter	4	inches						
Casing Volume	12.29	gallons	Weather Conditions	Overcast	Meters	YSI Pro Plus #2 Geotech Water Level Meter	Serial numbers	
Well Elevation (TOC)	741.36	feet						
Groundwater Elevation	697.77	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
0855	0	15.4	71	8.8	193	0.05	3	5.9	Clear	Clear	None
0900	600	16.2	66	5.1	175	0.04	2	5.0	Clear	Clear	None
0905	600	16.3	63	3.8	160	0.04	1	4.5	Clear	Clear	None
0910	600	16.3	63	3.6	155	0.04	0	4.5	Clear	Clear	None
0915	600	16.3	63	3.6	151	0.04	0	4.6	Clear	Clear	None
0920	600	16.2	63	3.5	148	0.04	0	4.6	Clear	Clear	None
0925	600	16.3	63	3.5	146	0.04	0	4.6	Clear	Clear	None
0930	600	16.3	63	3.4	146	0.04	0	4.6	Clear	Clear	None
0935	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
40	4200	No									

QA/QC Samples
MS/MSD

Signature



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Station Name/Sample ID

OLF-G12

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 62.62 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/6/2021
Well Depth (TOC) 87 feet		Location (Site) LF3	Begin Time 0945
Water Column Thickness 24.38 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 80
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 15.85 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 63°	Meters YSI Pro Plus#2	
Well Elevation (TOC) 745.43 feet		Serial numbers Geotech Water Level Meter	
Groundwater Elevation 682.81 feet	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
		5/6/2021	
	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
1000	0	18.2	63	1.7	253	0.04	6	4.9	Clear	Clear	None
1005	625	18.5	62	1.4	237	0.04	11	5.0	Clear	Clear	None
1010	625	18.7	62	1.4	231	0.04	12	5.0	Clear	Clear	None
1015	625	18.8	62	1.3	226	0.04	15	5.0	Clear	Clear	None
1020	625	18.7	62	1.2	219	0.04	16	5.0	Clear	Clear	None
1025	625	18.9	62	1.2	212	0.04	14	5.0	Clear	Clear	None
1030	625	19.1	63	1.2	207	0.04	12	5.0	Clear	Clear	None
1035	625	19.4	64	1.2	197	0.04	10	5.0	Clear	Clear	None
1040	625	19.3	65	1.1	195	0.04	8	5.0	Clear	Clear	None
1045	625	19.2	65	1.1	194	0.04	8	5.1	Clear	Clear	None
1050	625	19.6	66	1.1	193	0.04	8	5.1	Clear	Clear	None

1055	Collect Sample										
Total Time (min.) 55	Total Volume Removed 6250	Well pumped dry (yes/no) No		Notes							

QA/QC Samples	Signature



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Station Name/Sample ID

OLF-G16

Project

McClellan

Project Number

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 35.44 feet	Sample Method Baler	Sampler D. Abernathy	Date 5/11/2021
Well Depth (TOC) 37.52 feet		Location (Site) LF3	Begin Time 0900
Water Column Thickness 2.08 feet	Equipment Geotech Geocontro Pro Geotech Bladder Pump Baler	Laboratory TestAmerica	Sample Depth 36
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 1.35 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 59	Meters YSI Pro Plus#2	Serial numbers Geotech Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 738.51 feet	Weather Conditions Overcast	Calibration Field 5/11/2021 5/12/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 703.07 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
0900	0	17.7	197	5.1	149	0.13	126	6.1	Cloudy	White	None
0940	10500	Pumped Well Dry									
5/12/2021		WL: 35.49		Grab Sample with Baler							
1025	500	16.7	172	4.5	158	0.11	169	6.1	Cloudy	Brown	None

Historically this is a dry well. Pumped the well dry on 5/11/2021 and collected a sample with a baler on 5/12/2021

Total Time (min.) 45	Total Volume Removed 11000	Well pumped dry (yes/no) Yes	Notes First time able to collect a sample. Did not low flow.

QA/QC Samples

Signature



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OLF-G18

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	41.31	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/6/2021
Well Depth (TOC)	58	feet						
Water Column Thickness	16.69	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	52
Casing Diameter	4	inches						
Casing Volume	10.85	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus	Serial numbers	Geotech Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC)	741.6	feet						
Groundwater Elevation	700.29	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
1320	0	23.0	111	1.4	-9	0.07	21	5.1	Clear	Clear	None
1325	500	23.1	108	1.1	-27	0.07	19	5.2	Clear	Clear	None
1330	500	23.1	109	0.9	-48	0.07	16	5.2	Clear	Clear	None
1335	500	23.2	109	0.7	-52	0.07	14	5.3	Clear	Clear	None
1340	500	23.3	109	0.6	-61	0.07	13	5.3	Clear	Clear	None
1345	500	23.4	109	0.5	-70	0.07	11	5.3	Clear	Clear	None
1350	500	23.2	108	0.4	-70	0.07	10	5.2	Clear	Clear	None
1355	500	23.0	108	0.4	-69	0.07	10	5.2	Clear	Clear	None
1400	500	23.2	107	0.4	-72	0.07	9	5.2	Clear	Clear	None
1405	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	4000		No								
QA/QC Samples								Signature 			



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OLF-G19

Project

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20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
49.11 feet	Low Flow	D. Abernathy	5/6/2021
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
68 feet	Geotech Bladder Pump Geotech Geocontrol PRO	LF3	1145
Water Column Thickness		Laboratory	Sample Depth
18.89 feet		TestAmerica	62
		Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4 inches	66°	YSI Pro Plus#2	
Casing Volume	Weather Conditions		
12.28 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC)		Field	
744.08 feet		5/6/2021	N/A
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
694.97 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
1150	0	23.0	77	4.7	142	0.05	20	5.2	Clear	Clear	None
1155	425	23.2	71	3.0	154	0.05	18	5.1	Clear	Clear	None
1200	425	23.4	67	1.9	166	0.04	16	5.0	Clear	Clear	None
1205	425	23.0	68	1.9	160	0.04	15	4.9	Clear	Clear	None
1210	425	23.1	67	1.8	156	0.04	15	5.0	Clear	Clear	None
1215	425	23.5	67	1.8	151	0.04	15	5.0	Clear	Clear	None
1220	425	23.8	67	1.8	144	0.04	15	5.0	Clear	Clear	None
1225	425	23.8	67	1.8	142	0.04	15	5.0	Clear	Clear	None
1230	425	23.8	67	1.7	139	0.04	15	5.0	Clear	Clear	None
1235	425	23.9	67	1.7	138	0.04	14	5.0	Clear	Clear	None
1240	425	24.0	66	1.7	136	0.04	14	5.0	Clear	Clear	None

1245	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)	Notes								
55	4250	No									

QA/QC Samples	Signature



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OLF-G20

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/11/2021	
53.79 feet		Location (Site) LF3	Begin Time 1540	
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 162
175 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 73°	Meters Serial numbers		
121.21 feet		YSI Pro Plus #2 Geotech Water Level Meter		
Casing Diameter		Weather Conditions	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
4 inches				
Casing Volume				
78.79 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	5/11/2021	N/A	
741.43 feet		Product Observed (yes/no) N/A	Depth to product N/A	
Groundwater Elevation				
687.64 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
1545	0	18.2	721	1.4	-113	0.45	1	7.0	Clear	Clear	None
1550	625	18.2	723	1.1	-115	0.47	1	7.0	Clear	Clear	None
1555	625	18.2	726	1.0	-117	0.47	1	7.0	Clear	Clear	None
1600	625	18.2	729	0.7	-126	0.47	2	7.0	Clear	Clear	None
1605	625	18.1	730	0.6	-132	0.47	2	7.0	Clear	Clear	None
1610	625	18.1	730	0.5	-137	0.47	2	7.0	Clear	Clear	None
1615	625	18.2	731	0.5	-142	0.47	2	7.0	Clear	Clear	None
1620	625	18.1	730	0.5	-147	0.47	1	7.0	Clear	Clear	None
1625	625	18.1	730	0.4	-150	0.47	1	7.0	Clear	Clear	None
1630	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5000		No								
QA/QC Samples									Signature 		



Matrix Environmental Services
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D.Abernathy

OLF-G21

Project

McClellan

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/6/2021	
53.09 feet		Location (Site) LF3	Begin Time 1425	
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 162
175 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 72°	Meters Serial numbers		
121.91 feet		YSI Pro Plus #2 Geotech Water Level Meter		
Casing Diameter		Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
4 inches				
Casing Volume	5/6/2021		Depth to product N/A	
79.24 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)	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Depth to product N/A		
742.57 feet				
Groundwater Elevation				
689.48 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
1435	0	21.6	338	1.6	-168	0.22	17	8.7	Clear	Clear	None
1440	500	22.4	414	3.3	-128	0.27	13	7.7	Clear	Clear	None
1445	500	22.2	444	2.0	-138	0.29	9	7.2	Clear	Clear	None
1450	500	22.5	454	1.5	-150	0.30	4	7.2	Clear	Clear	None
1455	500	22.1	458	1.2	-160	0.30	2	7.1	Clear	Clear	None
1500	500	22.4	459	0.8	-171	0.30	2	7.1	Clear	Clear	None
1505	500	22.3	458	0.8	-175	0.30	2	7.1	Clear	Clear	None
1510	500	22.2	458	0.7	-179	0.30	2	7.2	Clear	Clear	None
1515	500	22.3	458	0.7	-181	0.30	2	7.2	Clear	Clear	None
1520	500	22.3	458	0.7	-184	0.30	2	7.2	Clear	Clear	None
1525	500	22.3	458	0.6	-185	0.30	2	7.2	Clear	Clear	None

1530	Collect Sample										
Total Time (min.) 55	Total Volume Removed 5000	Well pumped dry (yes/no) No		Notes							

QA/QC Samples	Signature



Matrix Environmental Services
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Station Name/Sample ID

OLF-G22

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 63.99 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/6/2021
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 0800
Water Column Thickness 111.01 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 72.16 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	
Well Elevation (TOC) 746.54 feet		Calibration Field 5/6/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 682.55 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
0815	0	16.2	221	3.4	216	0.16	4.0	6.6	Clear	Clear	None
0820	625	16.5	331	5.5	163	0.22	2.4	6.4	Clear	Clear	None
0825	625	16.7	363	4.4	155	0.24	1.6	6.3	Clear	Clear	None
0830	625	16.6	376	3.0	148	0.25	1.8	6.2	Clear	Clear	None
0835	625	16.6	375	2.1	146	0.24	1.9	6.2	Clear	Clear	None
0840	625	17.0	374	1.5	139	0.24	1.9	6.2	Clear	Clear	None
0845	625	17.2	370	1.0	131	0.24	2.0	6.2	Clear	Clear	None
0850	625	17.5	368	1.0	129	0.24	2.1	6.3	Clear	Clear	None
0855	625	17.3	365	0.9	128	0.24	2.1	6.2	Clear	Clear	None
0900	625	17.6	364	0.9	124	0.24	2.0	6.2	Clear	Clear	None
0905	625	17.7	364	0.9	123	0.24	1.9	6.3	Clear	Clear	None
0910	Collect Sample										
Total Time (min.) 55	Total Volume Removed 6250		Well pumped dry (yes/no) No			Notes					
QA/QC Samples Dup374									Signature 		



Matrix Environmental Services
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OLF-G23

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	61.35	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/7/2021
Well Depth (TOC)	175	feet						
Water Column Thickness	113.65	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	162
Casing Diameter	4	inches						
Casing Volume	73.87	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus #2 GeotechWater Level Meter	Serial numbers	
Well Elevation (TOC)	743.89	feet						
Groundwater Elevation	682.54	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
0855	0	17.3	179	7.7	170	0.12	5.6	6.5	Clear	Clear	None
0900	500	17.0	223	8.0	168	0.14	4.4	6.1	Clear	Clear	None
0905	500	16.8	278	6.4	171	0.18	3.9	5.8	Clear	Clear	None
0910	500	16.9	305	4.3	168	0.20	3.4	5.8	Clear	Clear	None
0915	500	17.0	322	3.1	165	0.21	2.9	5.8	Clear	Clear	None
0920	500	17.1	326	2.4	160	0.21	1.8	5.9	Clear	Clear	None
0925	500	17.2	328	1.9	156	0.21	1.3	5.9	Clear	Clear	None
0930	500	17.3	330	1.6	150	0.21	1.2	6.0	Clear	Clear	None
0935	500	17.4	330	1.3	145	0.21	1.1	6.0	Clear	Clear	None
0940	500	17.4	331	1.3	141	0.22	1.1	6.0	Clear	Clear	None
0945	500	17.6	330	1.1	139	0.21	1.2	6.0	Clear	Clear	None
0950	500	17.8	330	1.1	135	0.22	1.2	6.0	Clear	Clear	None
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	5500		No			Continued on page 2					
QA/QC Samples									Signature 		



Matrix Environmental Services
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Station Name/Sample ID

OLF-G24

Project

McClellan

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 62.51 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/7/2021
Well Depth (TOC) 95 feet		Location (Site) LF3	Begin Time 1100
Water Column Thickness 32.49 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 87
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 21.12 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 64°	Meters YSI Pro Plus#2 Geotech Water Level Meter	Serial numbers
Well Elevation (TOC) 743.89 feet	Weather Conditions Sunny	Calibration Field 5/7/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 681.38 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
1105	0	19.8	49	3.3	182	0.03	46	5.0	Cloudy	White	None
1110	500	19.3	48	2.5	185	0.03	47	4.9	Cloudy	White	None
1115	500	19.7	47	2.4	169	0.03	44	5.0	Cloudy	White	None
1120	500	19.6	47	2.2	165	0.03	41	5.0	Cloudy	White	None
1125	500	19.9	47	2.1	155	0.03	39	5.0	Cloudy	White	None
1130	500	20.2	47	2.1	143	0.03	38	5.0	Cloudy	White	None
1135	500	20.7	48	2.0	140	0.03	37	5.0	Cloudy	White	None
1140	500	20.6	48	2.0	142	0.03	38	5.0	Cloudy	White	None
1145	500	20.5	48	1.9	141	0.03	38	5.0	Cloudy	White	None
1150	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	4000		No								
QA/QC Samples									Signature 		



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

Station Name/Sample ID

OLF-G26

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
61.04 feet		D. Abernathy	5/10/2021
Well Depth (TOC)	Low Flow	Location (Site)	Begin Time
100 feet		LF3	1500
Water Column Thickness	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	Sample Depth
38.96 feet		TestAmerica	92
Casing Diameter	Temperature (°F)	Sample Suite	
		See COCs	
4 inches	70°	Meters	Serial numbers
Casing Volume		YSI Pro Plus#2	Geotech Water Level Meter
25.32 gallons	Weather Conditions		
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Overcast	Calibration
Well Elevation (TOC)	Field		5/10/2021
745.04 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		
Groundwater Elevation		684 feet	Product Observed (yes/no)
	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
1500	0	21.3	201	4.1	97	0.13	6	6.7	Clear	Clear	None
1505	550	21.5	198	1.8	88	0.13	4	6.4	Clear	Clear	None
1510	550	23.1	198	2.0	79	0.13	3	6.3	Clear	Clear	None
1515	550	22.8	197	2.2	73	0.13	3	6.1	Clear	Clear	None
1520	550	23.4	198	2.3	67	0.13	3	6.0	Clear	Clear	None
1525	550	23.1	198	3.3	63	0.13	3	6.0	Clear	Clear	None
1530	550	23.1	198	3.0	61	0.13	3	6.0	Clear	Clear	None
1535	550	23.7	197	3.0	56	0.13	3	6.0	Clear	Clear	None
1540	550	24.5	198	2.9	48	0.13	3	6.0	Clear	Clear	None
1545	550	24.8	198	2.8	45	0.13	3	6.0	Clear	Clear	None
1550	550	24.7	198	2.8	40	0.29	3	6.0	Clear	Clear	None
1555	Collect Sample										
Total Time (min.) 55	Total Volume Removed 5500		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-G31

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	100.69	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/10/2021
Well Depth (TOC)	225	feet						
Water Column Thickness	124.31	feet	Equipment	Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	215
Casing Diameter	4	inches						
Casing Volume	80.80	gallons	Weather Conditions	Overcast	Meters	YSI pro plus#2 Solinst Water Level Meter	Serial numbers	
Well Elevation (TOC)	793.69	feet						
Groundwater Elevation	693	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
1035	0	18.3	170	5.3	173	0.11	19	7.2	Cloudy	Brown	None
1040	500	18.1	210	4.2	56	0.15	28	7.1	Cloudy	Brown	None
1045	500	18.0	242	3.1	-39	0.17	47	6.9	Cloudy	Brown	None
1050	500	17.9	269	2.4	-41	0.17	29	7.1	Clear	Clear	None
1055	500	17.8	331	2.0	-60	0.22	28	7.2	Clear	Clear	None
1100	500	17.8	353	1.6	-81	0.23	25	7.5	Clear	Clear	None
1105	500	17.9	356	1.4	-92	0.23	20	7.6	Clear	Clear	None
1110	500	17.9	360	1.2	-97	0.23	17	7.6	Clear	Clear	None
1115	500	18.3	357	1.1	-101	0.23	16	7.7	Clear	Clear	None
1120	500	18.4	355	1.0	-101	0.23	15	7.7	Clear	Clear	None
1125	500	18.6	352	1.0	-101	0.23	14	7.7	Clear	Clear	None

1130	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	5000	No		Resistance retrieving pump							

QA/QC Samples	Signature	



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Station Name/Sample ID

OLF-G32

Project

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Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	110.2	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/10/2021
Well Depth (TOC)	291	feet						
Water Column Thickness	180.8	feet	Equipment	Solinst Model 408 DV Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	281
Casing Diameter	4	inches						
Casing Volume	117.52	gallons	Weather Conditions	Overcast	Meters	YSI pro plus #2 Geotech Water Level Meter	Serial numbers	
Well Elevation (TOC)	793.41	feet						
Groundwater Elevation	683.21	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
0900	0	18.2	189	4.7	202	0.12	11	7.3	Clear	Clear	None
0905	500	18.0	228	4.5	148	0.15	8	7.4	Clear	Clear	None
0910	500	17.9	239	4.1	136	0.16	7	7.5	Clear	Clear	None
0915	500	17.7	240	3.9	121	0.16	4	7.5	Clear	Clear	None
0920	500	17.9	240	3.8	110	0.16	4	7.6	Clear	Clear	None
0925	500	18.0	240	3.7	100	0.16	4	7.7	Clear	Clear	None
0930	500	18.1	239	3.5	93	0.16	4	7.8	Clear	Clear	None
0935	500	18.0	239	3.6	93	0.16	4	7.8	Clear	Clear	None
0940	500	18.0	239	3.6	89	0.16	4	7.8	Clear	Clear	None
0945	500	18.0	240	3.6	89	0.16	4	7.8	Clear	Clear	None
0950	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	4500		No			Resistance retrieving pump					
QA/QC Samples									Signature		
Dup375											



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G35

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 61.47 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/6/2021
Well Depth (TOC) 260 feet		Location (Site) LF3	Begin Time 11:00
Water Column Thickness 198.53 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 250
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 129.04 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter
Well Elevation (TOC) 742.82 feet		Geotech Geocontrol PRO	Calibration Field
Groundwater Elevation 681.35 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	5/6/2021	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
12:30	0	23.5	108	1.1	-117	0.07	15	7.2	Clear	Clear	None
12:35	500	23.6	109	0.8	-117	0.07	15	7.2	Clear	Clear	None
12:40	500	23.6	110	0.7	-124	0.07	15	7.2	Clear	Clear	None
12:45	500	23.6	110	0.7	-125	0.07	14	7.2	Clear	Clear	None
12:50	500	25.9	126	0.7	-136	0.08	14	7.2	Clear	Clear	None
12:55	500	23.8	137	0.6	-135	0.09	13	7.2	Clear	Clear	None
13:00	500	23.8	168	0.5	-130	0.11	13	7.2	Clear	Clear	None
13:05	500	23.6	283	0.7	-99	0.19	13	7.2	Clear	Clear	None
13:10	500	23.5	325	1.0	-80	0.22	12	7.2	Clear	Clear	None
13:15	500	23.9	356	1.0	-53	0.24	12	7.3	Clear	Clear	None
13:20	500	23.9	377	1.1	-50	0.25	11	7.3	Clear	Clear	None
13:25	500	24.1	387	1.1	-40	0.25	11	7.3	Clear	Clear	None

Total Time (min.) 85	Total Volume Removed 8500	Well pumped dry (yes/no) No	Notes Continued on page 2

QA/QC Samples N/A	Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G36

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 63.59 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/7/2021
Well Depth (TOC) 258.8 feet		Location (Site) LF3	Begin Time 8:00
Water Column Thickness 195.21 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 250
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 126.89 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter
Well Elevation (TOC) 746.09 feet		Geotech Geocontrol PRO	
Groundwater Elevation 682.5 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
8:30	0	17.3	420	3.3	13	0.27	6	7.5	Clear	Clear	None
8:35	500	17.5	424	3.1	33	0.28	7	7.5	Clear	Clear	None
8:40	500	17.5	424	3.1	38	0.28	4	7.5	Clear	Clear	None
8:45	500	17.4	424	2.8	39	0.28	3	7.5	Clear	Clear	None
8:50	500	17.7	423	2.5	41	0.28	2	7.5	Clear	Clear	None
8:55	500	17.6	423	2.6	40	0.28	2	7.5	Clear	Clear	None
9:00	500	17.5	423	2.7	40	0.28	3	7.5	Clear	Clear	None
9:01	Collecting Sample Suite										

Total Time (min.) 30	Total Volume Removed 3000	Well pumped dry (yes/no) No	Notes

QA/QC Samples N/A	Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G42

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date	
65.99 feet		Low Flow	D. Abernathy	5/11/2021
Well Depth (TOC)		Equipment	Location (Site)	Begin Time
174.5 feet		Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	LF3	1350
Water Column Thickness	Laboratory		Sample Depth	
108.51 feet	TestAmerica		164	
Casing Diameter	Temperature (°F)	Sample Suite		
4 inches		See COCs		
Casing Volume	Weather Conditions	Meters	Serial numbers	
70.53 gallons		YSI Pro Plus#2		
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Geotech Water Level Meter		
Well Elevation (TOC)	Overcast	Calibration	Ferrous Iron (Fe II) (mg/L)	
746.2 feet		Field	N/A	
Groundwater Elevation		5/11/2021		
680.21 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
1355	0	18.8	457	1.9	-90	0.30	13	7.5	Clear	Clear	None
1400	550	18.7	456	1.2	-100	0.30	22	7.5	Clear	Clear	None
1405	550	18.7	457	1.0	-102	0.30	30	7.5	Cloudy	White	None
1410	550	18.8	456	0.9	-107	0.30	64	7.5	Cloudy	White	None
1415	550	18.9	457	0.8	-110	0.30	56	7.5	Cloudy	White	None
1420	550	18.9	457	0.7	-116	0.30	48	7.5	Cloudy	White	None
1425	550	18.8	458	0.6	-120	0.30	47	7.5	Cloudy	White	None
1430	550	18.9	458	0.6	-125	0.30	42	7.5	Cloudy	White	None
1435	550	18.8	458	0.5	-126	0.30	41	7.5	Cloudy	White	None
1440	550	18.8	457	0.5	-129	0.30	39	7.5	Cloudy	White	None
1445	550	18.9	457	0.5	-131	0.30	37	7.5	Cloudy	White	None

1450	Collect Sample										
Total Time (min.) 55	Total Volume Removed 5500	Well pumped dry (yes/no) No		Notes							

QA/QC Samples MS/MSD	Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G43

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	88.52	feet	Sample Method	Low Flow	Sampler	J. Tulley	Date	5/7/2021
Well Depth (TOC)	220.6	feet			Location (Site)	LF3	Begin Time	11:45
Water Column Thickness	132.08	feet	Equipment	Geotech Bladder Pump	Laboratory	TestAmerica	Sample Depth	213
					Sample Suite	See COCs		
Casing Diameter	4	inches	Temperature (°F)	64°	Meters	Serial numbers		
Casing Volume	85.85	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	Field	Ferrous Iron (Fe II) (mg/L)	
Groundwater Elevation	672.53	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	5/7/2021		N/A	
					Product Observed (yes/no)	N/A	Depth to product	N/A

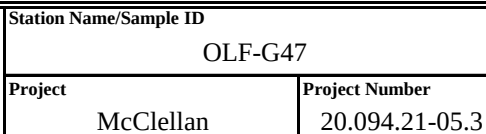
Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
12:00	0	26.2	128	3.4	12	0.08	14	6.4	Clear	Clear	None
12:05	500	26.1	164	4.6	40	0.11	14	6.4	Clear	Clear	None
12:10	500	25.4	173	4.4	59	0.11	13	6.4	Clear	Clear	None
12:15	500	25.5	176	4.4	65	0.11	12	6.5	Clear	Clear	None
12:20	500	25.4	182	3.9	67	0.12	10	6.5	Clear	Clear	None
12:25	500	24.6	193	4.0	67	0.13	8	6.6	Clear	Clear	None
12:30	500	24.5	194	3.9	67	0.13	8	6.6	Clear	Clear	None
12:35	500	24.3	200	3.7	68	0.13	7	6.6	Clear	Clear	None
12:40	500	25.7	202	3.6	66	0.13	6	6.6	Clear	Clear	None
12:45	500	25.6	202	3.7	65	0.13	5	6.6	Clear	Clear	None
12:46	Collecting Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	4500		No			5-7-21					

QA/QC Samples

N/A

Signature

[Handwritten Signature]



Groundwater Depth (TOC)	Sample Method Low Flow	Sampler J. Tulley	Date 5/6/2021	
56.13 feet		Location (Site) LF3	Begin Time 7:30	
Well Depth (TOC)		Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 303
322 feet			Sample Suite See COCs	
Water Column Thickness	Temperature (°F) 52°	Meters	Serial numbers	
265.87 feet		YSI Pro Plus		
Casing Diameter		Solinst Water Level Meter		
4 inches		Geotech Geocontrol PRO		
Casing Volume	Weather Conditions Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)	
172.82 gallons		Field		
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit			
Well Elevation (TOC)				
717.46 feet		5/6/2021	N/A	
Groundwater Elevation		Product Observed (yes/no)	Depth to product	
661.33 feet		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
8:30	0	17.6	388	1.5	82	0.25	3	7.3	Clear	Clear	None
8:35	500	19.3	386	8.9	-141	0.00	4	7.5	Clear	Clear	None
8:40	500	18.1	384	7.0	15	0.21	5	7.7	Clear	Clear	None
8:45	500	18.1	382	5.4	-17	0.25	5	7.5	Clear	Clear	None
8:50	500	17.7	382	4.8	-20	0.25	3	7.5	Clear	Clear	None
8:55	500	17.9	377	3.9	-23	0.25	4	7.4	Clear	Clear	None
9:00	500	18.1	378	3.9	-22	0.24	3	7.4	Clear	Clear	None
9:05	500	18.2	377	3.9	-23	0.24	3	7.4	Clear	Clear	None
9:10	500	18.3	377	3.8	-22	0.24	3	7.4	Clear	Clear	None
9:11	<i>Collecting Sample Suite</i>										
Total Time (min.) 40	Total Volume Removed 4000	Well pumped dry (yes/no) No				Notes <i>5-6-21</i>					

QA/QC Samples
Dup373

Signature

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

OLF-G48

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)		Sample Method	Sampler	Date
65.14		Low Flow	J. Tulley	5/6/2021
	feet		Location (Site)	Begin Time
Well Depth (TOC)		Equipment	LF3	9:25
405			Laboratory	Sample Depth
	feet		TestAmerica	395
Water Column Thickness		Geotech Bladder Pump	Sample Suite	
339.86			See COCs	
	feet			
Casing Diameter		Temperature (°F)	Meters	Serial numbers
4		63°	YSI Pro Plus	
	inches		Solinst Water Level Meter	
Casing Volume		Weather Conditions	Geotech Geocontrol PRO	
220.91			Calibration	Ferrous Iron (Fe II) (mg/L)
	gallons	Sunny	Field	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4				
Well Elevation (TOC)				
717.63			5/6/2021	N/A
	feet			
Groundwater Elevation		Parameter Stabilization	Product Observed (yes/no)	Depth to product
652.49		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
9:35	0	18.3	118	2.4	-37	0.08	16	6.9	Clear	Clear	None
9:40	500	18.4	112	2.0	-46	0.07	15	6.9	Clear	Clear	None
9:45	500	18.8	102	1.4	-70	0.07	15	6.9	Clear	Clear	None
9:50	500	18.9	112	1.4	-72	0.08	13	7.0	Clear	Clear	None
9:55	500	19.1	243	1.7	-65	0.17	11	7.4	Clear	Clear	None
10:00	500	19.1	307	2.1	-30	0.20	10	7.7	Clear	Clear	None
10:05	500	19.0	311	2.5	-14	0.20	9	7.7	Clear	Clear	None
10:10	500	19.1	313	2.4	8	0.20	8	7.7	Clear	Clear	None
10:15	500	19.1	313	2.4	9	0.20	6	7.7	Clear	Clear	None
10:20	500	19.2	313	2.5	10	0.20	6	7.7	Clear	Clear	None
10:25	500	19.3	313	2.4	10	0.20	5	7.7	Clear	Clear	None
10:26											
Collecting Sample Suite											
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	5000	No									

QA/QC Samples

N/A

Signature

[Handwritten Signature]



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

Station Name/Sample ID

OLF-G49

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 76.72 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/12/2021
Well Depth (TOC) 110 feet		Location (Site) LF3	Begin Time 11:30
Water Column Thickness 33.28 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 100
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 21.63 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Meters YSI Pro Plus Solinst Water Level Meter Geotech Geocontrol PRO	Serial numbers
Well Elevation (TOC) 753.3 feet		Calibration Field 5/12/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 676.58 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
11:45	0	16.8	75	3.2	163	0.05	75	5.5	Cloudy	Clear	None
11:50	500	16.9	75	3.2	165	0.05	70	5.5	Cloudy	Clear	None
11:55	500	17.3	76	2.8	166	0.05	60	5.6	Cloudy	Clear	None
12:00	500	17.3	76	2.8	166	0.05	46	5.6	Cloudy	Clear	None
12:05	500	17.4	76	2.5	165	0.05	21	5.6	Clear	Clear	None
12:10	500	17.3	75	2.5	165	0.05	20	5.5	Clear	Clear	None
12:15	500	17.3	75	2.5	166	0.05	21	5.5	Clear	Clear	None
12:20	500	17.4	75	2.5	166	0.05	20	5.5	Clear	Clear	None
12:21	Collecting Sample Suite										

Total Time (min.) 35	Total Volume Removed 3500	Well pumped dry (yes/no) No	Notes

QA/QC Samples N/A	Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G50

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 77.21 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/12/2021
Well Depth (TOC) 159 feet		Location (Site) LF3	Begin Time 10:15
Water Column Thickness 81.79 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 149
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 57°	Meters YSI Pro Plus	Serial numbers
Casing Volume 53.16 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Solinst Water Level Meter	
		Geotech Geocontrol PRO	
Well Elevation (TOC) 753.62 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 676.41 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
10:30	0	17.0	208	4.7	106	0.14	29	6.2	Clear	Clear	None
10:35	500	17.0	197	4.7	111	0.13	28	6.2	Clear	Clear	None
10:40	500	17.1	195	4.8	112	0.13	30	6.2	Clear	Clear	None
10:45	500	16.9	190	5.0	114	0.12	28	6.2	Clear	Clear	None
10:50	500	16.9	186	5.0	117	0.12	29	6.2	Clear	Clear	None
10:55	500	17.1	184	4.5	122	0.12	29	6.2	Clear	Clear	None
11:00	500	17.1	184	4.5	122	0.12	29	6.2	Clear	Clear	None
11:05	500	17.0	184	4.5	122	0.12	28	6.2	Clear	Clear	None
11:06	Collecting Sample Suite										

Total Time (min.) 35	Total Volume Removed 3500	Well pumped dry (yes/no) No	Notes

QA/QC Samples N/A	Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G51

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	74.01	feet	Sample Method	Low Flow	Sampler	J. Tulley	Date	5/12/2021
Well Depth (TOC)	259	feet			Location (Site)	LF3	Begin Time	8:15
Water Column Thickness	184.99	feet	Equipment	Geotech Bladder Pump	Laboratory	TestAmerica	Sample Depth	249
					Sample Suite	See COCs		
Casing Diameter	4	inches	Temperature (°F)	54°	Meters	Serial numbers		
Casing Volume	120.24	gallons			YSI Pro Plus			
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4			Weather Conditions	Overcast	Solinst Water Level Meter			
					Geotech Geocontrol PRO			
Well Elevation (TOC)	753.69	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Ferrous Iron (Fe II) (mg/L)		
					Field			
Groundwater Elevation	679.68	feet			5/12/2021	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
9:10	0	16.2	165	3.5	-7	0.11	70	6.7	Cloudy	Yellow	None
9:15	500	16.5	151	2.9	-16	0.10	74	6.6	Cloudy	Yellow	None
9:20	500	16.7	324	3.3	36	0.21	27	6.9	Clear	Clear	None
9:25	500	16.6	325	3.1	38	0.21	27	6.9	Clear	Clear	None
9:30	500	16.7	325	3.4	48	0.21	26	6.9	Clear	Clear	None
9:35	500	16.8	325	3.2	52	0.21	15	6.9	Clear	Clear	None
9:40	500	16.8	324	3.2	55	0.21	13	6.9	Clear	Clear	None
9:45	500	16.8	324	3.2	55	0.21	6	6.9	Clear	Clear	None
9:50	500	16.8	323	3.3	58	0.21	7	6.9	Clear	Clear	None
9:55	500	16.7	323	3.3	58	0.21	6	6.9	Clear	Clear	None
10:00	500	16.7	323	3.3	58	0.21	6	6.9	Clear	Clear	None
10:01	Collecting Sample Suite										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
50	5000	No									

QA/QC Samples

N/A

Signature

[Handwritten Signature]



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

Station Name/Sample ID

OLF-G52

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
58.38 feet	Low Flow	D. Abernathy	5/10/2021
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
377.5 feet	Solinst Model 408 DV Pump Solinst Model 464 Controller	LF3	1330
Water Column Thickness		Laboratory	Sample Depth
319.12 feet		TestAmerica	367
		Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4 inches	70°	YSI pro plus#2	
Casing Volume	Weather Conditions	Geotech Water Level Meter	
207.43 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Overcast	Calibration	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC)		Field	
723.83 feet		5/10/2021	N/A
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
665.45 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
1330	0	20.7	573	3.9	-178	0.38	52	10.7	Cloudy	White	None
1335	625	20.8	530	2.0	-225	0.34	23	10.6	Cloudy	White	None
1340	625	20.9	487	1.3	-231	0.30	29	10.4	Cloudy	White	None
1345	625	21.0	347	1.4	-186	0.23	35	9.3	Cloudy	White	None
1350	625	20.7	356	1.7	-102	0.23	27	7.9	Clear	Clear	None
1355	625	20.7	357	1.7	-95	0.23	26	7.7	Clear	Clear	None
1400	625	20.6	357	1.7	-89	0.23	22	7.6	Clear	Clear	None
1405	625	20.6	356	1.7	-90	0.23	18	7.6	Clear	Clear	None
1410	625	20.1	356	1.7	-90	0.23	19	7.6	Clear	Clear	None
1415	625	20.0	356	1.7	-91	0.23	20	7.7	Clear	Clear	None
1420	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	5625		No								
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

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Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 57.38 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/7/2021
Well Depth (TOC) 400 feet		Location (Site) LF3	Begin Time 9:30
Water Column Thickness 342.62 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 295
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 222.70 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Sunny	Meters YSI Pro Plus	Serial numbers
Well Elevation (TOC) 722.11 feet		Solinst Water Level Meter	
Groundwater Elevation 664.73 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Geotech Geocontrol PRO	
		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
10:00	0	20.2	351	8.2	57	0.23	10	8.1	Clear	Clear	None
10:05	500	20.1	349	3.5	54	0.23	7	7.7	Clear	Clear	None
10:10	500	19.7	350	3.4	52	0.23	6	7.7	Clear	Clear	None
10:15	500	20.0	349	3.4	52	0.23	6	7.7	Clear	Clear	None
10:20	500	20.4	349	3.5	52	0.23	4	7.7	Clear	Clear	None
10:25	500	20.7	351	3.3	52	0.23	4	7.7	Clear	Clear	None
10:30	500	20.6	351	3.1	52	0.23	4	7.7	Clear	Clear	None
10:35	500	21.0	350	3.0	50	0.23	4	7.7	Clear	Clear	None
10:40	500	20.8	350	2.7	49	0.23	4	7.7	Clear	Clear	None
10:41	Collecting Sample Suite										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
40	4000	No									

QA/QC Samples

Signature

J. Z.



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

Station Name/Sample ID

OLF-G72

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) N/A feet	Sample Method FLUTE well purge	Sampler J. Tulley	Date 5/11/2021
Well Depth (TOC) 245 feet		Location (Site) LF3	Begin Time 12:15
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) 73°	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 Overcast	Solinst Water Level Meter Geotech Geocontrol PRO	
Well Elevation (TOC) 747.03 feet		Calibration Field	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	13:50	21.9	1095	0.5	-103	0.72	7	6.9	Bubbly	Clear	None
Port 2	14:35	21.2	1159	0.3	-47	0.75	44	6.4	Bubbly	Clear	None
Port 3	15:00	20.1	703	0.4	-70	0.45	12	6.9	Clear	Clear	None
Port 4	15:25	22.3	898	0.5	-53	0.59	16	6.6	Bubbly	Clear	None
Port 5	15:45	18.8	457	1.1	-82	0.30	3	7.1	Clear	Clear	None
Port 6	16:10	19.7	452	0.9	-95	0.29	3	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 were sprite like.						
QA/QC Samples									Signature		
MS/MSD on OLF-G72 Port 1											



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G75 Screen 3

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	67.12	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/11/2021
Well Depth (TOC)	300.5	feet						
Water Column Thickness	233.38	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	170
Casing Diameter	2	inches						
Casing Volume	37.34	gallons	Weather Conditions	Overcast	Meters	YSI Pro Plus #2	Serial numbers	Geotech Water Level Meter
Well Elevation (TOC)	749.89	feet						
Groundwater Elevation	682.77	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
1145	3000	21.0	446	1.8	12	0.29	53.9	7.4	Cloudy	White	None
1150	500	21.5	458	1.6	-7	0.30	35.7	7.4	Cloudy	White	None
1155	500	21.4	460	1.4	-5	0.30	49.6	7.4	Cloudy	White	None
1200	500	21.4	461	1.2	-2	0.30	53.6	7.4	Cloudy	White	None
1205	500	21.7	460	1.2	-2	0.30	57.0	7.4	Cloudy	White	None
1210	500	22.1	462	1.1	-3	0.30	59.1	7.4	Cloudy	White	None
1215	500	22.2	463	1.1	-4	0.30	59.0	7.4	Cloudy	White	None
1220	500	22.4	467	1.1	-6	0.30	56.8	7.4	Cloudy	White	None
1225	500	22.9	468	1.0	-6	0.30	55.5	7.4	Cloudy	White	None
1230	500	23.1	468	1.0	-6	0.30	57.5	7.4	Cloudy	White	None
1235	500	23.2	470	1.0	-5	0.31	58.6	7.4	Cloudy	White	None

1240	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	8000	No									

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

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
67.12 feet		D. Abernathy	5/11/2021
Well Depth (TOC)	Low Flow	Location (Site)	Begin Time
300.5 feet		LF3	1005
Water Column Thickness	Equipment	Laboratory	Sample Depth
233.38 feet		TestAmerica	250
	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
2 inches		66°	YSI Pro Plus #2
Casing Volume	Weather Conditions	Geotech Water Level Meter	
37.34 gallons			
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Calibration	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC)	Overcast	Field	
749.89 feet		5/11/2021	N/A
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
682.77 feet		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	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	18.8	261	6.1	74	0.14	69	6.7	Cloudy	White	None
1020	500	18.7	313	4.9	59	0.20	55	7.0	Cloudy	White	None
1025	500	18.6	377	3.5	46	0.25	41	7.1	Cloudy	White	None
1030	500	18.6	462	2.2	34	0.30	25	7.3	Clear	Clear	None
1035	500	19.0	464	1.8	24	0.30	19	7.3	Clear	Clear	None
1040	500	19.4	467	1.6	18	0.30	11	7.4	Clear	Clear	None
1045	500	19.5	468	1.6	15	0.30	5	7.4	Clear	Clear	None
1050	500	19.7	469	1.5	14	0.30	3	7.4	Clear	Clear	None
1055	500	19.8	469	1.5	12	0.30	3	7.4	Clear	Clear	None
1100	500	19.9	470	1.5	9	0.31	2	7.4	Clear	Clear	None
1105	500	20.1	470	1.4	7	0.31	2	7.4	Clear	Clear	None
1110	Collect Sample										
Total Time (min.) 55	Total Volume Removed 5000	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-G77

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	57.84	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/12/2021
Well Depth (TOC)	84.5	feet						
Water Column Thickness	26.66	feet	Equipment	Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	79
Casing Diameter	4	inches	Temperature (°F)	59°	Meters	YSI Pro Plus#2	Serial numbers	Geotech Water Level Meter
Casing Volume	17.33	gallons						
	1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Weather Conditions	Overcast	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	747.04	feet						
Groundwater Elevation	689.2	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	16.9	312	1.2	148	0.20	22	5.8	Clear	Clear	None
1105	500	16.8	310	1.0	107	0.20	15	5.8	Clear	Clear	None
1110	500	16.8	307	0.9	90	0.20	12	5.8	Clear	Clear	None
1115	500	16.8	309	0.8	75	0.20	11	5.8	Clear	Clear	None
1120	500	17.0	312	0.7	59	0.20	9	5.8	Clear	Clear	None
1125	500	16.9	312	0.7	51	0.20	7	5.8	Clear	Clear	None
1130	500	16.9	310	0.6	46	0.20	6	5.8	Clear	Clear	None
1135	500	17.0	311	0.6	42	0.20	6	5.8	Clear	Clear	None
1140	500	17.0	310	0.6	39	0.20	5	5.8	Clear	Clear	None
1145	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	4000		No								
QA/QC Samples									Signature 		



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

OLF-G78

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 64.9 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/12/2021
Well Depth (TOC) 85 feet		Location (Site) LF3	Begin Time 1240
Water Column Thickness 20.1 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 80
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 13.07 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 63°	Meters YSI Pro Plus #2 Geotech Water Level Meter	Serial numbers
Well Elevation (TOC) 748.99 feet	Weather Conditions Overcast	Calibration Field 5/12/2021	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 684.09 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
1240	0	17.9	111	6.9	59	0.07	9	5.5	Clear	Clear	None
1245	500	17.6	114	6.0	54	0.07	11	5.5	Clear	Clear	None
1250	500	18.3	116	5.5	40	0.08	8	5.6	Clear	Clear	None
1255	500	18.1	116	5.2	35	0.08	5	5.6	Clear	Clear	None
1300	500	18.2	117	4.9	35	0.08	4	5.6	Clear	Clear	None
1305	500	17.9	116	4.7	32	0.08	2	5.6	Clear	Clear	None
1310	500	18.0	115	4.4	32	0.08	2	5.6	Clear	Clear	None
1315	500	18.1	115	4.2	31	0.08	2	5.6	Clear	Clear	None
1320	500	18.1	115	4.1	33	0.07	2	5.6	Clear	Clear	None
1325	500	18.1	115	4.0	36	0.07	2	5.6	Clear	Clear	None
1330	500	18.2	115	4.0	36	0.07	2	5.6	Clear	Clear	None

1335

Collect Sample

Total Time (min.) 55	Total Volume Removed 5000	Well pumped dry (yes/no) No	Notes small white flecks suspended in the idw and sample

QA/QC Samples

Dup378

Signature



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

Station Name/Sample ID

PPMP-229-GP12

Project

McClellan

Project Number

20.094.21-05.3

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
23.51 feet	Low Flow	D. Abernathy	5/7/2021
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
168 feet	Geotech Bladder Pump Geotech Geocontrol PRO	LF3	1230
Water Column Thickness		Laboratory	Sample Depth
144.49 feet		TestAmerica	163
		Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4 inches	64°	YSI pro plus#2	
Casing Volume	Weather Conditions	Geotech Water Level Meter	
93.92 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)
Well Elevation (TOC)		Field	
743.79 feet		5/7/2021	N/A
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
720.28 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
1240	625	20.1	228	3.5	-37	0.15	3	10.3	Clear	Clear	None
1245	625	20.2	228	1.7	-74	0.15	3	10.4	Clear	Clear	None
1250	625	20.2	229	1.2	-98	0.15	4	10.5	Clear	Clear	None
1255	625	20.0	229	1.0	-95	0.15	4	10.4	Clear	Clear	None
1300	625	20.2	230	1.0	-97	0.15	2	10.4	Clear	Clear	None
1305	625	20.3	228	1.0	-103	0.15	1	10.4	Clear	Clear	None
1310	625	20.3	224	1.0	-108	0.15	0	10.4	Clear	Clear	None
1315	625	20.2	219	0.9	-113	0.14	0	10.4	Clear	Clear	None
1320	625	20.2	215	0.9	-111	0.14	0	10.4	Clear	Clear	None
1325	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5625		No								
QA/QC Samples									Signature 		

Appendix B
Chain of Custody

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD COC 6249

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 # 20.094.21-05.3.500
 Lab contract: _____

Cooler ID Cooler 1 of 2
 Page 1 of 1

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 - MJE,E 3-40 mL vials, HCl	SW9060A - TOC 3-40 mL amber vials, H2SO4	SW8260B - VOC TB 2-40 mL vials, HCl
OLF-G74 Port 1	NS	MW	Water	Grab		11/11/20	9:50	X		X	
OLF-G74 Port 2	NS	MW	Water	Grab		11/11/20	10:20	X		X	
OLF-G74 Port 3	NS	MW	Water	Grab		11/11/20	10:45	X		X	
OLF-G74 Port 4	NS	MW	Water	Grab		11/11/20	11:10	X		X	
OLF-G74 Port 5	NS	MW	Water	Grab		11/11/20	11:35	X		X	
OLF-G72 Port 1	NS	MW	Water	Grab	X	11/11/20	13:50	X	X	X	
OLF-G72 Port 2	NS	MW	Water	Grab		11/11/20	14:35	X	X	X	
OLF-G72 Port 3	NS	MW	Water	Grab		11/11/20	15:00	X	X	X	
OLF-G72 Port 4	NS	MW	Water	Grab		11/11/20	15:25	X	X	X	
OLF-G72 Port 5	NS	MW	Water	Grab		11/11/20	15:55	X	X	X	
OLF-G72 Port 6	NS	MW	Water	Grab		11/11/20	16:20	X	X	X	
DUP365	FD	FD	Water	Grab		11/10/20	N/A	X	X	X	
DUP364	FD	FD	Water	Grab		11/11/20	X	X		X	
PPMP-229-GP12	NS	MW	Water	Grab		11/11/20	14:35	X			
TB569	TB	TB	Water	Grab		11/12/20	13:30				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:

11/12/20 16:00

Received by (Signature):

FedEX

Relinquished by (Signature):

Date/Time:

Received by (Signature):

DUP365 is OLF-G77
 DUP364 is OLF-G74 Port 2

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

COC 6232

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 # 20.094.21-05.3.500
 Lab contract: _____

Cooler ID 2 of 2
 Page 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-G71 Port 1	NS	MW	Water	Grab		11/12/20	10:05	X			
OLF-G71 Port 2	NS	MW	Water	Grab		11/12/20	10:20	X			
OLF-G71 Port 3	NS	MW	Water	Grab		11/12/20	10:35	X			
OLF-G71 Port 4	NS	MW	Water	Grab		11/12/20	11:00	X			
OLF-G71 Port 5	NS	MW	Water	Grab		11/12/20	11:20	X			
OLF-G73 Port 1	NS	MW	Water	Grab		11/10/20	14:05	X	X	X	
OLF-G73 Port 2	NS	MW	Water	Grab		11/10/20	14:35	X	X	X	
OLF-G73 Port 3	NS	MW	Water	Grab		11/10/20	15:00	X	X	X	
OLF-G73 Port 4	NS	MW	Water	Grab		11/10/20	15:30	X	X	X	
OLF-G73 Port 5	NS	MW	Water	Grab		11/10/20	16:00	X	X	X	
OLF-G75 Screen 1	NS	MW	Water	Grab		11/11/20	9:45	X			
OLF-G75 Screen 2	NS	MW	Water	Grab		11/11/20	8:25	X			
OLF-G75 Screen 3	NS	MW	Water	Grab		11/10/20	15:10	X			
OLF-G75 Screen 4	NS	MW	Water	Grab		11/10/20	12:40	X			
OLF-G75 Screen 5	NS	MW	Water	Grab		11/10/20	10:55	X			
OLF-G75 Screen 6	NS	MW	Water	Grab		11/10/20	9:05	X			
DUP363	FD	FD	Water	Grab		11/11/20	N/A	X			
DUP361	FD	FD	Water	Grab		11/11/20	NA	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

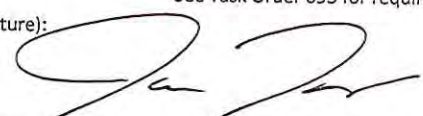
Sampling Methods: B = bailer, BP = bladder pump, C = composite, G = Grab, PDB = PDB bag, PP = peristaltic pump, SU = submersible pump

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:

11/12/20 16:00

Received by (Signature):

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

DUP363 is OLF-G75 Screen 1
 DUP361 is OLF-G75 Screen 2

COC 6232

Cooler ID 2 of 2
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 Caps: BDB = Baited Dredge Bottle, BDB = Baited Dredge Bottle, BDB = Baited Dredge Bottle

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

Double the number of bottles for MS/MSD

by (Signature):

by (Signature):

11/12/20 16:00

Received by (Signature):

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

DUP362 is OLF-G70

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

COC 6229

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 # 20.094.21-05.3.500
 Lab contract:

Cooler ID Cooler 1 of 1
 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
OLF - G52	NS	MW	Water	Grab		11/16/20	08:50	X			
OLF - G22	NS	MW	Water	Grab		11/17/20	13:40	X			
OLF - G36	NS	MW	Water	Grab		11/17/20	12:00	X			
OLF - G35	NS	MW	Water	Grab		11/17/20	08:45	X			
OLF - G51	NS	MW	Water	Grab		11/17/20	15:06	X			
OLF - G24	NS	MW	Water	Grab		11/16/20	09:26	X			
OLF - G50	NS	MW	Water	Grab		11/17/20	16:06	X			
OLF - G19	NS	MW	Water	Grab		11/16/20	13:41	X			
OLF - G49	NS	MW	Water	Grab		11/17/20	12:16	X			
OLF - G21	NS	MW	Water	Grab		11/17/20	08:51	X			
OLF - G18	NS	MW	Water	Grab		11/16/20	15:31	X			
OLF - G43	NS	MW	Water	Grab		11/16/20	14:55	X			
OLF - G26	NS	MW	Water	Grab		11/17/20	10:36	X			
OLF - G48	NS	MW	Water	Grab		11/16/20	13:25	X			
OLF - G47	NS	MW	Water	Grab		11/16/20	11:30	X			
OLF - G20	NS	MW	Water	Grab		11/18/20	9:06	X			
OLF - G07	NS	MW	Water	Grab	X	11/18/20	8:11	X			
OLF - G23	NS	MW	Water	Grab		11/17/20	10:10	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

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):

11/18/2020 16:00

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

COC 6229

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 # 20.094.21-05.3.500
 Lab contract: _____

Cooler ID Cooler 1 of 1
 Page 2 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-G12	NS	MW	Water	Grab		11/16/20	11:21	X	X		
EB136	EB	EB	Water	Grab		11/18/20	14:00	X	X	X	
Material 106	MB	MB	Water	Grab		11/18/20	14:15	X	X	X	
TB571	TB	TB	Water	Grab		11/18/20	14:31				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):

Date/Time:

Received by (Signature):

Relinquished by (Signature):

Date/Time:

Received by (Signature):

11/18/2020 16:00

FedEx

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

COC#

Cooler
1 of 3

Cooler ID

6383

Page

1 of 2

Analysis

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 # 20.094.21-05.3.500
 Lab contract: _____

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-G73 Port 1	NS	MW	Water	Grab		5/10/21	10:30	X	X	X	
OLF-G73 Port 2	NS	MW	Water	Grab		5/10/21	10:55	X	X	X	
OLF-G73 Port 3	NS	MW	Water	Grab		5/10/21	11:20	X	X	X	
OLF-G73 Port 4	NS	MW	Water	Grab		5/10/21	11:55	X	X	X	
OLF-G73 Port 5	NS	MW	Water	Grab		5/10/21	12:10	X	X	X	
OLF-G74 Port 1	NS	MW	Water	Grab		5/10/21	14:20	X		X	
OLF-G74 Port 2	NS	MW	Water	Grab		5/10/21	14:45	X		X	
OLF-G74 Port 3	NS	MW	Water	Grab		5/10/21	15:05	X		X	
OLF-G74 Port 4	NS	MW	Water	Grab		5/10/21	15:30	X		X	
OLF-G74 Port 5	NS	MW	Water	Grab		5/10/21	15:55	X		X	
OLF-G43	NS	MW	Water	BP		5/7/21	12:46	X			
OLF-G18	NS	MW	Water	BP		5/6/21	14:05	X			
OLF-G70	NS	MW	Water	BP		5/7/21	10:41	X			
OLF-G35	NS	MW	Water	BP		5/6/21	13:56	X			
DUP376	FD	FD	Water	Grab		5/10/21	N/A	X		X	
OLF-G47	NS	MW	Water	BP		5/6/21	9:11	X			
OLF-G48	NS	MW	Water	BP		5/6/21	10:25	X			
OLF-G31	NS	MW	Water	BP		5/10/21	11:30	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):

Date/Time:

5/12/21 16:00

Received by (Signature):

FedEX

Relinquished by (Signature):

Date/Time:

Received by (Signature):

DUP376 - OLF-G74 Port 1

COC 6383

cooler 1 of 3

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 # 20.094.21-05.3.500

Lab contract:

Cooler ID

Page

2 of 2

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:

5/12/21 16:00

Received by (Signature):

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

COC# 6376

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 # 20.094.21-05.3.500

Lab contract:

Cooler ID

Cooler 2 of 3

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-G72 Port 1	NS	MW	Water	Grab	X	5/11/21	13:50	X	X	X	
OLF-G72 Port 2	NS	MW	Water	Grab		5/11/21	14:35	X	X	X	
OLF-G72 Port 3	NS	MW	Water	Grab		5/11/21	15:00	X	X	X	
OLF-G72 Port 4	NS	MW	Water	Grab		5/11/21	15:25	X	X	X	
OLF-G72 Port 5	NS	MW	Water	Grab		5/11/21	15:45	X	X	X	
OLF-G72 Port 6	NS	MW	Water	Grab		5/11/21	16:10	X	X	X	
OLF-G71 Port 1	NS	MW	Water	Grab		5/11/21	10:30	X			
OLF-G71 Port 2	NS	MW	Water	Grab		5/11/21	10:45	X			
OLF-G71 Port 3	NS	MW	Water	Grab		5/11/21	11:05	X			
OLF-G71 Port 4	NS	MW	Water	Grab		5/11/21	11:20	X			
OLF-G71 Port 5	NS	MW	Water	Grab		5/11/21	11:45	X			
DUP 373	FD	FD	Water	BP		5/6/21	N/A	X			
OLF-G12	NS	MW	Water	BP		5/6/21	10:55	X	X		
OLF-G42	NS	MW	Water	BP	X	5/11/21	14:50	X			
OLF-G20	NS	MW	Water	BP		5/11/21	16:30	X			
OLF-G75 Screen 3	NS	MW	Water	BP		5/11/21	12:40	X			
OLF-G75 Screen 5	NS	MW	Water	BP		5/11/21	11:10	X			
OLF-G49	NS	MW	Water	BP		5/12/21	12:21	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):

Date/Time:

5/12/21 16:00

Received by (Signature):

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

DUP373 - OLF-G47

COC# 6374

Cooler 2 of 3

2 of 2

[illegible][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

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

Received by (Signature):

14:00

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

DUP374 - OLF-G22

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

COC# 6404

Laboratory TestAmerica
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 Project Parcel 80(6), Landfill 3
 Task # 20.094.21-05.3.500
 Lab contract: _____

Cooler ID _____
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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,F 3-40 mL vials, HCl	SW9060A -TOC 3-40 mL amber vials, H2SO4	SW8260B - VOC TB 2-40 mL vials, HCl
OLF-G77	NS	MW	Water	BP		5/12/21	11:45	X	X	X	
DUP 377	FD	FD	Water	BP		5/12/21	N/A	X	X	X	
OLF-G07	NS	MW	Water	BP	X	5/12/21	9:35	X			
DUP 375	FD	FD	Water	BP		5/10/21	N/A	X			
OLF-G78	NS	MW	Water	BP		5/12/21	13:35	X			
TB 580	TB	TB	Water	Grab		5/12/21	2:45				X
MB 108	MB	MB	Water	Grab		5/12/21	14:15	X	X	X	
EB 138	EB	EB	Water	Grab		5/12/21	14:10	X	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:

Received by (Signature):

Relinquished by (Signature):

Date/Time:

Received by (Signature):

DUP 375 - OLF-G32
 DUP 377 - OLF-G77

Appendix C
Data Quality Summary

**Data Quality Summary:
Landfill 3, Parcel 80(6) and
Fill Area Northwest of Reilly Airfield, Parcel 229(7)
McClellan, Anniston, Alabama**

November 2020 through May 2021 Sampling Events

Prepared for:



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July 2021

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LIST OF ABBREVIATIONS AND ACRONYMS

ADEM	Alabama Department of Environmental Management
Army	United States Department of the Army
CA	Cleanup agreement
CCAL	Continuing calibration
CCB	Continuing calibration blank
COC	Chain-of-custody
DI	Deionized
DQO	Data Quality Objective
DQS	Data Quality Summary
EB	Equipment blank
EPA	United States Environmental Protection Agency
ESCA	Environmental Services Cooperative Agreement
ESV	Ecological screening value
FANWR	Fill Area Northwest of Reilly Airfield
FD	Field duplicate
GC/MS	Gas chromatography/mass spectrometry
IC	Ion Chromatography
ICAL	Initial calibration
IDL	Instrument detection limit
IS	Internal standard
IT	IT Corporation
LCS	Laboratory control sample
LCSD	Laboratory control sample duplicate
McClellan	McClellan, Anniston, Alabama
MDA	McClellan Development Authority
MDL	Method detection limit
MES	Matrix Environmental Services, LLC
MS	Matrix spike
MSD	Matrix spike duplicate
PARCCS	Precision, accuracy, representativeness, completeness, comparability, and sensitivity
PSV (RSL)	Preliminary screening level/Risk-based screening level
QA	Quality assurance
QAP	<i>Quality Assurance Plan</i>
QC	Quality control
%R	Percent recovery
RL	Reporting limit
RBTL	Risk-based target level
RPD	Relative percent difference
RSD	Relative standard deviation
RSL	Regional screening level
SOP	Standard operating procedure
SRM	Standard reference material
TALSAV	TestAmerica Laboratories, Inc, Savannah, Georgia
TB	Trip blank

TDS	Total Dissolved Solids
TOC	Total Organic Carbon
VOC	Volatile Organic Compound

1.0 INTRODUCTION

Matrix Environmental Services, LLC (MES) has prepared this Data Quality Summary (DQS) in support of the Landfill 3, Parcel 80(6) (Landfill 3) and Fill Area Northwest of Reilly Airfield, Parcel 229(7) (FANWR) within McClellan, Anniston, Alabama (McClellan). The sampling events were conducted on behalf of the McClellan Development Authority (MDA). This DQS addresses the data quality review for groundwater samples collected during the November 2020 through May 2021 sampling events. The *Quality Assurance Plan, Revision (QAP)*, (MES, 2005) details the specifics of quality assurance (QA) and quality control (QC) with respect to sampling and data evaluation.

2.0 PROJECT DESCRIPTION

Project objectives and QA objectives in terms of precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are described in this section.

2.1 PROJECT OBJECTIVES

The objectives of the environmental sampling at Landfill 3 and FANWR were to assess the extent of groundwater contamination.

2.2 DATA QUALITY LEVELS

During the field program, groundwater samples were collected and analyzed with screening level methods for field parameters and definitive level methods for specific chemical analytes. Screening and definitive level data are defined as follows (United States Environmental Protection Agency [EPA], 1994):

- Screening Level Data – Screening level data are subject to minimal QC requirements. Results are often not compound-specific and not quantitative, but results are available in real time. Obtaining screening level data is less costly than obtaining definitive level data, but the results are less defensible because of the greater potential for error and the inherent precision and accuracy limitations. This level is normally used for field investigation health and safety screening, but can also be used to identify media or samples for consideration for further analyses. Field pH, conductivity, temperature, total dissolved solids (TDS), dissolved oxygen (DO), and oxidation/reduction potential (ORP) measurements collected during this investigation are considered screening level data.
- Definitive Level Data - Analyses performed using established analytical procedures and strict QC procedures produce definitive level data. Applicable EPA test methods (EPA, 1993 through 2015) were used to collect definitive level data for Landfill 3 and FANWR. Analytical results produced were analyte-specific with confirmation of analyte identity and concentration. Definitive level data meeting quality criteria are suitable for site assessments, risk assessments, remedial design, and remediation efforts.

2.3 DATA QUALITY OBJECTIVES

QA objectives in terms of precision, accuracy, representativeness, completeness, comparability, and sensitivity are outlined below.

Precision is a measure of the reproducibility of a set of duplicate analytical results, usually under prescribed similar conditions. Precision, as discussed in Section A3.3.1 in the QAP, is expressed in terms of the relative percent difference (RPD) between duplicate determinations, or in terms of the relative standard deviation (RSD) when three or more determinations are made. Various measures of precision exist depending on the prescribed similar conditions.

Overall sampling and analysis precision was assessed using RPDs for duplicate environmental samples and matrix spike/matrix spike duplicates (MS/MSDs). The RPDs for laboratory control sample/laboratory control sample duplicate (LCS/LCSD) results were used to assess laboratory precision. RPD is defined as the difference between two measurements divided by their mean and expressed as a percent as shown in the following equation:

$$RPD = \frac{|X - Y|}{(X + Y) / 2} \times 100\%$$

Where:

X = Primary sample concentration (primary field investigative sample, MS, or LCS)
Y = Duplicate sample concentration (field duplicate [FD], MSD, or LCSD)

To evaluate precision, the RPDs for MS/MSDs and LCS/LCSDs were compared to laboratory historical limits. The RPDs for FDs were compared to the project precision goal of 50 percent for aqueous samples.

RSD is the standard deviation of a set of values divided by the average value expressed as a percent as shown in the following equation:

$$RSD = S / \bar{X} \times 100$$

where:

S = The standard deviation of the sample data

$\bar{X}$ = The arithmetic mean of the sample data.

RSDs can be used to evaluate the linearity of the initial calibration (EPA, 1986).

Accuracy is a measure of the agreement of an analytical result with the true value. Accuracy, as discussed in Section A3.3.2 in the QAP, is typically expressed as a percent recovery (%R) calculated by the ratio of the measurement and accepted true value as shown in the following equation:

$$\%R = ((X_s - X_u) / K) \times 100\%$$

where:

X_s = Measured value of the spiked sample

X_u = Measured value of the unspiked sample

K = Known amount of the spike in the sample.

Analytical accuracy is assessed through the analysis of spikes such as surrogates, MS/MSDs and LCS/LCSDs, performance evaluation samples, standard reference materials (SRMs) and calibration check samples. Surrogates and MS/MSDs are spiked into the actual sample matrix and are accuracy indicators that take into account the nature of the matrix in question and the native concentration of the analyte spiked. Matrix variability or interferences from high concentrations of native compounds may adversely affect spike recovery and yield less than conclusive data. Accuracy checks that focus on analytical method and consist of compounds spiked in a blank or non-interfering matrix (e.g., LCSs, SRMs, or calibration check samples) address the accuracy of the method and/or instrumentation at detecting the target analyte(s) at a certain quantification level and are not considered to be subject to matrix effects.

Representativeness, as described in Section A3.3.3 in the QAP, is a qualitative parameter that expresses the degree to which sample data actually represent the matrix conditions. For example, in conducting groundwater monitoring, representativeness requires proper location of wells and the collection of samples under consistent, documented procedures. Wells are located based upon the results of the hydrogeologic study in progress and are designed to provide maximum coverage of the flow conditions. Requirements and procedures for sample collection and handling are designed to maximize sample representativeness. Representativeness can also be monitored by reviewing field documentation and by performing field QA audits.

Completeness, as discussed in Section A3.3.4 in the QAP, represents the percentage of valid data collected from a sampling/analytical program or measurement system compared to the

amount achieved under optimal conditions. The completeness goal for investigative samples is 95 percent. Completeness is calculated using the following formula:

$$\text{Percent Complete} = \frac{\text{Valid Data}}{\text{Total Data}} \times 100\%$$

Comparability, as discussed in Section A3.3.5 of the QAP, is a qualitative parameter expressing the confidence with which one data set can be compared with another. Comparability for sampling and analysis tasks is achieved by:

- Specifying well-recognized techniques and accepted standard methods for sampling and analysis, and using well-trained sampling and analysis technicians to execute the prescribed methods consistently.
- Requiring that all sampling and analysis personnel produce adequate documentation to record how the prescribed methods were actually executed.
- Noting non-conformances and corrective measures taken.

Specifying standardized laboratory methods helps to ensure that the data generated for an event are comparable to past and future activities.

Sensitivity is used broadly here to describe the method detection limits (MDLs) or reporting limits (RLs) established to meet project-specific data quality objectives (DQOs); and not limited to the definition, which describes the capability of a method or instrument to discriminate between measurement responses. Several limits have been established to describe sensitivity requirements as specified in Section A3.3.6 of the QAP. Reported instrument detection limits (IDLs) and MDLs are typically based upon a reagent water matrix or purified solid, and ignore sample matrix interferences and the resulting effects on the limits. For this reason, published MDLs or IDLs may not be achievable for environmental samples. The QAP RLs were generated by the laboratory and may exceed Preliminary Screening Values (PSVs)/Regional Screening Levels (RSLs) (United States Environmental Protection Agency [USEPA], 2017) due to instrument limitations. Section 6.2 discusses the comparisons between the RSLs and the laboratory RLs and MDLs for this investigation.

2.5 ANALYTICAL SERVICES

TestAmerica Laboratories Inc., Savannah, Georgia (TALSAV), provided analytical services for the sampling conducted by MES.

2.5.1 Analytical Program

The QAP lists the EPA analytical methods used to meet definitive data requirements. Based on activities conducted at Landfill 3 and FANWR during the November 2020 and May 2021 sampling events, the methods used to analyze constituents of concern in samples during the investigation were:

- Method SW8260B - VOCs by Gas Chromatography/Mass Spectrometry (GC/MS)
- Method RSK-175 - Methane, Ethane, and Ethene by GC
- Method SW9060/A - Total Organic Carbon (TOC)

2.5.2 Quality Control

The QAP describe the analytical QC requirements. The results of the analytical QC data review for this investigation are presented in Section 5.0.

3.0 ASSESSMENT OF DATA QUALITY

Data quality is assessed through two review processes. The contracted analytical laboratory performs the first data review to assess compliance with QAP-approved analytical methods (MES, 2005) and with laboratory standard operating procedures (SOPs). MES performs the second data review to assess compliance with the QA objectives, and to assess hard copy and electronic deliverable consistency and integrity.

3.1 LABORATORY DATA QUALITY ASSESSMENT

The laboratory data quality assessment includes an analytical data review to ensure accurate and complete data reporting and compliance with the analytical method specifications.

3.1.1 Laboratory Qualification of Data

The laboratory will flag analytical results, when necessary, to indicate potential impacts to data usability and to alert the user to special analytical conditions. More than one qualifier may be used to indicate multiple conditions or situations that apply to an individual result. The following laboratory qualifiers were used during this investigation:

FLAG	DESCRIPTION
B	Analyte detected in an associated blank.
J	Estimated value. The analyte is positively identified and the concentration is less than the RL but greater than the MDL.
U	Analyte was not detected.

3.2 MES DATA QUALITY AND USABILITY ASSESSMENT

The following sections describe the procedures that MES followed to assess the quality and usability of both field measurement and definitive data. Data assessment is complete when 100 percent of the information have been collected and reviewed. Based on the results of the review process, data are categorized as fully usable, usable as qualified, or rejected.

3.2.1 Data Review and Validation

MES reviewed the analytical data in accordance with the QAP (MES, 2005), analytical methods (EPA, 1993 through 2015), and *USEPA Contract Laboratory Program National Functional Guidelines for Organic and Inorganic Data Review* (EPA, 1999 and 2002 or most current version). The data review process included reviewing and evaluating 100 percent of the hard copy data for (1) extraction and analysis holding times, (2) surrogate recoveries, (3) blank detections, (4) LCS/LCSD recoveries and RPDs, (5) MS/MSD recoveries and RPDs, (6) FD RPDs, (7) laboratory duplicate RPDs, if applicable, (8) initial and continuing calibrations, (9) instrument tuning and performance, and (10) reporting limits.

Hard copy data packages were checked to verify that the following items were included:

- Case narrative
- Data summary sheets
- Initial and continuing calibrations
- Method or preparation blanks (at least one per QC batch)
- Surrogate recoveries (if applicable)
- MS/MSD (5% of client samples)
- LCS/LCSD (one per QC batch)
- Serial dilution (if applicable)
- Post digestions spike (if applicable)
- Internal standards (if applicable)
- Duplicate analyses (laboratory duplicate sample, LCS/LCSD and/or MS/MSD, as applicable)
- Holding times
- Retention time window calculation (if applicable)
- Standard preparation sheets
- Linear range calculations (correlation coefficients)

All data were reviewed for all of the items listed. The results of the review of the chemical data obtained during this investigation are included in Section 5.0.

3.2.2 MES Qualification of Data

Based on the data review, MES assigned final qualifiers to analytical results on both the hard copy results and in the database. The following final qualifiers were assigned to the results to describe data quality and usability:

FLAG	DESCRIPTION
B	Analyte detected in an associated blank.
J	Estimated detection. The associated numerical value is the approximate concentration of the analyte in the sample.
UB	Analyte considered not detected based on concentration in an associated blank.
UJ	Analyte was analyzed for, but was not detected. The reported quantitation limit is estimated.

Whenever duplicate sets of results were reported by the laboratory due to re-extractions, re-analyses, or dual column analytical methods, the MES reviewer chose the “most-preferred” results based on the data review. In the “Reportable Result” column shown on the hard copy sample data reports and the database, MES assigned a “Y” flag for the “most-preferred” results, and an “N” flag for the “least-preferred” results. When there was only one set of laboratory reported results, MES assigned a “Y” flag in the “Reportable Result” column. In Section 5.0, only the reportable results (flagged “Y”) are shown in Tables 4-2 to 4-9.

4.0 RESULTS OF QUALITY CONTROL ANALYSES

Table 4-1 lists the samples and analytical methods included in the investigation for Landfill 3 and FANWR. To evaluate the data quality, the results were compared to method requirements and laboratory historical control limits.

Table 4-2 lists the analytical results that were qualified based on the data review process. Table 4-3 summarizes the number of records that were qualified for each analytical method. Based on the information in Tables 4-2 and 4-3, 2 percent of the analytical data were qualified. None of the data were rejected. The results of the data review process are discussed further in the following sections.

4.1 QUALITY CONTROL PROCEDURES AND RESULTS OF QUALITY CONTROL ANALYSES

Two types of QC results were used to evaluate data quality: field QC samples were collected and analyzed to evaluate field sampling activities, and laboratory QC samples were analyzed to evaluate laboratory analytical procedures and maintain control of the analytical methods.

4.1.1 Field Quality Control Procedures and Analyses

Field QC samples included MS/MSD samples, FDs, and trip blanks. The *QAP* was used as guidance to identify the appropriate number of field QC samples, procedures for their collection and analysis, and evaluation of results required for this investigation. The evaluation procedures for the field QC sample analyses are summarized below.

4.1.1.1 Matrix Spike/Matrix Spike Duplicate Samples

MS/MSD samples are investigative samples spiked by the laboratory with known concentrations of target analytes. MS/MSD sample results are used to evaluate possible matrix interferences. The formulas used to calculate the percent recoveries and RPDs are presented in Section 2.3.

Accuracy was assessed by calculating the MS/MSD percent recoveries of the concentrations of the target analytes added to the investigative sample. The percent recoveries were then compared

to laboratory historical control limits. When the MS and MSD percent recoveries were outside laboratory historical control limits, the MS/MSD qualifications were used to qualify only the results for the investigative sample used for the MS/MSD. Qualifiers were applied only when both the MS and MSD percent recoveries were outside laboratory historical control limits. Low recoveries in an MS/MSD sample pair may indicate the matrix has negatively influenced the results. Constituent concentrations could be potentially higher in samples with low MS/MSD recoveries. High MS/MSD recoveries may indicate the matrix has positively influenced the results. Constituent concentrations may be potentially lower in samples with high MS/MSD recoveries.

Precision was assessed by calculating the RPDs for the MS/MSD sample pairs. The MS/MSD RPD values were reviewed to assess the precision of the analytical results based on the magnitude of the RPD values. In cases where a target analyte was not detected in either the MS or MSD or was detected in only one of the samples, an RPD would not be valid, and therefore, was not calculated. Qualifiers were not applied based on MS/MSD RPD values, however, the MS/MSD RPD values were compared to laboratory historical control limits to assess if further evaluation of the data was warranted.

For this investigation, six aqueous MS/MSD samples were collected; three MS or MS/MSDs were analyzed for method SW9060, six MS/MSDs were analyzed for method SW8260B, and two MS/MSDs were analyzed for Method RSK-175. A summary of the MS/MSD percent recovery data is shown in Table 4-4. Results outside criteria are indicated. Data qualified due to MS/MSD recoveries are presented in Table 4-2.

The MS/MSD RPD results are shown in Table 4-4. Results outside criteria are indicated. Dichlorodifluoromethane was above criteria for OLF-G07 sampled 5/13/21. Analyte was not detected in the associated sample. Sample results were not qualified based on MS/MSD RPD results. One hundred percent of the MS/MSD RPD results were within the laboratory control limits. The overall variability of the precision measurements is considered to be acceptable based on the other MS/MSD results and the MS/MSD RPD results. Results outside criteria are indicated.

4.1.1.2 Field Duplicate Samples

FD samples were collected and analyzed as specified in the QAP (Section A6.3.5). FD samples are independent samples collected simultaneously or in immediate succession with the original investigative samples such that they are expected to be equally representative of the medium at the time of sampling. These samples provide precision information for the entire measurement system, including sample collection, handling, shipping, storage, preparation, and analysis. The precision of FD pairs were assessed by calculating the RPDs using the equation in Section 2.3. In cases where a target analyte was not detected in either sample or was detected in only one of the samples, an RPD would not be valid, and therefore, was not calculated.

Sixteen FD samples were collected for this investigation. Table 4-5 lists the original station names from the COC forms (i.e. COC IDs used to disguise the sample's identity when the sample was sent to the laboratory), the parent station name, and the methods analyzed. The results for the FD and associated investigative sample analyses were reviewed to assess the precision of the analytical results based on the magnitude of the RPD values.

Table 4-6 shows the RPDs calculated for the investigative and FD sample pairs. The criterion of 50 percent for aqueous samples was used to assess if further evaluation of the data was warranted. All RPDs met criterion, with three exceptions. All three of the RPDs outside criteria have the sample concentration(s) not greater than five times the reporting limit in one of both samples. Therefore, the overall variability of the precision measurements is considered to be acceptable.

4.1.1.3 Trip Blank, Equipment Blank, and Material (Source Water Blank) Analyses

Trip blanks (TBs) are used to assess the potential introduction of contaminants from sample containers or during the sampling, transportation, and storage procedures (MES, 2005). A TB sample consists of VOC sample vials filled in the laboratory with ASTM Type II reagent grade water, transported to the sampling site, handled like an environmental sample and returned to the laboratory for analysis. TBs are not opened in the field and are only prepared when aqueous VOC samples are scheduled to be collected and analyzed by the laboratory. Sample results are considered affected by trip blank contamination when the sample concentration is less than five times the blank concentration (ten times for common laboratory contaminants acetone, methylene chloride, and 2-butanone). Affected sample results less than the reporting limit and less than five times the associated blank concentration are considered non-detects at the reporting limit. Affected sample results greater than the reporting limit and less than five times the blank are considered non-detects at the concentration observed in the sample. There were nine TBs used for this investigation. No analytes were detected in the TBs.

Equipment blanks (EBs) are used to assess the effectiveness of equipment decontamination procedures. One EB per sampling team was collected per event and analyzed for the same laboratory analyses requested for the associated investigative samples collected during that same event. EBs were not collected if dedicated equipment or disposable equipment were used for sampling. Two equipment blanks were collected. Analytes detected in EBs are presented in Table 4-9. Requested analytes were not detected in EBs. Analytes were not detected in the associated samples or sample concentrations were greater than five times the blank detection. No data were qualified based on EBs.

Material Blanks (Source Water Blanks [WS]) are used to determine if there are any analytes in the water used for the EB. Two material blanks were collected; one for each sampling round. methane was detected in the MB for the November 2020 sampling round; methane was not detected in the associated samples or was detected at concentrations ten times or greater the blank concentration. No data were qualified based on the WS results.

4.1.2 Laboratory Quality Control Procedures and Analyses

Laboratory QC checks include internal system checks and QC samples used to monitor the possible effect of laboratory activities on sample results. The analytical method and method-specific SOPs developed by the laboratory define the types of laboratory QC checks required. QC procedures followed by the laboratory include sample container inspection, COC documentation review, sample holding time review, LCS/LCSD analyses, method blank analyses, and surrogate spike percent recovery evaluation. The laboratories are also responsible for analytical instrument calibration, which includes method-specific criteria for initial and continuing calibrations for external and internal standard calibration procedures.

4.1.2.1 Initial Sample Inspection and Chain-of-Custody Documentation

The laboratory inspected the shipping containers upon receipt and compared the contents with the COC form associated with each cooler. Information from the sample check-in procedure was recorded on the Sample Receipt Form. Sample anomalies were documented on the Sample Receipt Form. These forms were used by the laboratory to document that sample identifications listed on the COC forms agreed with the samples contained in the coolers. The laboratory verified that COC forms were filled out properly, sample containers were not broken, custody seals were intact, the pH met method-specific criteria for water samples (if applicable), and cooler temperatures were maintained at 4 ± 2 degrees Celsius. The completed forms are included in the laboratory analytical packages and were reviewed during the data review process.

MES compared the data on the COC forms with the laboratory reports and documented any differences. If minor discrepancies were found and verified by the laboratory, the laboratory reports and MES electronic databases were corrected. In addition to the COC checks, MES reviewers verified approximately 10 percent of the laboratory hard copy reports against the laboratory electronic data deliverables.

4.1.2.2 Holding Times

Samples were shipped regularly in coordination with the analytical laboratory to ensure analyses were conducted within the required holding times. The time elapsed between sample collection and sample extraction/analysis was calculated as part of the review process to evaluate if holding times were met. All holding times met criteria.

4.1.2.3 Laboratory Control Sample/Laboratory Control Sample Duplicate

The laboratory analyzed LCS/LCSD pairs with each analytical batch of field samples to assess internal precision and accuracy. LCS/LCSD pairs consisted of analyte-free water spiked with selected target constituents of known concentration. The LCS/LCSD percent recoveries and RPDs are used to determine laboratory accuracy and precision, respectively. The formulas used to calculate the percent recoveries and RPDs are presented in Section 2.3. The percent recoveries and RPDs were then compared to laboratory historical control limits. When the LCS and LCSD percent recoveries were outside laboratory historical control limits, the LCS/LCSD qualifications were applied to investigative samples within the same analytical batch. Qualifiers were applied only when both the LCS and LCSD percent recoveries were outside laboratory historical control limits. Qualifiers were not applied based on LCS/LCSD RPD values, however, the LCS/LCSD RPD values were compared to laboratory historical control limits to assess if further evaluation of the data was warranted. For this investigation, MES reviewed the LCS/LCSD percent recoveries and RPDs for Methods SW9060A, RSK-175, and SW8260B.

Table 4-7 shows the LCS/LCSD percent recovery and RPD data. The LCS or LCSD percent recoveries were within the laboratory historical control limits with some exceptions. There were 23 LCS, 22 LCSD, and 14 RPDs outside acceptance criteria are indicated. Data qualified based on LCS and LCSD recoveries are presented in Table 4-2.

Greater than 98 percent of the LCS/LCSD recoveries and RPD results were within the laboratory control limits, therefore, the overall variability of the precision measurements is considered to be acceptable.

4.1.2.4 Method Blank and Continuing Calibration Blank Samples

Method blanks are prepared and analyzed by the laboratory to assess the level of background interferences and possible contamination in the analytical system. The method blank must be carried through the complete procedure and contain analyte-free reagents in the same volumes as used in processing the samples. The goal is to conduct investigative sample analysis in such a manner that sample contamination is not introduced by the analytical methods, equipment, or reagents. If such contamination occurs, it is usually identified by the detection of target analytes at trace or low concentrations in the method blanks. When these detections are found, the laboratory investigates the source, qualifies the affected data as appropriate according to the magnitude of the detections, and implements corrective measures as appropriate. For this investigation, method blanks were prepared and analyzed with each analytical batch for Methods SW9060A, RSK-175, and SW8260B.

The following qualifications are used when blank contamination is suspected:

- When an organic target analyte was detected in the sample and associated method blank, affected sample results with concentrations less than five times the blank concentration (ten times for common laboratory contaminants acetone, methylene chloride, and 2-butanone [VOCs], and phthalate esters [SVOCs]) were qualified as non-detect (UB) at the reporting limit (when the sample concentration was less than the reporting limit) or qualified as non-detect (UB) at the concentration observed in the sample (when the sample concentration was greater than the reporting limit).
- When an inorganic target analyte was detected in the sample and associated method blank, if the method blank result was above the MDL but below the RL, no qualifiers were required. When the method blank result was above the RL, associated sample results above the MDL but below the RL were qualified as non-detect (UB) at the RL, and associated sample results above the RL but below ten times the blank concentration were qualified as estimated (JB).

No data were qualified based on blanks. Analytes detected in blanks are presented in Table 4-9.

4.1.2.5 Surrogate Recovery

Surrogate spike compounds were added to investigative samples during organic analyses to assess the individual matrix effect of investigative samples and to monitor overall analytical system performance. Surrogate recoveries that are outside the laboratory historical control limits

may indicate performance problems with the analytical system and extraction procedures, or significant matrix effects when evaluated in conjunction with the MS/MSD results. MES reviewers used laboratory historical control limits to assess percent recoveries for surrogate spike constituents. For sample results affected by surrogate percent recoveries less than the lower control limit, detects were qualified as estimated (JS) and may be biased low, and non-detects were qualified as estimated (UJS) and may be potential false negatives. For sample results affected by surrogate percent recoveries greater than the upper control limit, detects were qualified as estimated (JS) and may be biased high.

A summary of the surrogate percent recovery data is provided in Table 4-8. All surrogates met criteria. Samples qualified based on surrogate recoveries are presented in Table 4-2.

4.1.2.6 Internal Standards

Adherence to method-specific internal standards (ISs) criteria ensures that GC/MS sensitivity and response are stable during each analysis. SW-846 recommended ISs are often brominated, fluorinated, or stable isotopically labeled analogs of specific target compounds, or are closely related compounds whose presence in environmental samples is unlikely. The IS spike solution is added after the preparation or extraction of a sample. ISs are used in internal calibration methods to correct sample results affected by column injection loss, purging loss, or viscosity effects. ISs are added to environmental samples, control standards, and blanks, in accordance with method requirements and laboratory SOPs (MES, 2005).

All IS met criteria. No data were qualified based on IS recoveries.

4.1.2.7 Initial and Continuing Calibration

The calibration of an analytical instrument involves the delineation of the relationship between the response of the instrument and the concentration of an analyte introduced into the instrument. An initial calibration (ICAL) is performed on an analytical instrument prior to the analysis of samples to ensure that the equipment is capable of producing acceptable qualitative and quantitative data. The continuing calibration (CCAL) is the verification of the ICAL at periodic intervals. The CCAL demonstrates that the instrument is capable of acceptable performance

during the course of the analytical analysis. Review of the ICAL data included the evaluation of the correlation coefficients and relative standard deviations. Review of the CCAL data included the evaluation of the percent difference based on the CCAL relative response factor (RRF) compared to the ICAL RRF, and the check of the percent recovery or percent difference between the concentration of the CCAL standard and the expected concentration.

Iodomethane recovered below criteria in the CCAL for batches 680-645728, -646112, and -645436. Data qualified based on calibration data are presented in Table 4-2.

4.2 SUMMARY OF DATA QUALITY INDICATORS

4.2.1 Precision

As discussed in Section 2.3, the precision evaluation included field precision (FDs), laboratory precision (LCS/LCSDs), and combined field/laboratory precision (MS/MSD samples). The MS/MSD, FD, and LCS/LCSD RPDs are discussed in Sections 5.1.1.1, 5.1.1.2, and 5.1.2.3 of this report, respectively. Based on this evaluation, the precision of the data is acceptable for its intended use.

4.2.2 Accuracy

As discussed in Section 2.3, the accuracy evaluation included a comparison of spike recoveries from field samples (surrogate and MS/MSD spikes) and laboratory QC samples (LCS and LCSD). The MS/MSD, LCS/LCSD, and surrogate spike recoveries are discussed in Sections 5.1.1.1, 5.1.2.3, and 5.1.2.5 of this report, respectively. Recoveries from MS/MSDs, LCS/LCSD and surrogate percent recoveries were compared to laboratory historical control limits to determine a laboratory's ability to accurately determine both qualitative and quantitative results. The investigative sample results were within the required percent recovery limits except as noted. The accuracy of sample results can also be affected by holding time violations discussed in Section 5.1.2.2. The investigative sample results were within the required holding time limits except as noted. Based on this evaluation, the accuracy of the data is acceptable for its intended use.

4.2.3 Representativeness

Representativeness is the degree to which the data accurately and precisely portray the environmental conditions being studied. For this investigation, sampling procedures and locations were selected to accurately represent overall site conditions and were biased towards areas that were likely to exhibit evidence of past releases. Sampling was conducted using known, approved field procedures to minimize variability introduced during field sampling. The investigative and FD analyses indicate that the overall combined variability introduced by the sampling procedures, sample matrix, and laboratory analysis is acceptable, and the FD samples are representative of the data associated with the investigative sample.

4.2.4 Completeness

Completeness refers to the amount of valid data obtainable from a measurement system compared to the expected amount of data. Data that have not been qualified as rejected during the data validation process are considered to be valid. As presented in the QAP (MES, 2004), a completeness goal of 95 percent was established for investigations. Of the 7230 investigative and field duplicate sample results from the investigation, none of the results were qualified as rejected based on MES' review of the data. Therefore a completeness of 100 percent was calculated for the investigation, which exceeds project goals. One hundred percent of the results are usable or usable as qualified and are acceptable for their intended use.

4.2.5 Comparability

Comparability expresses the confidence with which one data set can be compared to another. Comparability objectives were met by minimizing the number of contract laboratories used, using EPA methods for analyses, and reporting results in standardized units. The comparability objective for the project was fulfilled.

5.0 REPORTING LIMITS AND DATA USES

This section discusses the laboratory reporting limits and how they compare to RSLs.

5.1 LABORATORY REPORTING LIMITS

TALSAV confirm reporting limits on an annual or quarterly basis by performing MDL studies. The MDL is defined as the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero and is generated from the analysis of a sample in a given matrix containing the analyte (40 Code of Federal Regulations, Chapter 1, Part 136, Appendix B). The RL is defined as the lowest concentration of the target analyte required to be reported. This value is based on project-specific criteria.

The laboratory reports detections that are below the RL as estimated values by assigning a flag to the analytical result. This flag is assigned because the laboratory cannot accurately quantify analyte concentrations at levels below the RL. For detections in the concentration range between the MDL and the RL, the laboratory is confident of the analyte identification and detection but can only estimate the analyte concentration.

5.2 COMPARISON OF LABORATORY REPORTING LIMITS TO RSLs AND RBTLs

For this assessment, the RSLs and RBTLs were compared to the laboratory RLs and MDLs. Table 5-1 shows a summary of the RLs and MDLs compared to RSLs and RBTLs. The laboratory RLs and MDLs were equal to or lower than the RSLs with the exception of a few analytes as shown in Table 5-1. However, in all cases the RLs and MDLs for the COCs and ancillary COCs are lower than the risk-based target levels (RBTLs) / groundwater protection standards (ADEM, 2014).

6.0 CONCLUSIONS

This DQS presents in specific terms the QA and QC practices used to achieve the project objectives for the Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield, Parcel 229(7) investigations. Samples were also collected and analyzed in accordance with EPA methods and using laboratory-specific QA/QC procedures. These procedures were followed to generate legally and technically defensible data.

Several of the quality issues addressed in Section 5.0 of this report resulted in qualification of investigative sample results. The data were acceptable with the following qualifications:

- Nine sample results were qualified as estimated detect (J) or non-detect (UJ) because of CCV percent recovery data that were outside laboratory historical control limits.
- One sample result was qualified due to a blank detection. This resulted in the qualification of sample result as non-detect at the RL or sample concentration (UB).

Based on this review, the analytical data generated for these sampling events are adequate to fulfill program objectives and may be used to evaluate the implementation and performance of groundwater corrective measures.

7.0 REFERENCES

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TABLES

Table 4-1: Sample Index
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 80(6), LANDFILL	OLF-G07	NS	WG	11/18/2020	TALSAV	680-191752-1	680-191752-17	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	MSD	WG	11/18/2020	TALSAV	680-191752-1	680-191752-17 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	MS	WG	11/18/2020	TALSAV	680-191752-1	680-191752-17 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G12	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-19	RSK-175
PARCEL 80(6), LANDFILL	OLF-G12	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-19	SW8260B
PARCEL 80(6), LANDFILL	OLF-G18	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G19	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G20	NS	WG	11/18/2020	TALSAV	680-191752-1	680-191752-16	SW8260B
PARCEL 80(6), LANDFILL	OLF-G21	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G22	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G23	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-18	RSK-175
PARCEL 80(6), LANDFILL	OLF-G23	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-18	SW8260B
PARCEL 80(6), LANDFILL	OLF-G24	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G26	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G31	NS	WG	11/12/2020	TALSAV	680-191468-1	680-191468-23	SW8260B
PARCEL 80(6), LANDFILL	OLF-G32	NS	WG	11/12/2020	TALSAV	680-191468-1	680-191468-25	SW8260B
PARCEL 80(6), LANDFILL	OLF-G35	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G36	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	NS	WG	11/11/2020	TALSAV	680-191468-1	680-191468-20	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	MS	WG	11/11/2020	TALSAV	680-191468-1	680-191468-20 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	MSD	WG	11/11/2020	TALSAV	680-191468-1	680-191468-20 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G43	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-12	SW8260B
PARCEL 80(6), LANDFILL	OLF-G47	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-15	SW8260B
PARCEL 80(6), LANDFILL	OLF-G48	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-14	SW8260B
PARCEL 80(6), LANDFILL	OLF-G49	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G50	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G51	NS	WG	11/17/2020	TALSAV	680-191752-1	680-191752-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G52	NS	WG	11/16/2020	TALSAV	680-191752-1	680-191752-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G70	NS	WG	11/12/2020	TALSAV	680-191468-1	680-191468-24	SW8260B
PARCEL 80(6), LANDFILL	OLF-G70	FD	WG	11/12/2020	TALSAV	680-191468-1	680-191468-26	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT1	NS	WG	11/12/2020	TALSAV	680-191468-1	680-191468-1	SW8260B

Table 4-1: Sample Index
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 80(6), LANDFILL	OLF-G71-PORT2	NS	WG	11/12/2020	TALSAV	680-191468-1	680-191468-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT3	NS	WG	11/12/2020	TALSAV	680-191468-1	680-191468-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT4	NS	WG	11/12/2020	TALSAV	680-191468-1	680-191468-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT5	NS	WG	11/12/2020	TALSAV	680-191468-1	680-191468-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6 MS	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6 MSD	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6 MS	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	11/11/2020	TALSAV	680-191488-1	680-191488-6 MSD	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-7	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-7	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-8	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-8	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-9	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-9	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-10	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-10	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-11	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-11	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-6	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-6	SW9060

Table 4-1: Sample Index
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-7	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-7	SW9060
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-8	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-8	SW9060
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-9	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-9	SW9060
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-10	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-10	SW9060
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-1	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-2	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	FD	WG	11/11/2020	TALSAV	680-191488-1	680-191488-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	FD	WG	11/11/2020	TALSAV	680-191488-1	680-191488-13	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-3	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT4	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT4	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-4	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT5	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT5	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-5	SW9060A
PARCEL 80(6), LANDFILL 3	OLF-G75-S1	NS	WG	11/11/2020	TALSAV	680-191468-1	680-191468-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S1	FD	WG	11/11/2020	TALSAV	680-191468-1	680-191468-17	SW8260B
PARCEL 80(6), LANDFILL 3	OLF-G75-S2	NS	WG	11/11/2020	TALSAV	680-191468-1	680-191468-12	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S2	FD	WG	11/11/2020	TALSAV	680-191468-1	680-191468-18	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S3	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S4	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-14	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S5	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-15	SW8260B

Table 4-1: Sample Index
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 80(6), LANDFILL	OLF-G75-S6	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-16	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-19	RSK-175
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-19	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-19	SW9060
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	11/10/2020	TALSAV	680-191488-1	680-191488-12	RSK-175
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	11/10/2020	TALSAV	680-191488-1	680-191488-12	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	11/10/2020	TALSAV	680-191488-1	680-191488-12	SW9060A
PARCEL 80(6), LANDFILL	OLF-G78	NS	WG	11/10/2020	TALSAV	680-191468-1	680-191468-21	SW8260B
PARCEL 80(6), LANDFILL	PPMP-229-GP12	NS	WG	11/11/2020	TALSAV	680-191488-1	680-191488-14	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	NS	WG	5/12/2021	TALSAV	680-198824-1	680-198824-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	MSD	WG	5/12/2021	TALSAV	680-198824-1	680-198824-3 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	MS	WG	5/12/2021	TALSAV	680-198824-1	680-198824-3 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G12	NS	WG	5/6/2021	TALSAV	680-198823-1	680-198823-13	RSK-175
PARCEL 80(6), LANDFILL	OLF-G12	NS	WG	5/6/2021	TALSAV	680-198823-1	680-198823-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G16	NS	WG	5/12/2021	TALSAV	680-198823-1	680-198823-23	SW8260B
PARCEL 80(6), LANDFILL	OLF-G18	NS	WG	5/6/2021	TALSAV	680-198812-1	680-198812-12	SW8260B
PARCEL 80(6), LANDFILL	OLF-G19	NS	WG	5/6/2021	TALSAV	680-198812-1	680-198812-19	SW8260B
PARCEL 80(6), LANDFILL	OLF-G20	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-15	SW8260B
PARCEL 80(6), LANDFILL	OLF-G21	NS	WG	5/6/2021	TALSAV	680-198812-1	680-198812-26	SW8260B
PARCEL 80(6), LANDFILL	OLF-G22	NS	WG	5/6/2021	TALSAV	680-198812-1	680-198812-22	SW8260B
PARCEL 80(6), LANDFILL	OLF-G22	FD	WG	5/6/2021	TALSAV	680-198823-1	680-198823-25	SW8260B
PARCEL 80(6), LANDFILL	OLF-G23	NS	WG	5/7/2021	TALSAV	680-198812-1	680-198812-23	RSK-175
PARCEL 80(6), LANDFILL	OLF-G23	NS	WG	5/7/2021	TALSAV	680-198812-1	680-198812-23	SW8260B
PARCEL 80(6), LANDFILL	OLF-G24	NS	WG	5/7/2021	TALSAV	680-198812-1	680-198812-21	SW8260B
PARCEL 80(6), LANDFILL	OLF-G26	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-25	SW8260B
PARCEL 80(6), LANDFILL	OLF-G31	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-18	SW8260B
PARCEL 80(6), LANDFILL	OLF-G32	NS	WG	5/10/2021	TALSAV	680-198823-1	680-198823-21	SW8260B
PARCEL 80(6), LANDFILL	OLF-G32	FD	WG	5/10/2021	TALSAV	680-198824-1	680-198824-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G35	NS	WG	5/6/2021	TALSAV	680-198812-1	680-198812-14	SW8260B
PARCEL 80(6), LANDFILL	OLF-G36	NS	WG	5/7/2021	TALSAV	680-198812-1	680-198812-20	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-14	SW8260B

Table 4-1: Sample Index
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 80(6), LANDFILL	OLF-G42	MSD	WG	5/11/2021	TALSAV	680-198823-1	680-198823-14 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	MS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-14 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G43	NS	WG	5/7/2021	TALSAV	680-198812-1	680-198812-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G47	NS	WG	5/6/2021	TALSAV	680-198812-1	680-198812-16	SW8260B
PARCEL 80(6), LANDFILL	OLF-G47	FD	WG	5/6/2021	TALSAV	680-198823-1	680-198823-12	SW8260B
PARCEL 80(6), LANDFILL	OLF-G48	NS	WG	5/6/2021	TALSAV	680-198812-1	680-198812-17	SW8260B
PARCEL 80(6), LANDFILL	OLF-G49	NS	WG	5/12/2021	TALSAV	680-198823-1	680-198823-18	SW8260B
PARCEL 80(6), LANDFILL	OLF-G50	NS	WG	5/12/2021	TALSAV	680-198823-1	680-198823-19	SW8260B
PARCEL 80(6), LANDFILL	OLF-G51	NS	WG	5/12/2021	TALSAV	680-198823-1	680-198823-20	SW8260B
PARCEL 80(6), LANDFILL	OLF-G52	NS	WG	5/10/2021	TALSAV	680-198823-1	680-198823-22	SW8260B
PARCEL 80(6), LANDFILL	OLF-G70	NS	WG	5/7/2021	TALSAV	680-198812-1	680-198812-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT1	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT2	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT3	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT4	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT5	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1 MSD	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1 MSD	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1 MS	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-1 MS	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-2	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-2	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-3	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-3	SW9060A

Table 4-1: Sample Index
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-4	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-4	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-5	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-5	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-6	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-6	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-1	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-1	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-2	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-2	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-3	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-3	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-4	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-4	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-5	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-5	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-6	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	FD	WG	5/10/2021	TALSAV	680-198812-1	680-198812-15	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	FD	WG	5/10/2021	TALSAV	680-198812-1	680-198812-15	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-7	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-8	SW8260B

Table 4-1: Sample Index
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-8	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	MSD	WG	5/10/2021	TALSAV	680-198812-1	680-198812-8 MSD	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	MS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-8 MS	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT4	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT4	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-9	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT5	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT5	NS	WG	5/10/2021	TALSAV	680-198812-1	680-198812-10	SW9060A
PARCEL 80(6), LANDFILL	OLF-G75-S3	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-16	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S5	NS	WG	5/11/2021	TALSAV	680-198823-1	680-198823-17	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	5/12/2021	TALSAV	680-198824-1	680-198824-1	RSK-175
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	5/12/2021	TALSAV	680-198824-1	680-198824-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	5/12/2021	TALSAV	680-198824-1	680-198824-1	SW9060A
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	5/12/2021	TALSAV	680-198824-1	680-198824-2	RSK-175
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	5/12/2021	TALSAV	680-198824-1	680-198824-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	5/12/2021	TALSAV	680-198824-1	680-198824-2	SW9060A
PARCEL 80(6), LANDFILL	OLF-G78	NS	WG	5/12/2021	TALSAV	680-198824-1	680-198824-5	SW8260B
PARCEL 80(6), LANDFILL	PPMP-229-GP12	NS	WG	5/7/2021	TALSAV	680-198812-1	680-198812-24	SW8260B
MCCLELLAN FIELD QC	TB570	TB	W	11/12/2020	TALSAV	680-191468-1	680-191468-22	SW8260B
MCCLELLAN FIELD QC	TB569	TB	W	11/12/2020	TALSAV	680-191488-1	680-191488-15	SW8260B
MCCLELLAN FIELD QC	EB136	EB	WG	11/18/2020	TALSAV	680-191752-1	680-191752-20	RSK-175
MCCLELLAN FIELD QC	EB136	EB	WG	11/18/2020	TALSAV	680-191752-1	680-191752-20	SW8260B
MCCLELLAN FIELD QC	EB136	EB	WG	11/18/2020	TALSAV	680-191752-1	680-191752-20	SW9060A
MCCLELLAN FIELD QC	Material 106	WS	W	11/18/2020	TALSAV	680-191752-1	680-191752-21	RSK-175
MCCLELLAN FIELD QC	Material 106	WS	W	11/18/2020	TALSAV	680-191752-1	680-191752-21	SW8260B
MCCLELLAN FIELD QC	Material 106	WS	W	11/18/2020	TALSAV	680-191752-1	680-191752-21	SW9060A
MCCLELLAN FIELD QC	TB571	TB	WG	11/18/2020	TALSAV	680-191752-1	680-191752-22	SW8260B
MCCLELLAN FIELD QC	TB578	TB	W	5/12/2021	TALSAV	680-198812-1	680-198812-27	SW8260B
MCCLELLAN FIELD QC	TB579	TB	W	5/12/2021	TALSAV	680-198823-1	680-198823-24	SW8260B
MCCLELLAN FIELD QC	EB138	EB	W	5/12/2021	TALSAV	680-198824-1	680-198824-8	RSK-175
MCCLELLAN FIELD QC	EB138	EB	W	5/12/2021	TALSAV	680-198824-1	680-198824-8	SW8260B
MCCLELLAN FIELD QC	EB138	EB	W	5/12/2021	TALSAV	680-198824-1	680-198824-8	SW9060A

Table 4-1: Sample Index
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Site Name	Station Name	QC Code	Matrix	Sample Date	Lab	Delivery Group	Laboratory Sample ID	Method
MCCLELLAN FIELD QC	MB108	WS	W	5/12/2021	TALSAV	680-198824-1	680-198824-7	RSK-175
MCCLELLAN FIELD QC	MB108	WS	W	5/12/2021	TALSAV	680-198824-1	680-198824-7	SW8260B
MCCLELLAN FIELD QC	MB108	WS	W	5/12/2021	TALSAV	680-198824-1	680-198824-7	SW9060A
MCCLELLAN FIELD QC	TB580	TB	W	5/12/2021	TALSAV	680-198824-1	680-198824-6	SW8260B

Notes:

EB = Equipment blank

FD = Field duplicate

ID = Identification

MS = Matrix spike

MSD = Matrix spike duplicate

NS = Normal sample

QC = Quality Control

TAL = TestAmerica, Savannah, GA

TB = Trip blank

W = Water

WG = Ground water

Notes:

EB - Equipment Blank

FD - Field Duplicate

ID - Identification

LD - Laboratory Duplicate

MS - Matrix Spike

MSD - Matrix Spike Duplicate

NS- Normal Sample

QC - Quality Control

TALSAV - TestAmerica Laboratories, Savannah, Georgia

TB - Trip Blank

W - Water

WG - Groundwater

WS - Source Water

Table 4-2: Summary of Final Qualifiers
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Station Name	QC Code	Matrix	Sample Date	Delivery Group	Lab ID	Method	Parameter Name	Value	Lab Flag	Vaidation Code	Units
OLF-G42	NS	WG	11-Nov-20	680-191468-1	680-191468-20	SW8260B	Iodomethane	10	U	UJ	µg/L
OLF-G42	NS	WG	11-Nov-20	680-191468-1	680-191468-20	SW8260B	Trans-1,4-Dichloro-2-Butene	2	U	UJ	µg/L
OLF-G75-S1	NS	WG	11-Nov-20	680-191468-1	680-191468-11	SW8260B	Iodomethane	10	U	UJ	µg/L
OLF-G75-S1	FD	WG	11-Nov-20	680-191468-1	680-191468-17	SW8260B	Iodomethane	10	U	UJ	µg/L
OLF-G75-S2	NS	WG	11-Nov-20	680-191468-1	680-191468-12	SW8260B	Iodomethane	10	U	UJ	µg/L
OLF-G75-S2	FD	WG	11-Nov-20	680-191468-1	680-191468-18	SW8260B	Iodomethane	10	U	UJ	µg/L
OLF-G12	NS	WG	16-Nov-20	680-191752-1	680-191752-19	SW8260B	Iodomethane	10	U	UJ	µg/L
OLF-G47	NS	WG	16-Nov-20	680-191752-1	680-191752-15	SW8260B	Iodomethane	10	U	UJ	µg/L
OLF-G48	NS	WG	16-Nov-20	680-191752-1	680-191752-14	SW8260B	Iodomethane	10	U	UJ	µg/L
OLF-G72-Port2	NS	WG	11-May-21	680-198823-1	680-198823-2	SW8260B	Naphthalene	3.6	J	UB	µg/L

Notes:

FD = Field Duplicate

µg/L = micrograms per liter

NS = Normal Sample

QC = Quality Control

WG = Ground Water

Lab Qualifier:

U =- Analyte is not detected.

Validation Qualifier:

UJ = Analyte was analyzed for, but was not detected. The reported quantitation limit is estimated.

Table 4-3: Qualified Data Summary
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Lab	QC		Method	Non-Qualified		
	Code	Matrix		Results	UB	UJ
TALSAV	NS	WG	RSK-175	84		
TALSAV	NS	WG	SW8260B	6410	1	7
TALSAV	NS	WG	SW9060A	68		
TALSAV	FD	WG	RSK-175	6		
TALSAV	FD	WG	SW8260B	644		2
TALSAV	FD	WG	SW9060A	8		
TALSAV	WS	W	RSK-175	6		
TALSAV	WS	W	SW8260B	120		
TALSAV	WS	W	SW9060A	4		
TALSAV	EB	W	RSK-175	6		
TALSAV	EB	W	SW8260B	120		
TALSAV	EB	W	SW9060A	4		
TALSAV	TB	W	SW8260B	382		

Notes:

FD = Field duplicate

NS = Normal sample

QC = Quality Control

TB = Trip blank

W = Water

WG = Ground water

WS = Source water

Validation Qualifier:

UJ = Analyte was analyzed for, but was not detected. The reported quantitation limit is estimated.

Table 4-4: Summary of MS/MSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,1,1,2-Tetrachloroethane	101	103	70	130	2.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,1,1-Trichloroethane	84	84	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,1,2,2-Tetrachloroethane	98	100	70	130	2.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,1,2-Trichloroethane	99	99	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,1-Dichloroethane	91	90	70	130	1.1	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,1-Dichloroethene	105	102	70	130	2.9	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,2,3-Trichloropropane	93	98	70	130	5.2	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,2-Dibromo-3-Chloropropane	93	100	70	130	7.3	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,2-Dibromoethane	97	97	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,2-Dichlorobenzene	92	93	70	130	1.1	30
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,2-Dichloroethane	81	79	70	130	2.5	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,2-Dichloropropane	100	99	70	130	1.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,3-Dichloropropane	96	96	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	1,4-Dichlorobenzene	95	96	70	130	1.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	2-Butanone (MEK)	92	96	69	114	4.3	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	2-Hexanone	83	85	70	130	2.4	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	4-Methyl-2-Pentanone (MIBK)	85	85	68	108	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Acetone	84	89	67	113	5.8	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Acrylonitrile	90	92	70	130	2.2	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Benzene	98	97	70	130	1.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Bromochloromethane	94	94	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Bromodichloromethane	89	89	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Bromoform	100	103	69	129	3.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Bromomethane	54	69	28	192	24.4	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Carbon Disulfide	107	108	70	130	0.9	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Carbon Tetrachloride	92	90	70	130	2.2	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Chlorobenzene	104	105	70	130	1.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Chloroethane	95	91	31	213	4.3	30
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Chloroform	86	85	70	130	1.2	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Chloromethane	106	104	59	127	1.9	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Cis-1,2-Dichloroethene	89	87	70	130	2.3	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Cis-1,3-Dichloropropene	96	95	70	130	1.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Dibromochloromethane	97	96	70	130	1.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Dibromomethane	87	87	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Ethylbenzene	98	100	70	130	2.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Iodomethane	91	95	52	129	4.3	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Methylene Chloride	96	95	70	130	1.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Mtbe	86	86	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Styrene	98	99	70	130	1.0	20

Table 4-4: Summary of MS/MSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Tetrachloroethylene	110	109	70	130	0.9	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Toluene	100	101	70	130	1.0	30
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Trans-1,2-Dichloroethene	102	101	70	130	1.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Trans-1,3-Dichloropropene	84	84	70	130	0.0	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Trans-1,4-Dichloro-2-Butene	75	81	67	112	7.7	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Trichloroethene	108	101	70	130	6.7	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Trichlorofluoromethane	91	87	63	142	4.5	40
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Vinyl Acetate	80	82	67	135	2.5	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Vinyl Chloride	119	118	66	129	0.8	20
OLF-G07	WG	11/18/20	680-191752-1	SW8260B	Xylenes (Total)	97	99	70	130	2.0	30
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	97	97	80	120	0.0	20
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	97	98	80	120	1.0	20
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	97	99	80	120	2.0	20
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	98	97	80	120	1.0	20
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	98	98	80	120	0.0	20
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	98	99	80	120	1.0	20
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	99	97	80	120	2.0	20
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	99	98	80	120	1.0	30
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	99	99	80	120	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,1,1,2-Tetrachloroethane	111	110	70	130	0.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,1,1-Trichloroethane	102	101	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,1,2,2-Tetrachloroethane	104	102	70	130	1.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	98	98	63	141	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,1,2-Trichloroethane	95	92	70	130	3.2	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,1-Dichloroethane	97	96	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,1-Dichloroethene	100	103	70	130	3.0	30
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,1-Dichloropropene	100	99	70	130	1.0	30
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2,3-Trichlorobenzene	93	95	61	141	2.1	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2,3-Trichloropropane	104	102	70	130	1.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2,4-Trichlorobenzene	88	88	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2,4-Trimethylbenzene	105	104	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2-Dibromo-3-Chloropropane	98	102	70	130	4.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2-Dibromoethane	90	88	70	130	2.2	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2-Dichlorobenzene	100	101	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2-Dichloroethane	87	87	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,2-Dichloropropane	91	90	70	130	1.1	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,3,5-Trimethylbenzene	112	109	70	130	2.7	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,3-Dichlorobenzene	101	101	70	130	0.0	20

**Table 4-4: Summary of MS/MSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama**

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,3-Dichloropropane	91	90	70	130	1.1	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	1,4-Dichlorobenzene	97	98	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	2,2-Dichloropropane	90	86	70	130	4.5	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	2-Butanone (MEK)	80	76	69	114	5.1	30
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	2-Chlorotoluene	111	109	70	130	1.8	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	2-Hexanone	83	80	70	130	3.7	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	4-Chlorotoluene	116	113	70	130	2.6	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	4-Methyl-2-Pentanone (MIBK)	83	81	68	108	2.4	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Acetone	83	80	67	113	3.7	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Acrylonitrile	83	81	70	130	2.4	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Benzene	98	96	70	130	2.1	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Bromobenzene	114	110	70	130	3.6	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Bromochloromethane	88	86	70	130	2.3	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Bromodichloromethane	96	94	70	130	2.1	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Bromoform	118	117	69	129	0.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Bromomethane	132	131	28	192	0.8	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Carbon Disulfide	100	99	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Carbon Tetrachloride	108	108	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Chlorobenzene	106	104	70	130	1.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Chloroethane	110	109	31	213	0.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Chloroform	96	94	70	130	2.1	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Chloromethane	107	106	59	127	0.9	30
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Cis-1,2-Dichloroethene	100	100	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Cis-1,3-Dichloropropene	92	90	70	130	2.2	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Dibromochloromethane	101	98	70	130	3.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Dibromomethane	96	93	70	130	3.2	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Dichlorodifluoromethane	101	100	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Ethylbenzene	107	106	70	130	0.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Hexachlorobutadiene	100	101	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Iodomethane	103	105	52	129	1.9	30
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Isopropyl Benzene (Cumene)	112	111	70	130	0.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	m,p-Xylene	107	106	70	130	0.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Methylene Chloride	93	91	70	130	2.2	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Mtbe	94	92	70	130	2.2	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Naphthalene	93	92	57	149	1.1	30
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	N-Butylbenzene	101	102	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	N-Propylbenzene	114	114	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	O-Xylene	108	106	70	130	1.9	20

Table 4-4: Summary of MS/MSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	P-Isopropyltoluene (Cymene)	102	102	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Sec-Butylbenzene	109	107	70	130	1.9	40
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Styrene	111	111	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Tert-Butylbenzene	110	109	70	130	0.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Tetrachloroethylene	97	97	70	130	0.0	30
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Toluene	94	94	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Trans-1,2-Dichloroethene	100	101	70	130	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Trans-1,3-Dichloropropene	93	91	70	130	2.2	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Trans-1,4-Dichloro-2-Butene	100	98	67	112	2.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Trichloroethene	101	101	70	130	0.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Trichlorofluoromethane	102	101	63	142	1.0	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Vinyl Acetate	105	99	67	135	5.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Vinyl Chloride	105	103	66	129	1.9	20
OLF-G42	WG	5/11/21	680-198823-1	SW8260B	Xylenes (Total)	107	106	70	130	0.9	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	RSK-175	Ethane	118	115	75	125	2.6	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	RSK-175	Ethene	108	107	75	125	0.9	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,1,1,2-Tetrachloroethane	111	114	70	130	2.7	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,1,1-Trichloroethane	101	103	70	130	2.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,1,2,2-Tetrachloroethane	104	106	70	130	1.9	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	93	95	63	141	2.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,1,2-Trichloroethane	95	97	70	130	2.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,1-Dichloroethane	96	97	70	130	1.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,1-Dichloroethene	101	100	70	130	1.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,1-Dichloropropene	100	100	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2,3-Trichlorobenzene	71	93	61	141	26.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2,3-Trichloropropane	103	103	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2,4-Trichlorobenzene	72	91	70	130	23.3	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2,4-Trimethylbenzene	102	106	70	130	3.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2-Dibromo-3-Chloropropane	86	107	70	130	21.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2-Dibromoethane	90	91	70	130	1.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2-Dichlorobenzene	95	102	70	130	7.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2-Dichloroethane	88	89	70	130	1.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,2-Dichloropropane	91	91	70	130	0.0	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,3,5-Trimethylbenzene	107	112	70	130	4.6	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,3-Dichlorobenzene	96	104	70	130	8.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,3-Dichloropropane	91	91	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	1,4-Dichlorobenzene	94	102	70	130	8.2	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	2,2-Dichloropropane	90	88	70	130	2.2	20

Table 4-4: Summary of MS/MSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	2-Butanone (MEK)	80	82	69	114	2.5	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	2-Chlorotoluene	110	114	70	130	3.6	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	2-Hexanone	83	85	70	130	2.4	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	4-Chlorotoluene	112	117	70	130	4.4	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	4-Methyl-2-Pentanone (MIBK)	85	86	68	108	1.2	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Acetone	85	84	67	113	1.2	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Acrylonitrile	85	85	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Benzene	98	98	70	130	0.0	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Bromobenzene	110	114	70	130	3.6	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Bromochloromethane	88	83	70	130	5.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Bromodichloromethane	94	96	70	130	2.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Bromoform	119	120	69	129	0.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Bromomethane	108	123	28	192	13.0	40
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Carbon Disulfide	101	101	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Carbon Tetrachloride	107	107	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Chlorobenzene	102	107	70	130	4.8	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Chloroethane	108	111	31	213	2.7	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Chloroform	96	96	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Chloromethane	108	104	59	127	3.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Cis-1,2-Dichloroethene	99	101	70	130	2.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Cis-1,3-Dichloropropene	92	93	70	130	1.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Dibromochloromethane	100	102	70	130	2.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Dibromomethane	92	93	70	130	1.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Dichlorodifluoromethane	94	96	70	130	2.1	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Ethylbenzene	104	107	70	130	2.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Hexachlorobutadiene	86	98	70	130	13.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Iodomethane	81	104	52	129	24.9	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Isopropyl Benzene (Cumene)	110	113	70	130	2.7	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	m,p-Xylene	104	107	70	130	2.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Methylene Chloride	93	94	70	130	1.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Mtbe	93	93	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Naphthalene	66	95	57	149	36.0	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	N-Butylbenzene	96	103	70	130	7.0	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	N-Propylbenzene	113	117	70	130	3.5	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	O-Xylene	107	110	70	130	2.8	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	P-Isopropyltoluene (Cymene)	96	103	70	130	7.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Sec-Butylbenzene	106	110	70	130	3.7	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Styrene	110	114	70	130	3.6	20

Table 4-4: Summary of MS/MSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Tert-Butylbenzene	108	111	70	130	2.7	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Tetrachloroethylene	99	103	70	130	4.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Toluene	95	96	70	130	1.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Trans-1,2-Dichloroethene	102	101	70	130	1.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Trans-1,3-Dichloropropene	92	93	70	130	1.1	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Trans-1,4-Dichloro-2-Butene	97	101	67	112	4.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Trichloroethene	102	103	70	130	1.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Trichlorofluoromethane	98	102	63	142	4.0	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Vinyl Acetate	105	105	67	135	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Vinyl Chloride	103	103	66	129	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW8260B	Xylenes (Total)	105	109	70	130	3.7	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	97	98	80	120	1.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	97	99	80	120	2.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	98	98	80	120	0.0	30
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	98	99	80	120	1.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	99	98	80	120	1.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	99	99	80	120	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,1,1,2-Tetrachloroethane	100	100	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,1,1-Trichloroethane	98	98	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,1,2,2-Tetrachloroethane	101	97	70	130	4.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	97	95	63	141	2.1	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,1,2-Trichloroethane	93	92	70	130	1.1	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,1-Dichloroethane	96	96	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,1-Dichloroethene	100	99	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,1-Dichloropropene	98	98	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2,3-Trichlorobenzene	92	97	61	141	5.3	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2,3-Trichloropropane	104	108	70	130	3.8	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2,4-Trichlorobenzene	90	93	70	130	3.3	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2,4-Trimethylbenzene	99	99	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2-Dibromo-3-Chloropropane	99	103	70	130	4.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2-Dibromoethane	101	103	70	130	2.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2-Dichlorobenzene	101	102	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2-Dichloroethane	96	95	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,2-Dichloropropane	98	100	70	130	2.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,3,5-Trimethylbenzene	100	101	70	130	1.0	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,3-Dichlorobenzene	105	107	70	130	1.9	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,3-Dichloropropane	98	100	70	130	2.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	1,4-Dichlorobenzene	101	102	70	130	1.0	20

Table 4-4: Summary of MS/MSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	2,2-Dichloropropane	96	95	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	2-Butanone (MEK)	108	106	69	114	1.9	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	2-Chlorotoluene	99	100	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	2-Hexanone	93	93	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	4-Chlorotoluene	99	101	70	130	2.0	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	4-Methyl-2-Pentanone (MIBK)	94	94	68	108	0.0	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Acetone	100	104	67	113	3.9	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Acrylonitrile	101	101	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Benzene	106	106	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Bromobenzene	107	108	70	130	0.9	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Bromochloromethane	94	92	70	130	2.2	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Bromodichloromethane	101	100	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Bromoform	99	99	69	129	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Bromomethane	117	131	28	192	11.3	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Carbon Disulfide	105	106	70	130	0.9	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Carbon Tetrachloride	98	98	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Chlorobenzene	106	106	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Chloroethane	164	169	31	213	3.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Chloroform	94	94	70	130	0.0	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Chloromethane	90	89	59	127	1.1	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Cis-1,2-Dichloroethene	92	91	70	130	1.1	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Cis-1,3-Dichloropropene	94	94	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Dibromochloromethane	94	95	70	130	1.1	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Dibromomethane	92	90	70	130	2.2	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Dichlorodifluoromethane	132	133	70	130	0.8	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Ethylbenzene	103	102	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Hexachlorobutadiene	87	90	70	130	3.4	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Iodomethane	73	81	52	129	10.4	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Isopropyl Benzene (Cumene)	102	102	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	m,p-Xylene	101	101	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Methylene Chloride	93	93	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Mtbe	96	98	70	130	2.1	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Naphthalene	98	104	57	149	5.9	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	N-Butylbenzene	98	99	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	N-Propylbenzene	104	104	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	O-Xylene	99	98	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	P-Isopropyltoluene (Cymene)	97	99	70	130	2.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Sec-Butylbenzene	102	104	70	130	1.9	20

**Table 4-4: Summary of MS/MSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama**

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	MS %R	MSD %R	%R LCL	%R UCL	RPD	RPD Limit
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Styrene	104	104	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Tert-Butylbenzene	99	102	70	130	3.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Tetrachloroethylene	95	95	70	130	0.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Toluene	106	107	70	130	0.9	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Trans-1,2-Dichloroethene	96	100	70	130	4.1	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Trans-1,3-Dichloropropene	95	96	70	130	1.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Trans-1,4-Dichloro-2-Butene	95	100	67	112	5.1	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Trichloroethene	87	86	70	130	1.2	30
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Trichlorofluoromethane	121	122	63	142	0.8	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Vinyl Acetate	128	129	67	135	0.8	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Vinyl Chloride	98	100	66	129	2.0	20
OLF-G07	WG	5/12/21	680-198824-1	SW8260B	Xylenes (Total)	100	100	70	130	0.0	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	97	NA	80	120	NA	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	98	NA	80	120	NA	20
OLF-G72-PORT1	WG	5/11/21	680-198823-1	SW9060A	Total Organic Carbon	99	NA	80	120	NA	20
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	97	NA	80	120	NA	30
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	98	NA	80	120	NA	30
OLF-G74-PORT3	WG	5/10/21	680-198812-1	SW9060A	Total Organic Carbon	99	NA	80	120	NA	20

Validation Qualifier:

LCL = Lower control limit

MS = matrix spike

MSD = Matrix spike duplicate

%R = Percent recovery

RPD = Relative percent difference

UCL = Upper control limit

WG = Ground water

Blue text, bold and outlined = Greater than acceptance limit

Bold and shaded = Less than acceptance limits

Table 4-5: Field Duplicate Cross Reference
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Matrix	Duplicate ID	Parent Station Name	Sample Date	Delivery Group	Method
WG	DUP361	OLF-G75-S2	11/11/20	680-191468-1	SW8260B
WG	DUP362	OLF-G70	11/12/20	680-191468-1	SW8260B
WG	DUP363	OLF-G75-S1	11/11/20	680-191468-1	SW8260B
WG	DUP364	OLF-G74-PORT2	11/11/20	680-191488-1	SW8260B
WG	DUP364	OLF-G74-PORT2	11/11/20	680-191488-1	SW9060A
WG	DUP365	OLF-G77	11/10/20	680-191488-1	RSK-175
WG	DUP365	OLF-G77	11/10/20	680-191488-1	SW8260B
WG	DUP365	OLF-G77	11/10/20	680-191488-1	SW9060A
WG	DUP373	OLF-G47	5/6/21	680-198823-1	SW8260B
WG	DUP374	OLF-G22	5/6/21	680-198823-1	SW8260B
WG	DUP375	OLF-G32	5/10/21	680-198824-1	SW8260B
WG	DUP376	OLF-G74-PORT1	5/10/21	680-198812-1	SW8260B
WG	DUP376	OLF-G74-PORT1	5/10/21	680-198812-1	SW9060A
WG	DUP377	OLF-G77	5/12/21	680-198824-1	RSK-175
WG	DUP377	OLF-G77	5/12/21	680-198824-1	SW8260B
WG	DUP377	OLF-G77	5/12/21	680-198824-1	SW9060A

Notes:

ID = Identification

WG = Groundwater

**Table 4-6: Comparison of Investigative and Field Duplicate Sample Detections
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama**

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	FD		NS		Units	RPD	MDL	RL
						Value	Flag	Value	Flag				
OLF-G22	WG	5/6/21	680-198823-1	SW8260B	1,1,2,2-Tetrachloroethane	16		17		µg/L	6	0.62	1
OLF-G22	WG	5/6/21	680-198823-1	SW8260B	1,1,2-Trichloroethane	1.1		1.4		µg/L	24	0.33	1
OLF-G22	WG	5/6/21	680-198823-1	SW8260B	Chlorobenzene	6.9		7.2		µg/L	4.3	0.26	1
OLF-G22	WG	5/6/21	680-198823-1	SW8260B	Cis-1,2-Dichloroethene	22		19		µg/L	14.6	0.41	1
OLF-G22	WG	5/6/21	680-198823-1	SW8260B	Trans-1,2-Dichloroethene	7.4		7.9		µg/L	7	0.37	1
OLF-G22	WG	5/6/21	680-198823-1	SW8260B	Trichloroethene	55		52		µg/L	6	0.48	1
OLF-G47	WG	5/6/21	680-198823-1	SW8260B	1,1,2,2-Tetrachloroethane	1.8		1.5		µg/L	18.2	0.62	1
OLF-G47	WG	5/6/21	680-198823-1	SW8260B	Cis-1,2-Dichloroethene	5		3.9		µg/L	24.7	0.41	1
OLF-G47	WG	5/6/21	680-198823-1	SW8260B	Trans-1,2-Dichloroethene	1.3		1		µg/L	26	0.37	1
OLF-G47	WG	5/6/21	680-198823-1	SW8260B	Trichloroethene	29		21		µg/L	32.00	0.48	1
OLF-G70	WG	11/12/20	680-191468-1	SW8260B	Cis-1,2-Dichloroethene	1.8		1.8		µg/L	0.0	0.41	1
OLF-G70	WG	11/12/20	680-191468-1	SW8260B	Trichloroethene	9.3		9.3		µg/L	0.0	0.48	1
OLF-G74-PORT1	WG	5/10/21	680-198812-1	SW8260B	1,1,2,2-Tetrachloroethane	2.1		1.9		µg/L	10.0	0.62	1
OLF-G74-PORT1	WG	5/10/21	680-198812-1	SW8260B	1,2-Dichloroethane	1.3		0.84	J	µg/L	43.0	0.5	1
OLF-G74-PORT1	WG	5/10/21	680-198812-1	SW8260B	Acetone	36		26		µg/L	32.3	7	10
OLF-G74-PORT1	WG	5/10/21	680-198812-1	SW8260B	Cis-1,2-Dichloroethene	6.6		4		µg/L	49.1	0.41	1
OLF-G74-PORT1	WG	5/10/21	680-198812-1	SW8260B	Toluene	18		15		µg/L	18.18	0.48	1
OLF-G74-PORT1	WG	5/10/21	680-198812-1	SW8260B	Trichloroethene	1.1		1.4		µg/L	24.0	0.48	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	1,1,2,2-Tetrachloroethane	35		28		µg/L	22.2	0.62	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	1,1,2-Trichloroethane	1.6		1.2		µg/L	28.57	0.33	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	1,2-Dichloroethane	0.5	J	0.61	J	µg/L	19.82	0.5	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	Chlorobenzene	7.4		6.1		µg/L	19.3	0.26	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	Chloroethane	3.8	J	4	J	µg/L	5.1	2.5	5
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	Cis-1,2-Dichloroethene	54		54		µg/L	0.0	0.41	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	Toluene	1.2		4.7		µg/L	119	0.48	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	Trans-1,2-Dichloroethene	30		32		µg/L	6.5	0.37	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	Trichloroethene	76		58		µg/L	26.9	0.48	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW8260B	Vinyl Chloride	4.7		4.7		µg/L	0.0	0.5	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW9060A	Total Organic Carbon	0.75	J	1.4		mg/L	60.5	0.5	1
OLF-G74-PORT2	WG	11/11/20	680-191488-1	SW9060A	Total Organic Carbon	0.75	J	1.4		mg/L	60.5	0.5	1
OLF-G75-S1	WG	11/11/20	680-191468-1	SW8260B	Cis-1,2-Dichloroethene	0.58	J	0.48	J	µg/L	18.87	0.41	1
OLF-G75-S2	WG	11/11/20	680-191468-1	SW8260B	Cis-1,2-Dichloroethene	0.54	J	0.46	J	µg/L	16.0	0.41	1

**Table 4-6: Comparison of Investigative and Field Duplicate Sample Detections
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama**

Station Name	Matrix	Sample Date	Delivery Group	Method	Parameter Name	FD		NS		Units	RPD	MDL	RL
						Value	Flag	Value	Flag				
OLF-G77	WG	11/10/20	680-191488-1	RSK-175	Ethane	4		4.4		µg/L	9.5	0.55	1.1
OLF-G77	WG	11/10/20	680-191488-1	RSK-175	Ethene	33		37		µg/L	11.4	0.5	1
OLF-G77	WG	11/10/20	680-191488-1	RSK-175	Methane	940		1000		µg/L	6.2	39	390
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	1,1,2,2-Tetrachloroethane	730		820		µg/L	11.6	6.2	10
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	1,1,2-Trichloroethane	23		25		µg/L	8.3	0.33	1
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	1,1-Dichloroethene	0.51	J	0.5	J	µg/L	2.0	0.36	1
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	1,2-Dichloroethane	0.55	J	0.6	J	µg/L	8.7	0.5	1
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	Chlorobenzene	13		14		µg/L	7.4	0.26	1
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	Cis-1,2-Dichloroethene	180		190		µg/L	5.4	0.41	1
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	Tetrachloroethylene	7		6.4		µg/L	9.0	0.74	1
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	Trans-1,2-Dichloroethene	180		180		µg/L	0.0	0.37	1
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	Trichloroethene	310		440		µg/L	34.67	4.8	10
OLF-G77	WG	11/10/20	680-191488-1	SW8260B	Vinyl Chloride	14		16		µg/L	13.3	0.5	1
OLF-G77	WG	5/12/21	680-198824-1	RSK-175	Ethane	3.7		3.7		µg/L	0.0	0.3	1.1
OLF-G77	WG	5/12/21	680-198824-1	RSK-175	Ethene	4.1		5.6		µg/L	30.9	0.31	1
OLF-G77	WG	5/12/21	680-198824-1	RSK-175	Methane	900		900		µg/L	0.0	59	390
OLF-G77	WG	5/12/21	680-198824-1	SW8260B	1,1,2,2-Tetrachloroethane	1200		1100		µg/L	8.7	12	20
OLF-G77	WG	5/12/21	680-198824-1	SW8260B	1,1,2-Trichloroethane	21		21		µg/L	0.0	0.33	1
OLF-G77	WG	5/12/21	680-198824-1	SW8260B	Chlorobenzene	10		10		µg/L	0.0	0.26	1
OLF-G77	WG	5/12/21	680-198824-1	SW8260B	Cis-1,2-Dichloroethene	180		180		µg/L	0.0	0.41	1
OLF-G77	WG	5/12/21	680-198824-1	SW8260B	Tetrachloroethylene	7.6		7.6		µg/L	0.0	0.74	1
OLF-G77	WG	5/12/21	680-198824-1	SW8260B	Trans-1,2-Dichloroethene	160		160		µg/L	0.0	0.37	1
OLF-G77	WG	5/12/21	680-198824-1	SW8260B	Trichloroethene	540		540		µg/L	0.0	9.6	20
OLF-G77	WG	5/12/21	680-198824-1	SW8260B	Vinyl Chloride	8.3		8.4		µg/L	1.20	0.5	1
OLF-G77	WG	5/12/21	680-198824-1	SW9060A	Total Organic Carbon	1.3		1.3		mg/L	0.0	0.5	1

Notes:

FD = Field Duplicate

MDL = Method Detection Limit

mg/L = milligrams per liter

NS = Normal Sample

RL = Reporting Limit

RPD = Relative Percent Difference

TOC = Total Organic Carbon

WG = Ground Water

Bold and shaded = Outside acceptance limits

Lab Flag:

J = Result is estimated; detected between the method detection limit and the reporting limit.

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
RSK-175	680-191468-1	11/23/20	680-645273	W	Ethane	98	98	75	125	0.0	30
RSK-175	680-191468-1	11/23/20	680-645273	W	Ethene	95	95	75	125	0.0	30
RSK-175	680-191468-1	11/23/20	680-645273	W	Methane	96	94	75	125	2.1	30
RSK-175	680-191468-1	11/23/20	680-645273	W	Methane	96	101	75	125	5.1	30
RSK-175	680-191468-1	11/23/20	680-645273	W	Methane	100	94	75	125	6.2	30
RSK-175	680-191468-1	11/23/20	680-645273	W	Methane	100	101	75	125	1.0	30
RSK-175	680-191488-1	11/23/20	680-645273	W	Ethane	98	98	75	125	0.0	30
RSK-175	680-191488-1	11/23/20	680-645273	W	Ethene	95	95	75	125	0.0	30
RSK-175	680-191488-1	11/23/20	680-645273	W	Methane	96	94	75	125	2.1	30
RSK-175	680-191488-1	11/23/20	680-645273	W	Methane	96	101	75	125	5.1	30
RSK-175	680-191488-1	11/23/20	680-645273	W	Methane	100	94	75	125	6.2	30
RSK-175	680-191488-1	11/23/20	680-645273	W	Methane	100	101	75	125	1.0	30
RSK-175	680-191488-1	11/24/20	680-645526	W	Ethane	114	91	75	125	22.4	30
RSK-175	680-191488-1	11/24/20	680-645526	W	Ethene	111	89	75	125	22	30
RSK-175	680-191488-1	11/24/20	680-645526	W	Methane	98	95	75	125	3.1	30
RSK-175	680-191488-1	11/24/20	680-645526	W	Methane	98	98	75	125	0.0	30
RSK-175	680-191488-1	11/24/20	680-645526	W	Methane	120	95	75	125	23.3	30
RSK-175	680-191488-1	11/24/20	680-645526	W	Methane	120	98	75	125	20.2	30
RSK-175	680-191752-1	11/27/20	680-645970	W	Ethane	94	95	75	125	1.1	30
RSK-175	680-191752-1	11/27/20	680-645970	W	Ethene	93	93	75	125	0.0	30
RSK-175	680-191752-1	11/27/20	680-645970	W	Methane	99	98	75	125	1.0	30
RSK-175	680-191752-1	11/27/20	680-645970	W	Methane	99	100	75	125	1.0	30
RSK-175	680-191752-1	11/27/20	680-645970	W	Methane	102	98	75	125	4.0	30
RSK-175	680-191752-1	11/27/20	680-645970	W	Methane	102	100	75	125	2.0	30
RSK-175	680-198812-1	5/17/21	680-668916	W	Ethane	110	107	75	125	2.8	30
RSK-175	680-198812-1	5/17/21	680-668916	W	Ethene	106	102	75	125	3.8	30
RSK-175	680-198812-1	5/17/21	680-668916	W	Methane	101	101	75	125	0	20
RSK-175	680-198812-1	5/17/21	680-668916	W	Methane	101	102	75	125	1.0	20
RSK-175	680-198812-1	5/17/21	680-668916	W	Methane	106	101	75	125	4.8	20
RSK-175	680-198812-1	5/17/21	680-668916	W	Methane	106	102	75	125	4	20
RSK-175	680-198823-1	5/17/21	680-668916	W	Ethane	110	107	75	125	2.8	20
RSK-175	680-198823-1	5/17/21	680-668916	W	Ethene	106	102	75	125	3.8	20
RSK-175	680-198823-1	5/17/21	680-668916	W	Methane	101	101	75	125	0.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
RSK-175	680-198823-1	5/17/21	680-668916	W	Methane	101	102	75	125	1.0	20
RSK-175	680-198823-1	5/17/21	680-668916	W	Methane	106	101	75	125	4.8	20
RSK-175	680-198823-1	5/17/21	680-668916	W	Methane	106	102	75	125	3.8	30
RSK-175	680-198823-1	5/18/21	680-669068	W	Ethane	108	109	75	125	0.9	20
RSK-175	680-198823-1	5/18/21	680-669068	W	Ethene	104	103	75	125	1.0	20
RSK-175	680-198823-1	5/18/21	680-669068	W	Methane	100	101	75	125	1.0	20
RSK-175	680-198823-1	5/18/21	680-669068	W	Methane	100	105	75	125	4.9	20
RSK-175	680-198823-1	5/18/21	680-669068	W	Methane	104	101	75	125	2.9	20
RSK-175	680-198823-1	5/18/21	680-669068	W	Methane	104	105	75	125	1.0	20
RSK-175	680-198824-1	5/17/21	680-668916	W	Ethane	110	107	75	125	2.8	20
RSK-175	680-198824-1	5/17/21	680-668916	W	Ethene	106	102	75	125	3.8	20
RSK-175	680-198824-1	5/17/21	680-668916	W	Methane	101	101	75	125	0	20
RSK-175	680-198824-1	5/17/21	680-668916	W	Methane	101	102	75	125	1.0	20
RSK-175	680-198824-1	5/17/21	680-668916	W	Methane	106	101	75	125	4.8	20
RSK-175	680-198824-1	5/17/21	680-668916	W	Methane	106	102	75	125	3.8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,1,1,2-Tetrachloroethane	99	95	70	130	4.1	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,1,1-Trichloroethane	124	116	70	130	6.7	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,1,2,2-Tetrachloroethane	106	100	70	130	5.8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,1,2-Trichloroethane	104	97	70	130	7.0	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,1-Dichloroethane	106	98	70	130	7.8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,1-Dichloroethene	92	88	70	130	4	30
SW8260B	680-191468-1	11/23/20	680-645276	W	1,2,3-Trichloropropane	98	95	70	130	3.1	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,2-Dibromo-3-Chloropropane	92	83	70	130	10.3	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,2-Dibromoethane	103	93	70	130	10.2	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,2-Dichlorobenzene	110	104	70	130	6	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,2-Dichloroethane	121	112	70	130	7.7	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,2-Dichloropropane	103	99	70	130	4	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,3-Dichloropropane	109	102	70	130	6.6	20
SW8260B	680-191468-1	11/23/20	680-645276	W	1,4-Dichlorobenzene	109	103	70	130	5.7	20
SW8260B	680-191468-1	11/23/20	680-645276	W	2-Butanone (MEK)	96	92	69	114	4	20
SW8260B	680-191468-1	11/23/20	680-645276	W	2-Hexanone	93	86	70	130	8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	4-Methyl-2-Pentanone (MIBK)	99	92	68	108	7.3	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Acetone	85	80	67	113	6	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Acrylonitrile	91	85	70	130	6.8	30

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/23/20	680-645276	W	Benzene	107	102	70	130	4.8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Bromochloromethane	94	84	70	130	11.2	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Bromodichloromethane	119	108	70	130	9.7	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Bromoform	93	84	69	129	10.2	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Bromomethane	118	115	28	192	2.6	40
SW8260B	680-191468-1	11/23/20	680-645276	W	Carbon Disulfide	99	90	70	130	9.5	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Carbon Tetrachloride	111	106	70	130	4.6	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Chlorobenzene	103	97	70	130	6.0	30
SW8260B	680-191468-1	11/23/20	680-645276	W	Chloroethane	104	97	31	213	7.0	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Chloroform	117	108	70	130	8.0	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Chloromethane	91	85	59	127	7	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Cis-1,2-Dichloroethene	98	89	70	130	9.6	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Cis-1,3-Dichloropropene	106	99	70	130	6.8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Dibromochloromethane	98	92	70	130	6.3	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Dibromomethane	109	99	70	130	9.6	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Ethylbenzene	106	100	70	130	6	30
SW8260B	680-191468-1	11/23/20	680-645276	W	Iodomethane	67	71	52	129	5.8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Methylene Chloride	109	99	70	130	9.6	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Mtbe	111	104	70	130	7	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Styrene	113	106	70	130	6.4	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Tetrachloroethylene	93	86	70	130	8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Toluene	102	93	70	130	9	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Trans-1,2-Dichloroethene	96	90	70	130	6.5	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Trans-1,3-Dichloropropene	115	104	70	130	10.0	30
SW8260B	680-191468-1	11/23/20	680-645276	W	Trans-1,4-Dichloro-2-Butene	106	95	67	112	11	30
SW8260B	680-191468-1	11/23/20	680-645276	W	Trichloroethene	101	98	70	130	3	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Trichlorofluoromethane	118	111	63	142	6.1	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Vinyl Acetate	118	108	67	135	8.8	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Vinyl Chloride	90	84	66	129	6.9	20
SW8260B	680-191468-1	11/23/20	680-645276	W	Xylenes (Total)	102	96	70	130	6	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,1,1,2-Tetrachloroethane	112	115	70	130	2.6	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,1,1-Trichloroethane	92	94	70	130	2.2	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,1,2,2-Tetrachloroethane	104	106	70	130	1.9	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,1,2-Trichloroethane	106	105	70	130	0.9	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/23/20	680-645311	W	1,1-Dichloroethane	94	95	70	130	1.1	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,1-Dichloroethene	95	100	70	130	5.1	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,2,3-Trichloropropane	108	111	70	130	2.7	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,2-Dibromo-3-Chloropropane	105	106	70	130	0.9	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,2-Dibromoethane	110	106	70	130	3.7	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,2-Dichlorobenzene	99	102	70	130	3.0	30
SW8260B	680-191468-1	11/23/20	680-645311	W	1,2-Dichloroethane	96	96	70	130	0.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,2-Dichloropropane	103	103	70	130	0.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,3-Dichloropropane	106	104	70	130	1.9	20
SW8260B	680-191468-1	11/23/20	680-645311	W	1,4-Dichlorobenzene	100	102	70	130	2.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	2-Butanone (MEK)	105	102	69	114	2.9	20
SW8260B	680-191468-1	11/23/20	680-645311	W	2-Hexanone	90	87	70	130	3.4	20
SW8260B	680-191468-1	11/23/20	680-645311	W	4-Methyl-2-Pentanone (MIBK)	88	86	68	108	2.3	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Acetone	95	93	67	113	2.1	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Acrylonitrile	98	96	70	130	2.1	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Benzene	100	101	70	130	1.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Bromochloromethane	107	105	70	130	1.9	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Bromodichloromethane	98	99	70	130	1.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Bromoform	114	117	69	129	2.6	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Bromomethane	66	76	28	192	14	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Carbon Disulfide	97	103	70	130	6.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Carbon Tetrachloride	95	97	70	130	2.1	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Chlorobenzene	106	111	70	130	4.6	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Chloroethane	86	88	31	213	2.3	30
SW8260B	680-191468-1	11/23/20	680-645311	W	Chloroform	95	95	70	130	0.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Chloromethane	86	90	59	127	4.5	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Cis-1,2-Dichloroethene	92	92	70	130	0.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Cis-1,3-Dichloropropene	104	103	70	130	1.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Dibromochloromethane	109	105	70	130	3.7	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Dibromomethane	99	100	70	130	1.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Ethylbenzene	97	104	70	130	7.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Iodomethane	94	98	52	129	4.2	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Methylene Chloride	100	102	70	130	2.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Mtbe	98	98	70	130	0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/23/20	680-645311	W	Styrene	108	112	70	130	3.6	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Tetrachloroethylene	109	112	70	130	2.7	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Toluene	102	103	70	130	1.0	30
SW8260B	680-191468-1	11/23/20	680-645311	W	Trans-1,2-Dichloroethene	100	105	70	130	4.9	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Trans-1,3-Dichloropropene	102	100	70	130	2.0	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Trans-1,4-Dichloro-2-Butene	92	94	67	112	2.2	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Trichloroethene	109	111	70	130	1.8	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Trichlorofluoromethane	87	92	63	142	5.6	40
SW8260B	680-191468-1	11/23/20	680-645311	W	Vinyl Acetate	104	100	67	135	4	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Vinyl Chloride	93	97	66	129	4.2	20
SW8260B	680-191468-1	11/23/20	680-645311	W	Xylenes (Total)	100	105	70	130	4.9	30
SW8260B	680-191468-1	11/24/20	680-645436	W	1,1,1,2-Tetrachloroethane	91	91	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,1,1-Trichloroethane	91	90	70	130	1.1	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,1,2,2-Tetrachloroethane	108	114	70	130	5.4	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,1,2-Trichloroethane	98	105	70	130	6.9	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,1-Dichloroethane	98	98	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,1-Dichloroethene	82	79	70	130	3.7	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,2,3-Trichloropropane	117	122	70	130	4.2	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,2-Dibromo-3-Chloropropane	106	111	70	130	4.6	30
SW8260B	680-191468-1	11/24/20	680-645436	W	1,2-Dibromoethane	102	111	70	130	8.5	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,2-Dichlorobenzene	98	98	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,2-Dichloroethane	103	112	70	130	8.4	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,2-Dichloropropane	96	97	70	130	1	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,3-Dichloropropane	104	109	70	130	4.7	20
SW8260B	680-191468-1	11/24/20	680-645436	W	1,4-Dichlorobenzene	96	95	70	130	1.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	2-Butanone (MEK)	114	126	69	114	10.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	2-Hexanone	120	134	70	130	11.0	30
SW8260B	680-191468-1	11/24/20	680-645436	W	4-Methyl-2-Pentanone (MIBK)	120	133	68	108	10	30
SW8260B	680-191468-1	11/24/20	680-645436	W	Acetone	126	142	67	113	11.9	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Acrylonitrile	124	138	70	130	10.7	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Benzene	89	91	70	130	2.2	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Bromochloromethane	99	105	70	130	5.9	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Bromodichloromethane	88	91	70	130	3.4	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Bromoform	83	87	69	129	5	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/24/20	680-645436	W	Bromomethane	46	51	28	192	10.3	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Carbon Disulfide	88	86	70	130	2.3	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Carbon Tetrachloride	87	84	70	130	3.5	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Chlorobenzene	94	94	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Chloroethane	96	94	31	213	2.1	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Chloroform	93	95	70	130	2.1	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Chloromethane	91	90	59	127	1	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Cis-1,2-Dichloroethene	107	107	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Cis-1,3-Dichloropropene	89	93	70	130	4.4	30
SW8260B	680-191468-1	11/24/20	680-645436	W	Dibromochloromethane	87	91	70	130	4.5	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Dibromomethane	99	108	70	130	8.7	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Ethylbenzene	95	92	70	130	3.2	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Iodomethane	44	44	52	129	0.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Methylene Chloride	90	95	70	130	5.4	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Mtbe	97	106	70	130	8.9	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Styrene	97	99	70	130	2.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Tetrachloroethylene	92	90	70	130	2.2	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Toluene	95	96	70	130	1	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Trans-1,2-Dichloroethene	88	88	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Trans-1,3-Dichloropropene	96	101	70	130	5.1	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Trans-1,4-Dichloro-2-Butene	85	89	67	112	4.6	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Trichloroethene	94	95	70	130	1.1	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Trichlorofluoromethane	93	89	63	142	4.4	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Vinyl Acetate	104	112	67	135	7.4	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Vinyl Chloride	95	95	66	129	0.0	20
SW8260B	680-191468-1	11/24/20	680-645436	W	Xylenes (Total)	93	92	70	130	1.1	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,1,1,2-Tetrachloroethane	97	96	70	130	1.0	30
SW8260B	680-191468-1	11/24/20	680-645528	W	1,1,1-Trichloroethane	115	113	70	130	2	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,1,2,2-Tetrachloroethane	100	103	70	130	3.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,1,2-Trichloroethane	99	99	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,1-Dichloroethane	100	100	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,1-Dichloroethene	87	89	70	130	2.3	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,2,3-Trichloropropane	89	97	70	130	9	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,2-Dibromo-3-Chloropropane	85	91	70	130	6.8	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/24/20	680-645528	W	1,2-Dibromoethane	98	95	70	130	3	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,2-Dichlorobenzene	102	104	70	130	2	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,2-Dichloroethane	108	109	70	130	1	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,2-Dichloropropane	97	98	70	130	1.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,3-Dichloropropane	103	102	70	130	1.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	1,4-Dichlorobenzene	102	103	70	130	1.0	30
SW8260B	680-191468-1	11/24/20	680-645528	W	2-Butanone (MEK)	91	94	69	114	3.2	20
SW8260B	680-191468-1	11/24/20	680-645528	W	2-Hexanone	86	81	70	130	6.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	4-Methyl-2-Pentanone (MIBK)	92	87	68	108	5.6	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Acetone	79	80	67	113	1.3	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Acrylonitrile	88	90	70	130	2	40
SW8260B	680-191468-1	11/24/20	680-645528	W	Benzene	101	102	70	130	1	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Bromochloromethane	91	91	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Bromodichloromethane	109	107	70	130	1.9	30
SW8260B	680-191468-1	11/24/20	680-645528	W	Bromoform	87	91	69	129	4	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Bromomethane	69	72	28	192	4.3	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Carbon Disulfide	96	96	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Carbon Tetrachloride	102	105	70	130	2.9	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Chlorobenzene	102	105	70	130	3	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Chloroethane	104	109	31	213	4.7	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Chloroform	109	109	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Chloromethane	93	93	59	127	0.0	30
SW8260B	680-191468-1	11/24/20	680-645528	W	Cis-1,2-Dichloroethene	91	94	70	130	3.2	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Cis-1,3-Dichloropropene	98	94	70	130	4.2	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Dibromochloromethane	95	91	70	130	4.3	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Dibromomethane	100	98	70	130	2	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Ethylbenzene	101	102	70	130	1.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Iodomethane	87	87	52	129	0.0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Methylene Chloride	104	103	70	130	1	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Mtbe	103	105	70	130	2	30
SW8260B	680-191468-1	11/24/20	680-645528	W	Styrene	108	114	70	130	5.4	30
SW8260B	680-191468-1	11/24/20	680-645528	W	Tetrachloroethylene	91	92	70	130	1.1	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Toluene	95	96	70	130	1	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/24/20	680-645528	W	Trans-1,2-Dichloroethene	89	90	70	130	1	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Trans-1,3-Dichloropropene	105	105	70	130	0	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Trans-1,4-Dichloro-2-Butene	87	85	67	112	2	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Trichloroethene	94	97	70	130	3.1	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Trichlorofluoromethane	110	109	63	142	0.9	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Vinyl Acetate	111	112	67	135	0.9	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Vinyl Chloride	89	90	66	129	1.1	20
SW8260B	680-191468-1	11/24/20	680-645528	W	Xylenes (Total)	100	101	70	130	1.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,1,1,2-Tetrachloroethane	108	111	70	130	2.7	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,1,1-Trichloroethane	92	90	70	130	2.2	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,1,2,2-Tetrachloroethane	100	103	70	130	3.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,1,2-Trichloroethane	107	102	70	130	4.8	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,1-Dichloroethane	95	94	70	130	1.1	30
SW8260B	680-191468-1	11/24/20	680-645558	W	1,1-Dichloroethene	100	100	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,2,3-Trichloropropane	105	105	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,2-Dibromo-3-Chloropropane	99	104	70	130	4.9	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,2-Dibromoethane	108	103	70	130	4.7	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,2-Dichlorobenzene	99	98	70	130	1.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,2-Dichloroethane	92	88	70	130	4.4	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,2-Dichloropropane	100	100	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,3-Dichloropropane	105	101	70	130	3.9	20
SW8260B	680-191468-1	11/24/20	680-645558	W	1,4-Dichlorobenzene	97	98	70	130	1.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	2-Butanone (MEK)	99	94	69	114	5.2	20
SW8260B	680-191468-1	11/24/20	680-645558	W	2-Hexanone	86	84	70	130	2.4	20
SW8260B	680-191468-1	11/24/20	680-645558	W	4-Methyl-2-Pentanone (MIBK)	86	83	68	108	3.6	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Acetone	87	84	67	113	3.5	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Acrylonitrile	94	93	70	130	1.1	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Benzene	101	99	70	130	2.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Bromochloromethane	104	101	70	130	2.9	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Bromodichloromethane	96	93	70	130	3.2	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Bromoform	108	110	69	129	1.8	30
SW8260B	680-191468-1	11/24/20	680-645558	W	Bromomethane	63	60	28	192	4.9	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Carbon Disulfide	102	102	70	130	0.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/24/20	680-645558	W	Carbon Tetrachloride	98	94	70	130	4.2	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Chlorobenzene	107	109	70	130	1.9	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Chloroethane	86	82	31	213	5	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Chloroform	94	92	70	130	2.2	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Chloromethane	92	93	59	127	1.1	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Cis-1,2-Dichloroethene	93	93	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Cis-1,3-Dichloropropene	105	100	70	130	5	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Dibromochloromethane	105	101	70	130	3.9	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Dibromomethane	95	94	70	130	1.1	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Ethylbenzene	98	101	70	130	3	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Iodomethane	95	95	52	129	0.0	30
SW8260B	680-191468-1	11/24/20	680-645558	W	Methylene Chloride	99	99	70	130	0.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Mtbe	96	93	70	130	3.2	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Styrene	106	106	70	130	0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Tetrachloroethylene	112	108	70	130	4	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Toluene	103	101	70	130	2.0	40
SW8260B	680-191468-1	11/24/20	680-645558	W	Trans-1,2-Dichloroethene	101	102	70	130	1.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Trans-1,3-Dichloropropene	99	95	70	130	4.1	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Trans-1,4-Dichloro-2-Butene	86	86	67	112	0.0	30
SW8260B	680-191468-1	11/24/20	680-645558	W	Trichloroethene	107	108	70	130	0.9	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Trichlorofluoromethane	91	90	63	142	1.1	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Vinyl Acetate	97	96	67	135	1.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Vinyl Chloride	100	99	66	129	1.0	20
SW8260B	680-191468-1	11/24/20	680-645558	W	Xylenes (Total)	99	100	70	130	1.0	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,1,1,2-Tetrachloroethane	105	102	70	130	2.9	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,1,1-Trichloroethane	86	81	70	130	6.0	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,1,2,2-Tetrachloroethane	101	99	70	130	2.0	30
SW8260B	680-191468-1	11/25/20	680-645697	W	1,1,2-Trichloroethane	105	101	70	130	3.9	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,1-Dichloroethane	90	89	70	130	1.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,1-Dichloroethene	100	97	70	130	3	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,2,3-Trichloropropane	103	102	70	130	1.0	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,2-Dibromo-3-Chloropropane	99	96	70	130	3.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,2-Dibromoethane	105	101	70	130	3.9	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/25/20	680-645697	W	1,2-Dichlorobenzene	97	94	70	130	3.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,2-Dichloroethane	88	84	70	130	4.7	30
SW8260B	680-191468-1	11/25/20	680-645697	W	1,2-Dichloropropane	99	97	70	130	2.0	30
SW8260B	680-191468-1	11/25/20	680-645697	W	1,3-Dichloropropane	100	99	70	130	1.0	20
SW8260B	680-191468-1	11/25/20	680-645697	W	1,4-Dichlorobenzene	95	93	70	130	2.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	2-Butanone (MEK)	100	100	69	114	0.0	20
SW8260B	680-191468-1	11/25/20	680-645697	W	2-Hexanone	90	91	70	130	1.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	4-Methyl-2-Pentanone (MIBK)	90	89	68	108	1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Acetone	92	95	67	113	3.2	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Acrylonitrile	96	93	70	130	3	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Benzene	97	95	70	130	2.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Bromochloromethane	97	95	70	130	2.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Bromodichloromethane	94	90	70	130	4.3	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Bromoform	110	105	69	129	5	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Bromomethane	50	60	28	192	18.2	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Carbon Disulfide	100	99	70	130	1.0	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Carbon Tetrachloride	90	86	70	130	4.5	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Chlorobenzene	104	101	70	130	2.9	30
SW8260B	680-191468-1	11/25/20	680-645697	W	Chloroethane	83	82	31	213	1.2	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Chloroform	90	86	70	130	4.5	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Chloromethane	94	96	59	127	2.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Cis-1,2-Dichloroethene	88	87	70	130	1.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Cis-1,3-Dichloropropene	97	94	70	130	3.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Dibromochloromethane	104	101	70	130	2.9	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Dibromomethane	94	90	70	130	4.3	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Ethylbenzene	95	92	70	130	3.2	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Iodomethane	95	95	52	129	0.0	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Methylene Chloride	98	95	70	130	3.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Mtbe	93	92	70	130	1.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Styrene	101	97	70	130	4	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Tetrachloroethylene	104	101	70	130	2.9	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Toluene	100	97	70	130	3	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Trans-1,2-Dichloroethene	99	98	70	130	1.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191468-1	11/25/20	680-645697	W	Trans-1,3-Dichloropropene	87	84	70	130	3.5	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Trans-1,4-Dichloro-2-Butene	83	75	67	112	10.1	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Trichloroethene	103	99	70	130	4	30
SW8260B	680-191468-1	11/25/20	680-645697	W	Trichlorofluoromethane	86	83	63	142	3.6	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Vinyl Acetate	75	78	67	135	4	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Vinyl Chloride	105	104	66	129	1.0	20
SW8260B	680-191468-1	11/25/20	680-645697	W	Xylenes (Total)	98	93	70	130	5.2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,1,1,2-Tetrachloroethane	112	115	70	130	2.6	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,1,1-Trichloroethane	92	94	70	130	2.2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,1,2,2-Tetrachloroethane	104	106	70	130	1.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	109	114	63	141	4.5	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,1,2-Trichloroethane	106	105	70	130	0.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,1-Dichloroethane	94	95	70	130	1.1	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,1-Dichloropropene	99	102	70	130	3	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2,3-Trichlorobenzene	101	104	61	141	2.9	30
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2,3-Trichloropropane	108	111	70	130	2.7	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2,4-Trichlorobenzene	100	101	70	130	1.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2,4-Trimethylbenzene	94	99	70	130	5.2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2-Dibromo-3-Chloropropane	105	106	70	130	0.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2-Dibromoethane	110	106	70	130	3.7	40
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2-Dichlorobenzene	99	102	70	130	3.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2-Dichloroethane	96	96	70	130	0.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,2-Dichloropropane	103	103	70	130	0.0	30
SW8260B	680-191488-1	11/23/20	680-645311	W	1,3,5-Trimethylbenzene	93	98	70	130	5.2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,3-Dichlorobenzene	100	103	70	130	3.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,3-Dichloropropane	106	104	70	130	1.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	1,4-Dichlorobenzene	100	102	70	130	2.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	2,2-Dichloropropane	95	96	70	130	1.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	2-Butanone (MEK)	105	102	69	114	2.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	2-Chlorotoluene	97	102	70	130	5.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	2-Hexanone	90	87	70	130	3.4	30
SW8260B	680-191488-1	11/23/20	680-645311	W	4-Chlorotoluene	97	102	70	130	5	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191488-1	11/23/20	680-645311	W	4-Methyl-2-Pentanone (MIBK)	88	86	68	108	2.3	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Acetone	95	93	67	113	2.1	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Acrylonitrile	98	96	70	130	2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Benzene	100	101	70	130	1.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Bromobenzene	111	116	70	130	4.4	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Bromochloromethane	107	105	70	130	1.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Bromodichloromethane	98	99	70	130	1.0	30
SW8260B	680-191488-1	11/23/20	680-645311	W	Bromoform	114	117	69	129	2.6	30
SW8260B	680-191488-1	11/23/20	680-645311	W	Bromomethane	66	76	28	192	14.1	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Carbon Disulfide	97	103	70	130	6.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Carbon Tetrachloride	95	97	70	130	2.1	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Chlorobenzene	106	111	70	130	4.6	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Chloroethane	86	88	31	213	2.3	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Chloroform	95	95	70	130	0.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Chloromethane	86	90	59	127	4.5	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Cis-1,2-Dichloroethene	92	92	70	130	0.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Cis-1,3-Dichloropropene	104	103	70	130	1.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Dibromochloromethane	109	105	70	130	3.7	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Dibromomethane	99	100	70	130	1.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Dichlorodifluoromethane	92	99	70	130	7.3	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Ethylbenzene	97	104	70	130	7.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Hexachlorobutadiene	105	106	70	130	0.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Iodomethane	94	98	52	129	4.2	30
SW8260B	680-191488-1	11/23/20	680-645311	W	Isopropyl Benzene (Cumene)	98	103	70	130	5.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	m,p-Xylene	100	105	70	130	4.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Methylene Chloride	100	102	70	130	2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Mtbe	98	98	70	130	0.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Naphthalene	99	98	57	149	1	20
SW8260B	680-191488-1	11/23/20	680-645311	W	N-Butylbenzene	83	87	70	130	4.7	20
SW8260B	680-191488-1	11/23/20	680-645311	W	N-Propylbenzene	94	100	70	130	6	20
SW8260B	680-191488-1	11/23/20	680-645311	W	O-Xylene	101	105	70	130	3.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	P-Isopropyltoluene (Cymene)	91	94	70	130	3.2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Sec-Butylbenzene	92	98	70	130	6.3	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191488-1	11/23/20	680-645311	W	Styrene	108	112	70	130	3.6	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Tert-Butylbenzene	95	103	70	130	8.1	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Tetrachloroethylene	109	112	70	130	3	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Toluene	102	103	70	130	1.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Trans-1,2-Dichloroethene	100	105	70	130	4.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Trans-1,3-Dichloropropene	102	100	70	130	2.0	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Trans-1,4-Dichloro-2-Butene	92	94	67	112	2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Trichloroethene	109	111	70	130	2	30
SW8260B	680-191488-1	11/23/20	680-645311	W	Trichlorofluoromethane	87	92	63	142	6	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Vinyl Acetate	104	100	67	135	3.9	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Vinyl Chloride	93	97	66	129	4.2	20
SW8260B	680-191488-1	11/23/20	680-645311	W	Xylenes (Total)	100	105	70	130	4.9	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,1,1,2-Tetrachloroethane	100	95	70	130	5.1	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,1,1-Trichloroethane	123	114	70	130	7.6	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,1,2,2-Tetrachloroethane	101	96	70	130	5.1	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	100	90	63	141	10.5	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,1,2-Trichloroethane	105	102	70	130	2.9	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,1-Dichloroethane	105	99	70	130	6	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,1-Dichloroethene	92	87	70	130	5.6	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,1-Dichloropropene	107	99	70	130	7.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2,3-Trichlorobenzene	99	98	61	141	1.0	30
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2,3-Trichloropropane	96	92	70	130	4.3	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2,4-Trichlorobenzene	92	86	70	130	7	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2,4-Trimethylbenzene	102	100	70	130	2.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2-Dibromo-3-Chloropropane	90	85	70	130	5.7	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2-Dibromoethane	104	99	70	130	4.9	40
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2-Dichlorobenzene	107	103	70	130	3.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2-Dichloroethane	119	110	70	130	7.9	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,2-Dichloropropane	101	101	70	130	0.0	30
SW8260B	680-191488-1	11/24/20	680-645430	W	1,3,5-Trimethylbenzene	102	99	70	130	3.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,3-Dichlorobenzene	107	103	70	130	4	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,3-Dichloropropane	109	105	70	130	3.7	20
SW8260B	680-191488-1	11/24/20	680-645430	W	1,4-Dichlorobenzene	104	100	70	130	3.9	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191488-1	11/24/20	680-645430	W	2,2-Dichloropropane	104	96	70	130	8.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	2-Butanone (MEK)	98	91	69	114	7.4	20
SW8260B	680-191488-1	11/24/20	680-645430	W	2-Chlorotoluene	100	96	70	130	4.1	20
SW8260B	680-191488-1	11/24/20	680-645430	W	2-Hexanone	90	88	70	130	2.2	30
SW8260B	680-191488-1	11/24/20	680-645430	W	4-Chlorotoluene	101	97	70	130	4.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	4-Methyl-2-Pentanone (MIBK)	98	95	68	108	3	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Acetone	85	82	67	113	4	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Acrylonitrile	93	88	70	130	6	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Benzene	106	100	70	130	5.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Bromobenzene	98	94	70	130	4	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Bromochloromethane	97	87	70	130	10.9	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Bromodichloromethane	118	108	70	130	9	30
SW8260B	680-191488-1	11/24/20	680-645430	W	Bromoform	91	86	69	129	5.6	30
SW8260B	680-191488-1	11/24/20	680-645430	W	Bromomethane	86	81	28	192	6.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Carbon Disulfide	96	89	70	130	7.6	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Carbon Tetrachloride	111	103	70	130	7.5	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Chlorobenzene	103	99	70	130	4.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Chloroethane	104	100	31	213	3.9	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Chloroform	117	110	70	130	6.2	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Chloromethane	96	90	59	127	6.5	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Cis-1,2-Dichloroethene	96	90	70	130	6.5	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Cis-1,3-Dichloropropene	104	97	70	130	7.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Dibromochloromethane	103	94	70	130	9.1	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Dibromomethane	106	102	70	130	3.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Dichlorodifluoromethane	145	128	70	130	12.5	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Ethylbenzene	104	99	70	130	4.9	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Hexachlorobutadiene	106	96	70	130	10	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Iodomethane	81	76	52	129	6.4	30
SW8260B	680-191488-1	11/24/20	680-645430	W	Isopropyl Benzene (Cumene)	107	100	70	130	6.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	m,p-Xylene	98	91	70	130	7.4	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Methylene Chloride	108	101	70	130	6.7	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Mtbe	112	104	70	130	7.4	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Naphthalene	98	94	57	149	4.2	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191488-1	11/24/20	680-645430	W	N-Butylbenzene	107	96	70	130	10.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	N-Propylbenzene	91	87	70	130	4.5	20
SW8260B	680-191488-1	11/24/20	680-645430	W	O-Xylene	106	100	70	130	5.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	P-Isopropyltoluene (Cymene)	102	98	70	130	4.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Sec-Butylbenzene	102	99	70	130	3.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Styrene	110	107	70	130	2.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Tert-Butylbenzene	105	102	70	130	2.9	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Tetrachloroethylene	95	91	70	130	4.3	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Toluene	102	97	70	130	5.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Trans-1,2-Dichloroethene	92	87	70	130	5.6	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Trans-1,3-Dichloropropene	109	103	70	130	6	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Trans-1,4-Dichloro-2-Butene	95	87	67	112	8.8	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Trichloroethene	101	95	70	130	6.1	30
SW8260B	680-191488-1	11/24/20	680-645430	W	Trichlorofluoromethane	116	106	63	142	9.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Vinyl Acetate	99	93	67	135	6.3	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Vinyl Chloride	93	85	66	129	9.0	20
SW8260B	680-191488-1	11/24/20	680-645430	W	Xylenes (Total)	102	95	70	130	7.1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,1,1,2-Tetrachloroethane	97	96	70	130	1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,1,1-Trichloroethane	115	113	70	130	1.8	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,1,2,2-Tetrachloroethane	100	103	70	130	3.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	94	96	63	141	2.1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,1,2-Trichloroethane	99	99	70	130	0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,1-Dichloroethane	100	100	70	130	0.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,1-Dichloroethene	87	89	70	130	2.3	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,1-Dichloropropene	103	103	70	130	0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2,3-Trichlorobenzene	93	96	61	141	3.2	30
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2,3-Trichloropropane	89	97	70	130	8.6	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2,4-Trichlorobenzene	87	90	70	130	3.4	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2,4-Trimethylbenzene	101	107	70	130	5.8	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2-Dibromo-3-Chloropropane	85	91	70	130	6.8	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2-Dibromoethane	98	95	70	130	3.1	40
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2-Dichlorobenzene	102	104	70	130	1.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2-Dichloroethane	108	109	70	130	0.9	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191488-1	11/24/20	680-645528	W	1,2-Dichloropropane	97	98	70	130	1.0	30
SW8260B	680-191488-1	11/24/20	680-645528	W	1,3,5-Trimethylbenzene	101	105	70	130	3.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,3-Dichlorobenzene	105	106	70	130	0.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,3-Dichloropropane	103	102	70	130	1.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	1,4-Dichlorobenzene	102	103	70	130	1.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	2,2-Dichloropropane	115	112	70	130	2.6	20
SW8260B	680-191488-1	11/24/20	680-645528	W	2-Butanone (MEK)	91	94	69	114	3.2	20
SW8260B	680-191488-1	11/24/20	680-645528	W	2-Chlorotoluene	100	105	70	130	5	20
SW8260B	680-191488-1	11/24/20	680-645528	W	2-Hexanone	86	81	70	130	6.0	30
SW8260B	680-191488-1	11/24/20	680-645528	W	4-Chlorotoluene	102	104	70	130	1.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	4-Methyl-2-Pentanone (MIBK)	92	87	68	108	6	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Acetone	79	80	67	113	1.3	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Acrylonitrile	88	90	70	130	2.2	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Benzene	101	102	70	130	1.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Bromobenzene	99	103	70	130	4.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Bromochloromethane	91	91	70	130	0.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Bromodichloromethane	109	107	70	130	1.9	30
SW8260B	680-191488-1	11/24/20	680-645528	W	Bromoform	87	91	69	129	4.5	30
SW8260B	680-191488-1	11/24/20	680-645528	W	Bromomethane	69	72	28	192	4.3	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Carbon Disulfide	96	96	70	130	0.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Carbon Tetrachloride	102	105	70	130	2.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Chlorobenzene	102	105	70	130	2.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Chloroethane	104	109	31	213	4.7	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Chloroform	109	109	70	130	0.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Chloromethane	93	93	59	127	0.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Cis-1,2-Dichloroethene	91	94	70	130	3.2	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Cis-1,3-Dichloropropene	98	94	70	130	4.2	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Dibromochloromethane	95	91	70	130	4.3	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Dibromomethane	100	98	70	130	2.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Dichlorodifluoromethane	131	130	70	130	1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Ethylbenzene	101	102	70	130	1.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Hexachlorobutadiene	102	101	70	130	1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Iodomethane	87	87	52	129	0.0	30

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191488-1	11/24/20	680-645528	W	Isopropyl Benzene (Cumene)	104	108	70	130	3.8	20
SW8260B	680-191488-1	11/24/20	680-645528	W	m,p-Xylene	95	97	70	130	2.1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Methylene Chloride	104	103	70	130	1.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Mtbe	103	105	70	130	1.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Naphthalene	94	98	57	149	4.2	20
SW8260B	680-191488-1	11/24/20	680-645528	W	N-Butylbenzene	107	108	70	130	0.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	N-Propylbenzene	92	95	70	130	3.2	20
SW8260B	680-191488-1	11/24/20	680-645528	W	O-Xylene	104	106	70	130	1.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	P-Isopropyltoluene (Cymene)	100	103	70	130	3.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Sec-Butylbenzene	103	108	70	130	4.7	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Styrene	108	114	70	130	5	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Tert-Butylbenzene	106	111	70	130	4.6	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Tetrachloroethylene	91	92	70	130	1.1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Toluene	95	96	70	130	1.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Trans-1,2-Dichloroethene	89	90	70	130	1.1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Trans-1,3-Dichloropropene	105	105	70	130	0.0	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Trans-1,4-Dichloro-2-Butene	87	85	67	112	2.3	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Trichloroethene	94	97	70	130	3.1	30
SW8260B	680-191488-1	11/24/20	680-645528	W	Trichlorofluoromethane	110	109	63	142	0.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Vinyl Acetate	111	112	67	135	0.9	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Vinyl Chloride	89	90	66	129	1.1	20
SW8260B	680-191488-1	11/24/20	680-645528	W	Xylenes (Total)	100	101	70	130	1.0	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,1,1,2-Tetrachloroethane	94	103	70	130	9.1	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,1,1-Trichloroethane	105	115	70	130	9	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,1,2,2-Tetrachloroethane	100	112	70	130	11.3	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	93	109	63	141	16	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,1,2-Trichloroethane	97	116	70	130	17.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,1-Dichloroethane	98	110	70	130	11.5	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,1-Dichloroethene	94	106	70	130	12.0	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,1-Dichloropropene	95	105	70	130	10.0	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2,3-Trichlorobenzene	93	103	61	141	10	30
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2,3-Trichloropropane	95	103	70	130	8.1	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2,4-Trichlorobenzene	86	95	70	130	9.9	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2,4-Trimethylbenzene	102	110	70	130	7.5	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2-Dibromo-3-Chloropropane	87	98	70	130	11.9	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2-Dibromoethane	96	111	70	130	14.5	40
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2-Dichlorobenzene	100	112	70	130	11.3	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2-Dichloroethane	96	107	70	130	11	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,2-Dichloropropane	98	110	70	130	12	30
SW8260B	680-191488-1	11/25/20	680-645722	W	1,3,5-Trimethylbenzene	103	110	70	130	6.6	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,3-Dichlorobenzene	102	112	70	130	9.3	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,3-Dichloropropane	99	117	70	130	16.7	20
SW8260B	680-191488-1	11/25/20	680-645722	W	1,4-Dichlorobenzene	99	110	70	130	10.5	20
SW8260B	680-191488-1	11/25/20	680-645722	W	2,2-Dichloropropane	105	119	70	130	12.5	20
SW8260B	680-191488-1	11/25/20	680-645722	W	2-Butanone (MEK)	97	110	69	114	12.6	20
SW8260B	680-191488-1	11/25/20	680-645722	W	2-Chlorotoluene	100	107	70	130	6.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	2-Hexanone	87	108	70	130	21.5	30
SW8260B	680-191488-1	11/25/20	680-645722	W	4-Chlorotoluene	100	109	70	130	8.6	20
SW8260B	680-191488-1	11/25/20	680-645722	W	4-Methyl-2-Pentanone (MIBK)	89	105	68	108	16.5	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Acetone	87	101	67	113	14.9	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Acrylonitrile	91	106	70	130	15.2	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Benzene	99	110	70	130	10.5	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Bromobenzene	99	106	70	130	6.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Bromochloromethane	101	95	70	130	6.1	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Bromodichloromethane	102	115	70	130	12	30
SW8260B	680-191488-1	11/25/20	680-645722	W	Bromoform	86	96	69	129	11.0	30
SW8260B	680-191488-1	11/25/20	680-645722	W	Bromomethane	82	95	28	192	14.7	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Carbon Disulfide	100	110	70	130	10	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Carbon Tetrachloride	94	106	70	130	12.0	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Chlorobenzene	101	109	70	130	7.6	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Chloroethane	100	116	31	213	14.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Chloroform	107	113	70	130	5.5	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Chloromethane	101	114	59	127	12.1	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Cis-1,2-Dichloroethene	96	107	70	130	10.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Cis-1,3-Dichloropropene	93	106	70	130	13.1	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Dibromochloromethane	95	112	70	130	16.4	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191488-1	11/25/20	680-645722	W	Dibromomethane	96	107	70	130	10.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Dichlorodifluoromethane	140	161	70	130	14.0	30
SW8260B	680-191488-1	11/25/20	680-645722	W	Ethylbenzene	101	109	70	130	7.6	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Hexachlorobutadiene	94	106	70	130	12.0	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Iodomethane	62	79	52	129	24	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Isopropyl Benzene (Cumene)	104	113	70	130	8.3	20
SW8260B	680-191488-1	11/25/20	680-645722	W	m,p-Xylene	95	102	70	130	7.1	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Methylene Chloride	107	119	70	130	11	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Mtbe	104	120	70	130	14	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Naphthalene	93	104	57	149	11.2	20
SW8260B	680-191488-1	11/25/20	680-645722	W	N-Butylbenzene	99	111	70	130	11	20
SW8260B	680-191488-1	11/25/20	680-645722	W	N-Propylbenzene	90	97	70	130	7.5	20
SW8260B	680-191488-1	11/25/20	680-645722	W	O-Xylene	105	112	70	130	6.5	30
SW8260B	680-191488-1	11/25/20	680-645722	W	P-Isopropyltoluene (Cymene)	97	105	70	130	7.9	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Sec-Butylbenzene	101	111	70	130	9.4	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Styrene	107	115	70	130	7.2	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Tert-Butylbenzene	104	113	70	130	8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Tetrachloroethylene	91	103	70	130	12.4	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Toluene	97	108	70	130	11	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Trans-1,2-Dichloroethene	96	108	70	130	11.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Trans-1,3-Dichloropropene	95	108	70	130	12.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Trans-1,4-Dichloro-2-Butene	93	102	67	112	9.2	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Trichloroethene	95	108	70	130	12.8	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Trichlorofluoromethane	111	123	63	142	10.3	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Vinyl Acetate	89	106	67	135	17.4	30
SW8260B	680-191488-1	11/25/20	680-645722	W	Vinyl Chloride	101	111	66	129	9.4	20
SW8260B	680-191488-1	11/25/20	680-645722	W	Xylenes (Total)	100	107	70	130	6.8	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,1,1,2-Tetrachloroethane	94	103	70	130	9.1	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,1,1-Trichloroethane	105	115	70	130	9.1	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,1,2,2-Tetrachloroethane	100	112	70	130	11.3	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,1,2-Trichloroethane	97	116	70	130	17.8	30
SW8260B	680-191752-1	11/25/20	680-645722	W	1,1-Dichloroethane	98	110	70	130	11.5	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,1-Dichloroethene	94	106	70	130	12.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191752-1	11/25/20	680-645722	W	1,2,3-Trichloropropane	95	103	70	130	8	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,2-Dibromo-3-Chloropropane	87	98	70	130	11.9	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,2-Dibromoethane	96	111	70	130	14.5	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,2-Dichlorobenzene	100	112	70	130	11.3	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,2-Dichloroethane	96	107	70	130	10.8	30
SW8260B	680-191752-1	11/25/20	680-645722	W	1,2-Dichloropropane	98	110	70	130	11.5	30
SW8260B	680-191752-1	11/25/20	680-645722	W	1,3-Dichloropropane	99	117	70	130	16.7	20
SW8260B	680-191752-1	11/25/20	680-645722	W	1,4-Dichlorobenzene	99	110	70	130	10.5	20
SW8260B	680-191752-1	11/25/20	680-645722	W	2-Butanone (MEK)	97	110	69	114	12.6	20
SW8260B	680-191752-1	11/25/20	680-645722	W	2-Hexanone	87	108	70	130	21.5	20
SW8260B	680-191752-1	11/25/20	680-645722	W	4-Methyl-2-Pentanone (MIBK)	89	105	68	108	16.5	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Acetone	87	101	67	113	14.9	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Acrylonitrile	91	106	70	130	15.2	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Benzene	99	110	70	130	10.5	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Bromochloromethane	101	95	70	130	6	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Bromodichloromethane	102	115	70	130	12.0	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Bromoform	86	96	69	129	11.0	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Bromomethane	82	95	28	192	15	30
SW8260B	680-191752-1	11/25/20	680-645722	W	Carbon Disulfide	100	110	70	130	10	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Carbon Tetrachloride	94	106	70	130	12.0	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Chlorobenzene	101	109	70	130	7.6	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Chloroethane	100	116	31	213	14.8	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Chloroform	107	113	70	130	5.5	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Chloromethane	101	114	59	127	12.1	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Cis-1,2-Dichloroethene	96	107	70	130	11	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Cis-1,3-Dichloropropene	93	106	70	130	13	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Dibromochloromethane	95	112	70	130	16.4	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Dibromomethane	96	107	70	130	10.8	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Ethylbenzene	101	109	70	130	8	30
SW8260B	680-191752-1	11/25/20	680-645722	W	Iodomethane	62	79	52	129	24	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Methylene Chloride	107	119	70	130	11	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Mtbe	104	120	70	130	14	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Styrene	107	115	70	130	7	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191752-1	11/25/20	680-645722	W	Tetrachloroethylene	91	103	70	130	12	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Toluene	97	108	70	130	10.7	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Trans-1,2-Dichloroethene	96	108	70	130	11.8	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Trans-1,3-Dichloropropene	95	108	70	130	13	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Trans-1,4-Dichloro-2-Butene	93	102	67	112	9	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Trichloroethene	95	108	70	130	12.8	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Trichlorofluoromethane	111	123	63	142	10.3	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Vinyl Acetate	89	106	67	135	17.4	30
SW8260B	680-191752-1	11/25/20	680-645722	W	Vinyl Chloride	101	111	66	129	9	20
SW8260B	680-191752-1	11/25/20	680-645722	W	Xylenes (Total)	100	107	70	130	6.8	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,1,1,2-Tetrachloroethane	86	84	70	130	2.4	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,1,1-Trichloroethane	88	86	70	130	2.3	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,1,2,2-Tetrachloroethane	102	99	70	130	3.0	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,1,2-Trichloroethane	94	92	70	130	2.2	30
SW8260B	680-191752-1	11/25/20	680-645728	W	1,1-Dichloroethane	94	93	70	130	1	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,1-Dichloroethene	83	83	70	130	0	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,2,3-Trichloropropane	106	105	70	130	0.9	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,2-Dibromo-3-Chloropropane	100	100	70	130	0.0	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,2-Dibromoethane	96	95	70	130	1	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,2-Dichlorobenzene	95	92	70	130	3.2	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,2-Dichloroethane	100	98	70	130	2.0	30
SW8260B	680-191752-1	11/25/20	680-645728	W	1,2-Dichloropropane	94	91	70	130	3.2	30
SW8260B	680-191752-1	11/25/20	680-645728	W	1,3-Dichloropropane	98	95	70	130	3	20
SW8260B	680-191752-1	11/25/20	680-645728	W	1,4-Dichlorobenzene	93	91	70	130	2	20
SW8260B	680-191752-1	11/25/20	680-645728	W	2-Butanone (MEK)	103	108	69	114	4.7	20
SW8260B	680-191752-1	11/25/20	680-645728	W	2-Hexanone	114	116	70	130	2	20
SW8260B	680-191752-1	11/25/20	680-645728	W	4-Methyl-2-Pentanone (MIBK)	113	113	68	108	0.0	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Acetone	115	120	67	113	4	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Acrylonitrile	112	114	70	130	1.8	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Benzene	89	86	70	130	3.4	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Bromochloromethane	94	92	70	130	2	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Bromodichloromethane	87	84	70	130	3.5	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Bromoform	78	78	69	129	0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191752-1	11/25/20	680-645728	W	Bromomethane	50	69	28	192	31.9	30
SW8260B	680-191752-1	11/25/20	680-645728	W	Carbon Disulfide	87	85	70	130	2.3	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Carbon Tetrachloride	84	83	70	130	1.2	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Chlorobenzene	92	88	70	130	4.4	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Chloroethane	99	92	31	213	7	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Chloroform	91	88	70	130	3	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Chloromethane	93	92	59	127	1	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Cis-1,2-Dichloroethene	94	92	70	130	2.2	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Cis-1,3-Dichloropropene	88	85	70	130	3.5	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Dibromochloromethane	87	84	70	130	3.5	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Dibromomethane	96	94	70	130	2.1	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Ethylbenzene	92	89	70	130	3	30
SW8260B	680-191752-1	11/25/20	680-645728	W	Iodomethane	45	51	52	129	12.5	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Methylene Chloride	92	87	70	130	5.6	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Mtbe	94	94	70	130	0	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Styrene	93	90	70	130	3.3	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Tetrachloroethylene	88	85	70	130	3.5	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Toluene	92	89	70	130	3	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Trans-1,2-Dichloroethene	88	87	70	130	1	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Trans-1,3-Dichloropropene	89	86	70	130	3.4	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Trans-1,4-Dichloro-2-Butene	83	85	67	112	2.4	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Trichloroethene	91	89	70	130	2	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Trichlorofluoromethane	93	91	63	142	2.2	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Vinyl Acetate	94	98	67	135	4	30
SW8260B	680-191752-1	11/25/20	680-645728	W	Vinyl Chloride	96	95	66	129	1.0	20
SW8260B	680-191752-1	11/25/20	680-645728	W	Xylenes (Total)	91	87	70	130	4.5	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,1,1,2-Tetrachloroethane	103	108	70	130	4.7	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,1,1-Trichloroethane	83	86	70	130	3.6	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,1,2,2-Tetrachloroethane	101	103	70	130	2	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,1,2-Trichloroethane	104	104	70	130	0.0	30
SW8260B	680-191752-1	11/28/20	680-646096	W	1,1-Dichloroethane	90	91	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,1-Dichloroethene	101	102	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,2,3-Trichloropropane	100	102	70	130	2.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191752-1	11/28/20	680-646096	W	1,2-Dibromo-3-Chloropropane	101	104	70	130	2.9	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,2-Dibromoethane	100	101	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,2-Dichlorobenzene	96	97	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,2-Dichloroethane	84	84	70	130	0.0	30
SW8260B	680-191752-1	11/28/20	680-646096	W	1,2-Dichloropropane	101	102	70	130	1	30
SW8260B	680-191752-1	11/28/20	680-646096	W	1,3-Dichloropropane	99	100	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	1,4-Dichlorobenzene	97	97	70	130	0.0	20
SW8260B	680-191752-1	11/28/20	680-646096	W	2-Butanone (MEK)	102	104	69	114	1.9	20
SW8260B	680-191752-1	11/28/20	680-646096	W	2-Hexanone	90	92	70	130	2	20
SW8260B	680-191752-1	11/28/20	680-646096	W	4-Methyl-2-Pentanone (MIBK)	88	89	68	108	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Acetone	97	99	67	113	2.0	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Acrylonitrile	95	96	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Benzene	97	99	70	130	2.0	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Bromochloromethane	95	96	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Bromodichloromethane	91	92	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Bromoform	106	108	69	129	2	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Bromomethane	76	82	28	192	8	30
SW8260B	680-191752-1	11/28/20	680-646096	W	Carbon Disulfide	104	106	70	130	1.9	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Carbon Tetrachloride	89	91	70	130	2	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Chlorobenzene	104	108	70	130	3.8	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Chloroethane	88	93	31	213	5.5	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Chloroform	86	89	70	130	3	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Chloromethane	101	103	59	127	2	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Cis-1,2-Dichloroethene	89	91	70	130	2	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Cis-1,3-Dichloropropene	98	100	70	130	2.0	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Dibromochloromethane	99	100	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Dibromomethane	91	92	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Ethylbenzene	97	100	70	130	3	30
SW8260B	680-191752-1	11/28/20	680-646096	W	Iodomethane	94	95	52	129	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Methylene Chloride	95	97	70	130	2.1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Mtbe	90	91	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Styrene	102	105	70	130	2.9	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Tetrachloroethylene	107	109	70	130	2	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191752-1	11/28/20	680-646096	W	Toluene	99	101	70	130	2	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Trans-1,2-Dichloroethene	101	102	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Trans-1,3-Dichloropropene	88	89	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Trans-1,4-Dichloro-2-Butene	83	85	67	112	2.4	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Trichloroethene	104	105	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Trichlorofluoromethane	88	88	63	142	0	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Vinyl Acetate	87	89	67	135	2.3	30
SW8260B	680-191752-1	11/28/20	680-646096	W	Vinyl Chloride	111	114	66	129	2.7	20
SW8260B	680-191752-1	11/28/20	680-646096	W	Xylenes (Total)	100	102	70	130	2	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,1,1,2-Tetrachloroethane	85	83	70	130	2	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,1,1-Trichloroethane	93	94	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,1,2,2-Tetrachloroethane	96	95	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,1,2-Trichloroethane	101	99	70	130	2	30
SW8260B	680-191752-1	11/28/20	680-646104	W	1,1-Dichloroethane	97	99	70	130	2	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,1-Dichloroethene	93	93	70	130	0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,2,3-Trichloropropane	93	94	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,2-Dibromo-3-Chloropropane	92	91	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,2-Dibromoethane	96	95	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,2-Dichlorobenzene	95	94	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,2-Dichloroethane	95	93	70	130	2	30
SW8260B	680-191752-1	11/28/20	680-646104	W	1,2-Dichloropropane	101	102	70	130	1	30
SW8260B	680-191752-1	11/28/20	680-646104	W	1,3-Dichloropropane	105	104	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	1,4-Dichlorobenzene	95	94	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	2-Butanone (MEK)	101	104	69	114	3	20
SW8260B	680-191752-1	11/28/20	680-646104	W	2-Hexanone	94	93	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	4-Methyl-2-Pentanone (MIBK)	95	94	68	108	1.1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Acetone	100	105	67	113	4.9	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Acrylonitrile	98	97	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Benzene	99	100	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Bromochloromethane	93	91	70	130	2.2	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Bromodichloromethane	88	88	70	130	0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Bromoform	75	74	69	129	1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Bromomethane	95	92	28	192	3	30

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191752-1	11/28/20	680-646104	W	Carbon Disulfide	98	100	70	130	2.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Carbon Tetrachloride	88	88	70	130	0.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Chlorobenzene	94	95	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Chloroethane	134	140	31	213	4.4	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Chloroform	95	96	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Chloromethane	100	103	59	127	3.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Cis-1,2-Dichloroethene	97	96	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Cis-1,3-Dichloropropene	97	96	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Dibromochloromethane	82	84	70	130	2.4	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Dibromomethane	95	95	70	130	0.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Ethylbenzene	96	97	70	130	1.0	30
SW8260B	680-191752-1	11/28/20	680-646104	W	Iodomethane	81	76	52	129	6.4	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Methylene Chloride	93	95	70	130	2.1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Mtbe	94	94	70	130	0.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Styrene	96	94	70	130	2.1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Tetrachloroethylene	96	95	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Toluene	100	100	70	130	0.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Trans-1,2-Dichloroethene	92	94	70	130	2.2	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Trans-1,3-Dichloropropene	96	97	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Trans-1,4-Dichloro-2-Butene	81	83	67	112	2	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Trichloroethene	95	97	70	130	2.1	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Trichlorofluoromethane	92	96	63	142	4.3	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Vinyl Acetate	106	100	67	135	5.8	30
SW8260B	680-191752-1	11/28/20	680-646104	W	Vinyl Chloride	97	101	66	129	4.0	20
SW8260B	680-191752-1	11/28/20	680-646104	W	Xylenes (Total)	94	93	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,1,1,2-Tetrachloroethane	88	91	70	130	3.4	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,1,1-Trichloroethane	91	92	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,1,2,2-Tetrachloroethane	93	113	70	130	19.4	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,1,2-Trichloroethane	90	101	70	130	11.5	30
SW8260B	680-191752-1	11/28/20	680-646112	W	1,1-Dichloroethane	95	96	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,1-Dichloroethene	86	86	70	130	0.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,2,3-Trichloropropane	92	120	70	130	26.4	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,2-Dibromo-3-Chloropropane	87	113	70	130	26.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191752-1	11/28/20	680-646112	W	1,2-Dibromoethane	90	104	70	130	14	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,2-Dichlorobenzene	95	97	70	130	2.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,2-Dichloroethane	97	105	70	130	7.9	30
SW8260B	680-191752-1	11/28/20	680-646112	W	1,2-Dichloropropane	96	98	70	130	2.1	30
SW8260B	680-191752-1	11/28/20	680-646112	W	1,3-Dichloropropane	92	103	70	130	11	20
SW8260B	680-191752-1	11/28/20	680-646112	W	1,4-Dichlorobenzene	95	96	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	2-Butanone (MEK)	85	121	69	114	35.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	2-Hexanone	95	130	70	130	31.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	4-Methyl-2-Pentanone (MIBK)	96	128	68	108	29	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Acetone	93	133	67	113	35.4	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Acrylonitrile	93	127	70	130	30.9	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Benzene	89	90	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Bromochloromethane	94	100	70	130	6.2	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Bromodichloromethane	88	91	70	130	3.4	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Bromoform	76	89	69	129	15.8	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Bromomethane	69	75	28	192	8.3	30
SW8260B	680-191752-1	11/28/20	680-646112	W	Carbon Disulfide	88	88	70	130	0.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Carbon Tetrachloride	89	88	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Chlorobenzene	93	96	70	130	3.2	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Chloroethane	94	92	31	213	2.2	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Chloroform	92	93	70	130	1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Chloromethane	94	95	59	127	1.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Cis-1,2-Dichloroethene	95	96	70	130	1.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Cis-1,3-Dichloropropene	89	93	70	130	4.4	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Dibromochloromethane	86	93	70	130	7.8	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Dibromomethane	91	99	70	130	8.4	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Ethylbenzene	94	95	70	130	1.1	30
SW8260B	680-191752-1	11/28/20	680-646112	W	Iodomethane	56	52	52	129	7.4	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Methylene Chloride	89	91	70	130	2.2	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Mtbe	88	101	70	130	13.8	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Styrene	95	97	70	130	2.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Tetrachloroethylene	91	89	70	130	2.2	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Toluene	94	94	70	130	0.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-191752-1	11/28/20	680-646112	W	Trans-1,2-Dichloroethene	89	90	70	130	1.1	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Trans-1,3-Dichloropropene	89	95	70	130	6.5	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Trans-1,4-Dichloro-2-Butene	78	102	67	112	26.7	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Trichloroethene	93	93	70	130	0.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Trichlorofluoromethane	97	97	63	142	0.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Vinyl Acetate	97	112	67	135	14.4	30
SW8260B	680-191752-1	11/28/20	680-646112	W	Vinyl Chloride	98	98	66	129	0.0	20
SW8260B	680-191752-1	11/28/20	680-646112	W	Xylenes (Total)	92	93	70	130	1.1	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,1,1,2-Tetrachloroethane	113	108	70	130	4.5	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,1,1-Trichloroethane	98	100	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,1,2,2-Tetrachloroethane	114	110	70	130	3.6	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	89	92	63	141	3.3	30
SW8260B	680-198812-1	5/14/21	680-668547	W	1,1,2-Trichloroethane	107	107	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,1-Dichloroethane	100	101	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,1-Dichloroethene	98	100	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,1-Dichloropropene	97	98	70	130	1	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2,3-Trichlorobenzene	96	100	61	141	4.1	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2,3-Trichloropropane	112	104	70	130	7.4	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2,4-Trichlorobenzene	95	95	70	130	0.0	30
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2,4-Trimethylbenzene	110	108	70	130	1.8	30
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2-Dibromo-3-Chloropropane	96	96	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2-Dibromoethane	102	100	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2-Dichlorobenzene	105	103	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2-Dichloroethane	98	99	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,2-Dichloropropane	100	101	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,3,5-Trimethylbenzene	113	110	70	130	2.7	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,3-Dichlorobenzene	103	103	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,3-Dichloropropane	104	103	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	1,4-Dichlorobenzene	102	102	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	2,2-Dichloropropane	106	108	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	2-Butanone (MEK)	90	87	69	114	3.4	20
SW8260B	680-198812-1	5/14/21	680-668547	W	2-Chlorotoluene	113	110	70	130	2.7	30
SW8260B	680-198812-1	5/14/21	680-668547	W	2-Hexanone	95	92	70	130	3.2	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668547	W	4-Chlorotoluene	120	115	70	130	4.3	20
SW8260B	680-198812-1	5/14/21	680-668547	W	4-Methyl-2-Pentanone (MIBK)	94	92	68	108	2.2	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Acetone	97	99	67	113	2.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Acrylonitrile	100	97	70	130	3.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Benzene	105	106	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Bromobenzene	115	110	70	130	4.4	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Bromochloromethane	94	98	70	130	4.2	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Bromodichloromethane	104	104	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Bromoform	116	110	69	129	5.3	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Bromomethane	138	139	28	192	0.7	30
SW8260B	680-198812-1	5/14/21	680-668547	W	Carbon Disulfide	99	102	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Carbon Tetrachloride	100	102	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Chlorobenzene	107	105	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Chloroethane	111	117	31	213	5.3	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Chloroform	101	102	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Chloromethane	89	93	59	127	4.4	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Cis-1,2-Dichloroethene	109	107	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Cis-1,3-Dichloropropene	107	105	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Dibromochloromethane	108	105	70	130	2.8	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Dibromomethane	106	104	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Dichlorodifluoromethane	101	105	70	130	3.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Ethylbenzene	106	106	70	130	0.0	30
SW8260B	680-198812-1	5/14/21	680-668547	W	Hexachlorobutadiene	103	99	70	130	4.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Iodomethane	92	101	52	129	9.3	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Isopropyl Benzene (Cumene)	109	109	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	m,p-Xylene	109	107	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Methylene Chloride	105	109	70	130	3.7	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Mtbe	107	105	70	130	1.9	30
SW8260B	680-198812-1	5/14/21	680-668547	W	Naphthalene	96	100	57	149	4.1	20
SW8260B	680-198812-1	5/14/21	680-668547	W	N-Butylbenzene	104	105	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	N-Propylbenzene	115	113	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668547	W	O-Xylene	111	109	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668547	W	P-Isopropyltoluene (Cymene)	101	103	70	130	2.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668547	W	Sec-Butylbenzene	110	107	70	130	2.8	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Styrene	115	112	70	130	2.6	30
SW8260B	680-198812-1	5/14/21	680-668547	W	Tert-Butylbenzene	109	107	70	130	1.9	30
SW8260B	680-198812-1	5/14/21	680-668547	W	Tetrachloroethylene	97	97	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Toluene	99	101	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Trans-1,2-Dichloroethene	105	103	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Trans-1,3-Dichloropropene	110	108	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Trans-1,4-Dichloro-2-Butene	112	113	67	112	0.9	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Trichloroethene	101	104	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Trichlorofluoromethane	93	95	63	142	2.1	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Vinyl Acetate	117	112	67	135	4	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Vinyl Chloride	87	92	66	129	6	20
SW8260B	680-198812-1	5/14/21	680-668547	W	Xylenes (Total)	110	108	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,1,1,2-Tetrachloroethane	104	104	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,1,1-Trichloroethane	101	103	70	130	2	30
SW8260B	680-198812-1	5/14/21	680-668555	W	1,1,2,2-Tetrachloroethane	95	98	70	130	3.1	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	90	94	63	141	4.3	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,1,2-Trichloroethane	107	102	70	130	4.8	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,1-Dichloroethane	107	105	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,1-Dichloroethene	95	99	70	130	4.1	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,1-Dichloropropene	103	105	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2,3-Trichlorobenzene	106	106	61	141	0.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2,3-Trichloropropane	102	98	70	130	4.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2,4-Trichlorobenzene	109	103	70	130	6	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2,4-Trimethylbenzene	105	103	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2-Dibromo-3-Chloropropane	94	90	70	130	4.3	30
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2-Dibromoethane	109	107	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2-Dichlorobenzene	103	103	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2-Dichloroethane	115	113	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,2-Dichloropropane	109	108	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,3,5-Trimethylbenzene	103	104	70	130	1	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,3-Dichlorobenzene	100	103	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668555	W	1,3-Dichloropropane	109	106	70	130	3	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668555	W	1,4-Dichlorobenzene	101	103	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	2,2-Dichloropropane	108	108	70	130	0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	2-Butanone (MEK)	98	101	69	114	3	20
SW8260B	680-198812-1	5/14/21	680-668555	W	2-Chlorotoluene	100	102	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	2-Hexanone	99	98	70	130	1.0	30
SW8260B	680-198812-1	5/14/21	680-668555	W	4-Chlorotoluene	103	103	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	4-Methyl-2-Pentanone (MIBK)	98	98	68	108	0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Acetone	99	93	67	113	6.3	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Acrylonitrile	112	104	70	130	7.4	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Benzene	105	104	70	130	1	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Bromobenzene	105	107	70	130	1.9	30
SW8260B	680-198812-1	5/14/21	680-668555	W	Bromochloromethane	112	101	70	130	10.3	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Bromodichloromethane	113	111	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Bromoform	106	104	69	129	1.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Bromomethane	133	138	28	192	3.7	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Carbon Disulfide	106	102	70	130	3.8	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Carbon Tetrachloride	103	104	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Chlorobenzene	101	104	70	130	3	30
SW8260B	680-198812-1	5/14/21	680-668555	W	Chloroethane	121	113	31	213	7	30
SW8260B	680-198812-1	5/14/21	680-668555	W	Chloroform	105	103	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Chloromethane	107	100	59	127	6.8	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Cis-1,2-Dichloroethene	114	120	70	130	5	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Cis-1,3-Dichloropropene	109	108	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Dibromochloromethane	115	109	70	130	5.4	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Dibromomethane	111	109	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Dichlorodifluoromethane	109	107	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Ethylbenzene	101	104	70	130	2.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Hexachlorobutadiene	105	104	70	130	1	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Iodomethane	98	98	52	129	0.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Isopropyl Benzene (Cumene)	98	101	70	130	3.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	m,p-Xylene	100	104	70	130	3.9	30
SW8260B	680-198812-1	5/14/21	680-668555	W	Methylene Chloride	116	108	70	130	7.1	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Mtbe	104	102	70	130	2	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668555	W	Naphthalene	103	101	57	149	2.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	N-Butylbenzene	95	99	70	130	4.1	20
SW8260B	680-198812-1	5/14/21	680-668555	W	N-Propylbenzene	99	102	70	130	3.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	O-Xylene	104	106	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	P-Isopropyltoluene (Cymene)	96	101	70	130	5.1	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Sec-Butylbenzene	100	102	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Styrene	104	106	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Tert-Butylbenzene	101	101	70	130	0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Tetrachloroethylene	105	107	70	130	2	30
SW8260B	680-198812-1	5/14/21	680-668555	W	Toluene	105	105	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Trans-1,2-Dichloroethene	104	104	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Trans-1,3-Dichloropropene	117	114	70	130	2.6	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Trans-1,4-Dichloro-2-Butene	105	110	67	112	5	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Trichloroethene	103	104	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Trichlorofluoromethane	119	105	63	142	12.5	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Vinyl Acetate	100	97	67	135	3.0	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Vinyl Chloride	110	102	66	129	7.5	20
SW8260B	680-198812-1	5/14/21	680-668555	W	Xylenes (Total)	102	105	70	130	2.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,1,1,2-Tetrachloroethane	104	98	70	130	5.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,1,1-Trichloroethane	92	94	70	130	2.2	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,1,2,2-Tetrachloroethane	121	106	70	130	13.2	30
SW8260B	680-198812-1	5/14/21	680-668573	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	83	93	63	141	11.4	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,1,2-Trichloroethane	114	102	70	130	11.1	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,1-Dichloroethane	100	95	70	130	5	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,1-Dichloroethene	89	95	70	130	6.5	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,1-Dichloropropene	90	95	70	130	5.4	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2,3-Trichlorobenzene	77	76	61	141	1.3	30
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2,3-Trichloropropane	116	106	70	130	9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2,4-Trichlorobenzene	91	88	70	130	3.4	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2,4-Trimethylbenzene	104	100	70	130	3.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2-Dibromo-3-Chloropropane	90	85	70	130	5.7	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2-Dibromoethane	123	108	70	130	13.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2-Dichlorobenzene	105	104	70	130	1	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2-Dichloroethane	115	103	70	130	11.0	30
SW8260B	680-198812-1	5/14/21	680-668573	W	1,2-Dichloropropane	113	103	70	130	9.3	30
SW8260B	680-198812-1	5/14/21	680-668573	W	1,3,5-Trimethylbenzene	102	100	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,3-Dichlorobenzene	106	105	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,3-Dichloropropane	121	106	70	130	13.2	20
SW8260B	680-198812-1	5/14/21	680-668573	W	1,4-Dichlorobenzene	105	102	70	130	2.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	2,2-Dichloropropane	107	106	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	2-Butanone (MEK)	116	102	69	114	12.8	20
SW8260B	680-198812-1	5/14/21	680-668573	W	2-Chlorotoluene	104	100	70	130	3.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	2-Hexanone	112	96	70	130	15.4	20
SW8260B	680-198812-1	5/14/21	680-668573	W	4-Chlorotoluene	105	101	70	130	3.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	4-Methyl-2-Pentanone (MIBK)	112	98	68	108	13.3	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Acetone	117	100	67	113	15.7	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Acrylonitrile	123	106	70	130	14.8	30
SW8260B	680-198812-1	5/14/21	680-668573	W	Benzene	111	107	70	130	3.7	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Bromobenzene	117	109	70	130	7.1	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Bromochloromethane	108	97	70	130	10.7	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Bromodichloromethane	116	104	70	130	10.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Bromoform	109	96	69	129	12.7	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Bromomethane	125	121	28	192	3.3	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Carbon Disulfide	96	101	70	130	5	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Carbon Tetrachloride	89	92	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Chlorobenzene	110	105	70	130	5	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Chloroethane	112	110	31	213	1.8	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Chloroform	103	96	70	130	7.0	30
SW8260B	680-198812-1	5/14/21	680-668573	W	Chloromethane	106	102	59	127	3.8	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Cis-1,2-Dichloroethene	101	95	70	130	6	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Cis-1,3-Dichloropropene	112	102	70	130	9.3	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Dibromochloromethane	112	99	70	130	12.3	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Dibromomethane	109	96	70	130	12.7	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Dichlorodifluoromethane	122	132	70	130	7.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Ethylbenzene	99	98	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Hexachlorobutadiene	87	91	70	130	4.5	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668573	W	Iodomethane	94	92	52	129	2	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Isopropyl Benzene (Cumene)	98	98	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	m,p-Xylene	100	99	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Methylene Chloride	106	97	70	130	8.9	30
SW8260B	680-198812-1	5/14/21	680-668573	W	Mtbe	119	105	70	130	12.5	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Naphthalene	86	84	57	149	2.4	20
SW8260B	680-198812-1	5/14/21	680-668573	W	N-Butylbenzene	91	96	70	130	5.3	20
SW8260B	680-198812-1	5/14/21	680-668573	W	N-Propylbenzene	101	101	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	O-Xylene	103	99	70	130	4.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	P-Isopropyltoluene (Cymene)	93	96	70	130	3.2	30
SW8260B	680-198812-1	5/14/21	680-668573	W	Sec-Butylbenzene	100	101	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Styrene	108	103	70	130	4.7	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Tert-Butylbenzene	99	99	70	130	0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Tetrachloroethylene	95	97	70	130	2.1	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Toluene	112	107	70	130	4.6	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Trans-1,2-Dichloroethene	99	97	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Trans-1,3-Dichloropropene	117	103	70	130	12.7	30
SW8260B	680-198812-1	5/14/21	680-668573	W	Trans-1,4-Dichloro-2-Butene	114	102	67	112	11.1	30
SW8260B	680-198812-1	5/14/21	680-668573	W	Trichloroethene	96	92	70	130	4	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Trichlorofluoromethane	100	105	63	142	4.9	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Vinyl Acetate	150	134	67	135	11.3	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Vinyl Chloride	95	100	66	129	5.1	20
SW8260B	680-198812-1	5/14/21	680-668573	W	Xylenes (Total)	102	99	70	130	3.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,1,1,2-Tetrachloroethane	100	98	70	130	2.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,1,1-Trichloroethane	96	96	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,1,2,2-Tetrachloroethane	107	106	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	96	110	63	141	13.6	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,1,2-Trichloroethane	112	110	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,1-Dichloroethane	111	107	70	130	3.7	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,1-Dichloroethene	107	108	70	130	0.9	30
SW8260B	680-198812-1	5/14/21	680-668580	W	1,1-Dichloropropene	106	108	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2,3-Trichlorobenzene	70	65	61	141	7.4	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2,3-Trichloropropane	103	104	70	130	1.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2,4-Trichlorobenzene	82	81	70	130	1.2	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2,4-Trimethylbenzene	110	108	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2-Dibromo-3-Chloropropane	88	88	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2-Dibromoethane	111	107	70	130	3.7	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2-Dichlorobenzene	106	103	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2-Dichloroethane	106	102	70	130	3.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,2-Dichloropropane	113	111	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,3,5-Trimethylbenzene	109	106	70	130	2.8	30
SW8260B	680-198812-1	5/14/21	680-668580	W	1,3-Dichlorobenzene	108	106	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,3-Dichloropropane	112	109	70	130	2.7	20
SW8260B	680-198812-1	5/14/21	680-668580	W	1,4-Dichlorobenzene	110	108	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668580	W	2,2-Dichloropropane	110	108	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	2-Butanone (MEK)	107	105	69	114	1.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	2-Chlorotoluene	111	108	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668580	W	2-Hexanone	115	109	70	130	5.4	20
SW8260B	680-198812-1	5/14/21	680-668580	W	4-Chlorotoluene	112	109	70	130	2.7	20
SW8260B	680-198812-1	5/14/21	680-668580	W	4-Methyl-2-Pentanone (MIBK)	102	97	68	108	5.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Acetone	112	93	67	113	18.5	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Acrylonitrile	102	98	70	130	4.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Benzene	109	107	70	130	2	30
SW8260B	680-198812-1	5/14/21	680-668580	W	Bromobenzene	112	111	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Bromochloromethane	109	105	70	130	3.7	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Bromodichloromethane	106	103	70	130	2.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Bromoform	109	104	69	129	4.7	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Bromomethane	92	79	28	192	15.2	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Carbon Disulfide	113	113	70	130	0	30
SW8260B	680-198812-1	5/14/21	680-668580	W	Carbon Tetrachloride	98	99	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Chlorobenzene	107	106	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Chloroethane	96	86	31	213	11.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Chloroform	108	104	70	130	3.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Chloromethane	110	103	59	127	6.6	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Cis-1,2-Dichloroethene	113	109	70	130	3.6	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Cis-1,3-Dichloropropene	112	110	70	130	1.8	30

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668580	W	Dibromochloromethane	112	111	70	130	0.9	30
SW8260B	680-198812-1	5/14/21	680-668580	W	Dibromomethane	106	105	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Dichlorodifluoromethane	119	120	70	130	0.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Ethylbenzene	105	102	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Hexachlorobutadiene	95	94	70	130	1.1	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Iodomethane	108	106	52	129	1.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Isopropyl Benzene (Cumene)	105	104	70	130	1.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	m,p-Xylene	108	106	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Methylene Chloride	112	107	70	130	5	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Mtbe	108	103	70	130	4.7	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Naphthalene	71	69	57	149	3	20
SW8260B	680-198812-1	5/14/21	680-668580	W	N-Butylbenzene	104	104	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	N-Propylbenzene	106	105	70	130	0.9	30
SW8260B	680-198812-1	5/14/21	680-668580	W	O-Xylene	110	108	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	P-Isopropyltoluene (Cymene)	107	106	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Sec-Butylbenzene	108	107	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Styrene	109	107	70	130	1.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Tert-Butylbenzene	112	112	70	130	0	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Tetrachloroethylene	103	107	70	130	3.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Toluene	112	110	70	130	1.8	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Trans-1,2-Dichloroethene	106	105	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Trans-1,3-Dichloropropene	113	110	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Trans-1,4-Dichloro-2-Butene	120	109	67	112	10	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Trichloroethene	109	107	70	130	2	30
SW8260B	680-198812-1	5/14/21	680-668580	W	Trichlorofluoromethane	98	91	63	142	7	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Vinyl Acetate	111	107	67	135	4	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Vinyl Chloride	104	102	66	129	2	20
SW8260B	680-198812-1	5/14/21	680-668580	W	Xylenes (Total)	109	107	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,1,1,2-Tetrachloroethane	114	106	70	130	7.27	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,1,1-Trichloroethane	98	101	70	130	3.0	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,1,2,2-Tetrachloroethane	111	96	70	130	14	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	85	99	63	141	15	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,1,2-Trichloroethane	110	96	70	130	14	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668588	W	1,1-Dichloroethane	112	111	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,1-Dichloroethene	90	100	70	130	11	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,1-Dichloropropene	95	101	70	130	6	30
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2,3-Trichlorobenzene	135	130	61	141	4	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2,3-Trichloropropane	119	105	70	130	13	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2,4-Trichlorobenzene	118	111	70	130	6	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2,4-Trimethylbenzene	116	114	70	130	1.7	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2-Dibromo-3-Chloropropane	116	104	70	130	11	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2-Dibromoethane	111	96	70	130	14	30
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2-Dichlorobenzene	104	100	70	130	4	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2-Dichloroethane	112	101	70	130	10.3	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,2-Dichloropropane	115	107	70	130	7	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,3,5-Trimethylbenzene	104	104	70	130	0.0	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,3-Dichlorobenzene	107	104	70	130	2.8	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,3-Dichloropropane	113	97	70	130	15	20
SW8260B	680-198812-1	5/14/21	680-668588	W	1,4-Dichlorobenzene	106	102	70	130	4	30
SW8260B	680-198812-1	5/14/21	680-668588	W	2,2-Dichloropropane	100	105	70	130	4.9	30
SW8260B	680-198812-1	5/14/21	680-668588	W	2-Butanone (MEK)	116	98	69	114	17	20
SW8260B	680-198812-1	5/14/21	680-668588	W	2-Chlorotoluene	104	103	70	130	1	20
SW8260B	680-198812-1	5/14/21	680-668588	W	2-Hexanone	123	102	70	130	19	20
SW8260B	680-198812-1	5/14/21	680-668588	W	4-Chlorotoluene	114	110	70	130	3.6	20
SW8260B	680-198812-1	5/14/21	680-668588	W	4-Methyl-2-Pentanone (MIBK)	117	99	68	108	17	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Acetone	121	91	67	113	28.3	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Acrylonitrile	127	104	70	130	19.9	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Benzene	109	107	70	130	2	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Bromobenzene	106	98	70	130	7.84	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Bromochloromethane	112	102	70	130	9	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Bromodichloromethane	113	101	70	130	11.2	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Bromoform	108	95	69	129	13	30
SW8260B	680-198812-1	5/14/21	680-668588	W	Bromomethane	106	103	28	192	3	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Carbon Disulfide	97	106	70	130	8.9	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Carbon Tetrachloride	88	97	70	130	9.73	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Chlorobenzene	110	105	70	130	5	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198812-1	5/14/21	680-668588	W	Chloroethane	110	105	31	213	5	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Chloroform	111	106	70	130	4.6	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Chloromethane	124	127	59	127	2	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Cis-1,2-Dichloroethene	111	106	70	130	4.61	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Cis-1,3-Dichloropropene	115	105	70	130	9.1	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Dibromochloromethane	106	95	70	130	10.95	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Dibromomethane	112	99	70	130	12	30
SW8260B	680-198812-1	5/14/21	680-668588	W	Dichlorodifluoromethane	120	135	70	130	11.8	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Ethylbenzene	110	109	70	130	1	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Hexachlorobutadiene	94	98	70	130	4.17	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Iodomethane	108	113	52	129	5	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Isopropyl Benzene (Cumene)	100	103	70	130	3.0	20
SW8260B	680-198812-1	5/14/21	680-668588	W	m,p-Xylene	110	109	70	130	0.9	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Methylene Chloride	162	149	70	130	8.4	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Mtbe	110	97	70	130	12.56	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Naphthalene	159	150	57	149	6	20
SW8260B	680-198812-1	5/14/21	680-668588	W	N-Butylbenzene	100	105	70	130	4.9	20
SW8260B	680-198812-1	5/14/21	680-668588	W	N-Propylbenzene	106	109	70	130	2.8	20
SW8260B	680-198812-1	5/14/21	680-668588	W	O-Xylene	110	108	70	130	1.8	30
SW8260B	680-198812-1	5/14/21	680-668588	W	P-Isopropyltoluene (Cymene)	99	102	70	130	3.0	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Sec-Butylbenzene	94	99	70	130	5.18	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Styrene	108	103	70	130	4.7	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Tert-Butylbenzene	99	102	70	130	3	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Tetrachloroethylene	109	113	70	130	3.6	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Toluene	111	110	70	130	1	30
SW8260B	680-198812-1	5/14/21	680-668588	W	Trans-1,2-Dichloroethene	102	105	70	130	2.9	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Trans-1,3-Dichloropropene	116	102	70	130	12.8	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Trans-1,4-Dichloro-2-Butene	107	92	67	112	15	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Trichloroethene	100	103	70	130	3.0	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Trichlorofluoromethane	86	83	63	142	3.55	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Vinyl Acetate	123	101	67	135	19.6	20
SW8260B	680-198812-1	5/14/21	680-668588	W	Vinyl Chloride	113	119	66	129	5.17	30
SW8260B	680-198812-1	5/14/21	680-668588	W	Xylenes (Total)	110	108	70	130	2	30

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198823-1	5/16/21	680-668761	W	1,1,1,2-Tetrachloroethane	103	100	70	130	3	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,1,1-Trichloroethane	94	94	70	130	0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,1,2,2-Tetrachloroethane	103	102	70	130	1.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	91	92	63	141	1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,1,2-Trichloroethane	99	97	70	130	2.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,1-Dichloroethane	97	96	70	130	1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,1-Dichloroethene	96	94	70	130	2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,1-Dichloropropene	93	93	70	130	0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2,3-Trichlorobenzene	80	83	61	141	4	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2,3-Trichloropropane	104	102	70	130	1.9	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2,4-Trichlorobenzene	86	87	70	130	1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2,4-Trimethylbenzene	99	97	70	130	2.04	30
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2-Dibromo-3-Chloropropane	91	93	70	130	2.2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2-Dibromoethane	111	108	70	130	3	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2-Dichlorobenzene	100	101	70	130	1.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2-Dichloroethane	101	98	70	130	3	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,2-Dichloropropane	102	104	70	130	2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,3,5-Trimethylbenzene	99	97	70	130	2.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,3-Dichlorobenzene	105	105	70	130	0.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,3-Dichloropropane	106	104	70	130	1.9	20
SW8260B	680-198823-1	5/16/21	680-668761	W	1,4-Dichlorobenzene	101	101	70	130	0.00	20
SW8260B	680-198823-1	5/16/21	680-668761	W	2,2-Dichloropropane	106	104	70	130	1.90	20
SW8260B	680-198823-1	5/16/21	680-668761	W	2-Butanone (MEK)	105	102	69	114	2.9	30
SW8260B	680-198823-1	5/16/21	680-668761	W	2-Chlorotoluene	99	98	70	130	1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	2-Hexanone	93	91	70	130	2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	4-Chlorotoluene	100	98	70	130	2.02	20
SW8260B	680-198823-1	5/16/21	680-668761	W	4-Methyl-2-Pentanone (MIBK)	96	94	68	108	2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Acetone	102	98	67	113	4	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Acrylonitrile	105	103	70	130	1.9	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Benzene	106	104	70	130	1.9	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Bromobenzene	108	106	70	130	1.87	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Bromochloromethane	100	99	70	130	1.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Bromodichloromethane	106	104	70	130	1.9	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198823-1	5/16/21	680-668761	W	Bromoform	103	98	69	129	5	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Bromomethane	129	130	28	192	0.8	30
SW8260B	680-198823-1	5/16/21	680-668761	W	Carbon Disulfide	103	103	70	130	0.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Carbon Tetrachloride	93	95	70	130	2.1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Chlorobenzene	106	104	70	130	1.9	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Chloroethane	157	162	31	213	3.1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Chloroform	95	94	70	130	1.1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Chloromethane	105	102	59	127	2.9	30
SW8260B	680-198823-1	5/16/21	680-668761	W	Cis-1,2-Dichloroethene	95	94	70	130	1.1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Cis-1,3-Dichloropropene	103	101	70	130	1.96	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Dibromochloromethane	102	100	70	130	2.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Dibromomethane	97	95	70	130	2.1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Dichlorodifluoromethane	129	127	70	130	2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Ethylbenzene	99	99	70	130	0.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Hexachlorobutadiene	85	87	70	130	2.3	30
SW8260B	680-198823-1	5/16/21	680-668761	W	Iodomethane	92	90	52	129	2.2	30
SW8260B	680-198823-1	5/16/21	680-668761	W	Isopropyl Benzene (Cumene)	98	98	70	130	0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	m,p-Xylene	99	98	70	130	1.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Methylene Chloride	98	96	70	130	2.1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Mtbe	103	102	70	130	1.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Naphthalene	88	90	57	149	2.2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	N-Butylbenzene	94	96	70	130	2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	N-Propylbenzene	101	100	70	130	1.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	O-Xylene	97	96	70	130	1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	P-Isopropyltoluene (Cymene)	94	95	70	130	1.1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Sec-Butylbenzene	99	99	70	130	0.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Styrene	105	104	70	130	1.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Tert-Butylbenzene	98	97	70	130	1	30
SW8260B	680-198823-1	5/16/21	680-668761	W	Tetrachloroethylene	96	95	70	130	1	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Toluene	108	108	70	130	0.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Trans-1,2-Dichloroethene	96	96	70	130	0.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Trans-1,3-Dichloropropene	104	102	70	130	1.9	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Trans-1,4-Dichloro-2-Butene	106	99	67	112	7	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198823-1	5/16/21	680-668761	W	Trichloroethene	94	91	70	130	3.2	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Trichlorofluoromethane	118	116	63	142	1.7	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Vinyl Acetate	136	136	67	135	0.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Vinyl Chloride	98	98	66	129	0.0	20
SW8260B	680-198823-1	5/16/21	680-668761	W	Xylenes (Total)	98	97	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,1,1,2-Tetrachloroethane	115	110	70	130	4.44	30
SW8260B	680-198823-1	5/17/21	680-668824	W	1,1,1-Trichloroethane	102	100	70	130	2.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,1,2,2-Tetrachloroethane	112	110	70	130	2	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	98	97	63	141	1.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,1,2-Trichloroethane	104	101	70	130	2.9	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,1-Dichloroethane	98	96	70	130	2	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,1-Dichloroethene	101	101	70	130	0.00	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,1-Dichloropropene	99	97	70	130	2	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2,3-Trichlorobenzene	98	100	61	141	2.02	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2,3-Trichloropropane	116	111	70	130	4	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2,4-Trichlorobenzene	92	94	70	130	2.2	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2,4-Trimethylbenzene	110	106	70	130	3.70	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2-Dibromo-3-Chloropropane	107	108	70	130	1	30
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2-Dibromoethane	99	96	70	130	3.08	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2-Dichlorobenzene	102	102	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2-Dichloroethane	93	91	70	130	2	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,2-Dichloropropane	93	93	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,3,5-Trimethylbenzene	114	111	70	130	3	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,3-Dichlorobenzene	103	101	70	130	2.0	30
SW8260B	680-198823-1	5/17/21	680-668824	W	1,3-Dichloropropane	99	98	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	1,4-Dichlorobenzene	100	98	70	130	2.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	2,2-Dichloropropane	104	103	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668824	W	2-Butanone (MEK)	89	89	69	114	0.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	2-Chlorotoluene	116	111	70	130	4.4	20
SW8260B	680-198823-1	5/17/21	680-668824	W	2-Hexanone	93	96	70	130	3.17	20
SW8260B	680-198823-1	5/17/21	680-668824	W	4-Chlorotoluene	120	117	70	130	2.5	30
SW8260B	680-198823-1	5/17/21	680-668824	W	4-Methyl-2-Pentanone (MIBK)	92	94	68	108	2	30
SW8260B	680-198823-1	5/17/21	680-668824	W	Acetone	97	100	67	113	3.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198823-1	5/17/21	680-668824	W	Acrylonitrile	94	94	70	130	0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Benzene	101	99	70	130	2.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Bromobenzene	116	111	70	130	4.4	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Bromochloromethane	91	89	70	130	2	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Bromodichloromethane	99	98	70	130	1.02	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Bromoform	127	123	69	129	3	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Bromomethane	129	127	28	192	2	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Carbon Disulfide	100	99	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Carbon Tetrachloride	107	105	70	130	1.9	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Chlorobenzene	105	101	70	130	3.88	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Chloroethane	103	103	31	213	0.0	30
SW8260B	680-198823-1	5/17/21	680-668824	W	Chloroform	98	96	70	130	2.1	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Chloromethane	100	91	59	127	9	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Cis-1,2-Dichloroethene	104	102	70	130	1.9	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Cis-1,3-Dichloropropene	100	100	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Dibromochloromethane	108	107	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Dibromomethane	100	99	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Dichlorodifluoromethane	99	98	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Ethylbenzene	107	104	70	130	3	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Hexachlorobutadiene	103	100	70	130	3.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Iodomethane	96	99	52	129	3.1	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Isopropyl Benzene (Cumene)	112	108	70	130	4	30
SW8260B	680-198823-1	5/17/21	680-668824	W	m,p-Xylene	111	107	70	130	4	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Methylene Chloride	98	98	70	130	0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Mtbe	101	103	70	130	1.96	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Naphthalene	97	100	57	149	3	20
SW8260B	680-198823-1	5/17/21	680-668824	W	N-Butylbenzene	103	104	70	130	0.97	20
SW8260B	680-198823-1	5/17/21	680-668824	W	N-Propylbenzene	118	114	70	130	3.4	20
SW8260B	680-198823-1	5/17/21	680-668824	W	O-Xylene	111	106	70	130	4.6	20
SW8260B	680-198823-1	5/17/21	680-668824	W	P-Isopropyltoluene (Cymene)	101	101	70	130	0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Sec-Butylbenzene	113	108	70	130	4.52	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Styrene	117	112	70	130	4	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Tert-Butylbenzene	113	108	70	130	5	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198823-1	5/17/21	680-668824	W	Tetrachloroethylene	101	98	70	130	3.0	30
SW8260B	680-198823-1	5/17/21	680-668824	W	Toluene	98	95	70	130	3	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Trans-1,2-Dichloroethene	102	100	70	130	1.98	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Trans-1,3-Dichloropropene	102	102	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Trans-1,4-Dichloro-2-Butene	109	111	67	112	1.8	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Trichloroethene	108	102	70	130	5.7	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Trichlorofluoromethane	98	96	63	142	2.1	30
SW8260B	680-198823-1	5/17/21	680-668824	W	Vinyl Acetate	105	107	67	135	2	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Vinyl Chloride	95	93	66	129	2.1	20
SW8260B	680-198823-1	5/17/21	680-668824	W	Xylenes (Total)	111	106	70	130	5	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,1,1,2-Tetrachloroethane	104	105	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,1,1-Trichloroethane	102	104	70	130	1.9	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,1,2,2-Tetrachloroethane	88	87	70	130	1.14	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	100	100	63	141	0.00	30
SW8260B	680-198823-1	5/17/21	680-668832	W	1,1,2-Trichloroethane	96	95	70	130	1.0	30
SW8260B	680-198823-1	5/17/21	680-668832	W	1,1-Dichloroethane	99	102	70	130	3.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,1-Dichloroethene	96	100	70	130	4	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,1-Dichloropropene	103	105	70	130	1.9	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2,3-Trichlorobenzene	100	106	61	141	5.8	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2,3-Trichloropropane	102	100	70	130	2.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2,4-Trichlorobenzene	102	104	70	130	1.9	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2,4-Trimethylbenzene	104	105	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2-Dibromo-3-Chloropropane	97	93	70	130	4	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2-Dibromoethane	98	99	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2-Dichlorobenzene	100	100	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2-Dichloroethane	106	104	70	130	1.90	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,2-Dichloropropane	100	103	70	130	3.0	30
SW8260B	680-198823-1	5/17/21	680-668832	W	1,3,5-Trimethylbenzene	105	107	70	130	2	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,3-Dichlorobenzene	99	101	70	130	2.00	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,3-Dichloropropane	101	101	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	1,4-Dichlorobenzene	97	99	70	130	2.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	2,2-Dichloropropane	102	104	70	130	2	20
SW8260B	680-198823-1	5/17/21	680-668832	W	2-Butanone (MEK)	94	91	69	114	3.2	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198823-1	5/17/21	680-668832	W	2-Chlorotoluene	100	101	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	2-Hexanone	97	94	70	130	3.1	20
SW8260B	680-198823-1	5/17/21	680-668832	W	4-Chlorotoluene	104	105	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	4-Methyl-2-Pentanone (MIBK)	95	90	68	108	5.4	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Acetone	92	89	67	113	3	30
SW8260B	680-198823-1	5/17/21	680-668832	W	Acrylonitrile	99	101	70	130	2.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Benzene	97	97	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Bromobenzene	108	105	70	130	2.82	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Bromochloromethane	98	102	70	130	4.00	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Bromodichloromethane	103	104	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Bromoform	110	109	69	129	0.9	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Bromomethane	110	134	28	192	19.7	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Carbon Disulfide	104	111	70	130	6.5	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Carbon Tetrachloride	106	108	70	130	1.9	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Chlorobenzene	101	99	70	130	2.00	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Chloroethane	118	146	31	213	21	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Chloroform	97	101	70	130	4.0	30
SW8260B	680-198823-1	5/17/21	680-668832	W	Chloromethane	97	107	59	127	10	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Cis-1,2-Dichloroethene	111	101	70	130	9.43	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Cis-1,3-Dichloropropene	102	103	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Dibromochloromethane	104	103	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Dibromomethane	101	101	70	130	0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Dichlorodifluoromethane	107	116	70	130	8.07	30
SW8260B	680-198823-1	5/17/21	680-668832	W	Ethylbenzene	102	101	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Hexachlorobutadiene	105	112	70	130	6	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Iodomethane	99	109	52	129	9.6	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Isopropyl Benzene (Cumene)	102	102	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	m,p-Xylene	103	103	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Methylene Chloride	100	108	70	130	7.7	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Mtbe	99	95	70	130	4.1	30
SW8260B	680-198823-1	5/17/21	680-668832	W	Naphthalene	97	101	57	149	4.0	30
SW8260B	680-198823-1	5/17/21	680-668832	W	N-Butylbenzene	99	100	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668832	W	N-Propylbenzene	103	103	70	130	0.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198823-1	5/17/21	680-668832	W	O-Xylene	104	104	70	130	0.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	P-Isopropyltoluene (Cymene)	99	100	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Sec-Butylbenzene	104	107	70	130	2.8	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Styrene	105	105	70	130	0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Tert-Butylbenzene	103	105	70	130	1.9	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Tetrachloroethylene	104	105	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Toluene	100	99	70	130	1.0	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Trans-1,2-Dichloroethene	98	99	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Trans-1,3-Dichloropropene	108	107	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Trans-1,4-Dichloro-2-Butene	104	104	67	112	0	30
SW8260B	680-198823-1	5/17/21	680-668832	W	Trichloroethene	103	104	70	130	1	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Trichlorofluoromethane	112	131	63	142	15.6	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Vinyl Acetate	92	86	67	135	6.7	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Vinyl Chloride	98	104	66	129	5.94	20
SW8260B	680-198823-1	5/17/21	680-668832	W	Xylenes (Total)	104	103	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,1,1,2-Tetrachloroethane	100	101	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,1,1-Trichloroethane	95	96	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,1,2,2-Tetrachloroethane	104	103	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	94	96	63	141	2.1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,1,2-Trichloroethane	96	97	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,1-Dichloroethane	94	97	70	130	3.14	30
SW8260B	680-198824-1	5/17/21	680-668851	W	1,1-Dichloroethene	95	96	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,1-Dichloropropene	94	96	70	130	2	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2,3-Trichlorobenzene	83	89	61	141	7.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2,3-Trichloropropane	102	102	70	130	0.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2,4-Trichlorobenzene	88	90	70	130	2.25	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2,4-Trimethylbenzene	98	99	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2-Dibromo-3-Chloropropane	92	95	70	130	3	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2-Dibromoethane	107	106	70	130	0.9	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2-Dichlorobenzene	101	101	70	130	0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2-Dichloroethane	98	98	70	130	0.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,2-Dichloropropane	102	102	70	130	0.00	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,3,5-Trimethylbenzene	98	100	70	130	2	30

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198824-1	5/17/21	680-668851	W	1,3-Dichlorobenzene	104	107	70	130	2.84	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,3-Dichloropropane	102	104	70	130	1.94	20
SW8260B	680-198824-1	5/17/21	680-668851	W	1,4-Dichlorobenzene	101	100	70	130	1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	2,2-Dichloropropane	105	109	70	130	4	20
SW8260B	680-198824-1	5/17/21	680-668851	W	2-Butanone (MEK)	105	102	69	114	3	20
SW8260B	680-198824-1	5/17/21	680-668851	W	2-Chlorotoluene	98	100	70	130	2.0	30
SW8260B	680-198824-1	5/17/21	680-668851	W	2-Hexanone	92	93	70	130	1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	4-Chlorotoluene	98	100	70	130	2.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	4-Methyl-2-Pentanone (MIBK)	95	95	68	108	0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Acetone	100	99	67	113	1.01	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Acrylonitrile	101	102	70	130	0.99	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Benzene	104	104	70	130	0.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Bromobenzene	104	108	70	130	3.77	30
SW8260B	680-198824-1	5/17/21	680-668851	W	Bromochloromethane	95	96	70	130	1.0	30
SW8260B	680-198824-1	5/17/21	680-668851	W	Bromodichloromethane	102	103	70	130	1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Bromoform	101	100	69	129	1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Bromomethane	133	133	28	192	0.00	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Carbon Disulfide	102	105	70	130	2.9	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Carbon Tetrachloride	94	95	70	130	1.1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Chlorobenzene	104	105	70	130	1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Chloroethane	162	162	31	213	0.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Chloroform	92	93	70	130	1.1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Chloromethane	111	114	59	127	2.7	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Cis-1,2-Dichloroethene	93	93	70	130	0.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Cis-1,3-Dichloropropene	100	101	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Dibromochloromethane	98	100	70	130	2	30
SW8260B	680-198824-1	5/17/21	680-668851	W	Dibromomethane	94	93	70	130	1.1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Dichlorodifluoromethane	128	131	70	130	2.3	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Ethylbenzene	99	101	70	130	2.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Hexachlorobutadiene	88	91	70	130	3.4	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Iodomethane	84	90	52	129	6.9	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Isopropyl Benzene (Cumene)	99	100	70	130	1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	m,p-Xylene	98	100	70	130	2.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198824-1	5/17/21	680-668851	W	Methylene Chloride	95	94	70	130	1.06	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Mtbe	100	100	70	130	0.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Naphthalene	92	96	57	149	4.3	20
SW8260B	680-198824-1	5/17/21	680-668851	W	N-Butylbenzene	98	99	70	130	1.0	30
SW8260B	680-198824-1	5/17/21	680-668851	W	N-Propylbenzene	100	102	70	130	2.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	O-Xylene	97	98	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	P-Isopropyltoluene (Cymene)	96	97	70	130	1.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Sec-Butylbenzene	99	102	70	130	3	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Styrene	103	105	70	130	1.92	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Tert-Butylbenzene	98	100	70	130	2	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Tetrachloroethylene	95	97	70	130	2.1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Toluene	105	108	70	130	2.82	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Trans-1,2-Dichloroethene	95	98	70	130	3.11	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Trans-1,3-Dichloropropene	101	101	70	130	0.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Trans-1,4-Dichloro-2-Butene	105	103	67	112	2	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Trichloroethene	90	91	70	130	1	30
SW8260B	680-198824-1	5/17/21	680-668851	W	Trichlorofluoromethane	116	127	63	142	9.1	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Vinyl Acetate	138	138	67	135	0.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Vinyl Chloride	98	100	66	129	2.0	20
SW8260B	680-198824-1	5/17/21	680-668851	W	Xylenes (Total)	98	99	70	130	1.02	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,1,1,2-Tetrachloroethane	100	100	70	130	0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,1,1-Trichloroethane	95	95	70	130	0.0	30
SW8260B	680-198824-1	5/18/21	680-668992	W	1,1,2,2-Tetrachloroethane	104	104	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	95	94	63	141	1.1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,1,2-Trichloroethane	98	97	70	130	1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,1-Dichloroethane	96	97	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,1-Dichloroethene	97	96	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,1-Dichloropropene	94	94	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2,3-Trichlorobenzene	86	92	61	141	6.74	30
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2,3-Trichloropropane	105	105	70	130	0	30
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2,4-Trichlorobenzene	89	93	70	130	4.40	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2,4-Trimethylbenzene	98	98	70	130	0.00	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2-Dibromo-3-Chloropropane	94	92	70	130	2	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2-Dibromoethane	108	107	70	130	0.9	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2-Dichlorobenzene	100	101	70	130	1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2-Dichloroethane	100	100	70	130	0.00	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,2-Dichloropropane	103	100	70	130	2.96	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,3,5-Trimethylbenzene	98	99	70	130	1.02	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,3-Dichlorobenzene	103	103	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,3-Dichloropropane	105	103	70	130	2	20
SW8260B	680-198824-1	5/18/21	680-668992	W	1,4-Dichlorobenzene	99	101	70	130	2	20
SW8260B	680-198824-1	5/18/21	680-668992	W	2,2-Dichloropropane	107	106	70	130	0.9	30
SW8260B	680-198824-1	5/18/21	680-668992	W	2-Butanone (MEK)	107	106	69	114	0.94	20
SW8260B	680-198824-1	5/18/21	680-668992	W	2-Chlorotoluene	98	98	70	130	0.00	20
SW8260B	680-198824-1	5/18/21	680-668992	W	2-Hexanone	95	94	70	130	1.06	20
SW8260B	680-198824-1	5/18/21	680-668992	W	4-Chlorotoluene	99	98	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	4-Methyl-2-Pentanone (MIBK)	98	95	68	108	3	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Acetone	108	103	67	113	5	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Acrylonitrile	106	102	70	130	4	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Benzene	105	104	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Bromobenzene	107	107	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Bromochloromethane	97	97	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Bromodichloromethane	103	103	70	130	0.00	30
SW8260B	680-198824-1	5/18/21	680-668992	W	Bromoform	100	100	69	129	0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Bromomethane	126	128	28	192	2	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Carbon Disulfide	103	102	70	130	1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Carbon Tetrachloride	95	94	70	130	1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Chlorobenzene	104	104	70	130	0.00	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Chloroethane	164	159	31	213	3.1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Chloroform	95	94	70	130	1.1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Chloromethane	109	117	59	127	7.1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Cis-1,2-Dichloroethene	94	93	70	130	1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Cis-1,3-Dichloropropene	101	100	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Dibromochloromethane	99	98	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Dibromomethane	97	93	70	130	4	30
SW8260B	680-198824-1	5/18/21	680-668992	W	Dichlorodifluoromethane	130	129	70	130	1	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198824-1	5/18/21	680-668992	W	Ethylbenzene	99	100	70	130	1.01	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Hexachlorobutadiene	88	88	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Iodomethane	82	81	52	129	1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Isopropyl Benzene (Cumene)	99	99	70	130	0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	m,p-Xylene	98	98	70	130	0	30
SW8260B	680-198824-1	5/18/21	680-668992	W	Methylene Chloride	96	94	70	130	2.1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Mtbe	104	103	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Naphthalene	94	99	57	149	5	20
SW8260B	680-198824-1	5/18/21	680-668992	W	N-Butylbenzene	95	96	70	130	1.05	20
SW8260B	680-198824-1	5/18/21	680-668992	W	N-Propylbenzene	100	100	70	130	0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	O-Xylene	97	98	70	130	1.03	20
SW8260B	680-198824-1	5/18/21	680-668992	W	P-Isopropyltoluene (Cymene)	94	94	70	130	0.00	30
SW8260B	680-198824-1	5/18/21	680-668992	W	Sec-Butylbenzene	100	99	70	130	1.0	30
SW8260B	680-198824-1	5/18/21	680-668992	W	Styrene	104	105	70	130	0.96	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Tert-Butylbenzene	99	98	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Tetrachloroethylene	96	94	70	130	2	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Toluene	107	109	70	130	2	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Trans-1,2-Dichloroethene	95	97	70	130	2.08	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Trans-1,3-Dichloropropene	102	101	70	130	0.99	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Trans-1,4-Dichloro-2-Butene	98	97	67	112	1.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Trichloroethene	93	92	70	130	1.1	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Trichlorofluoromethane	120	117	63	142	2.5	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Vinyl Acetate	140	138	67	135	1.4	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Vinyl Chloride	98	98	66	129	0.0	20
SW8260B	680-198824-1	5/18/21	680-668992	W	Xylenes (Total)	98	98	70	130	0.0	30
SW8260B	680-198824-1	5/18/21	680-669004	W	1,1,1,2-Tetrachloroethane	98	102	70	130	4.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,1,1-Trichloroethane	96	101	70	130	5.1	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,1,2,2-Tetrachloroethane	101	101	70	130	0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	106	113	63	141	6.4	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,1,2-Trichloroethane	106	103	70	130	3	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,1-Dichloroethane	111	108	70	130	2.74	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,1-Dichloroethene	112	118	70	130	5.2	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,1-Dichloropropene	108	104	70	130	3.8	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2,3-Trichlorobenzene	68	66	61	141	3.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2,3-Trichloropropane	95	98	70	130	3.1	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2,4-Trichlorobenzene	79	76	70	130	3.9	30
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2,4-Trimethylbenzene	104	107	70	130	2.8	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2-Dibromo-3-Chloropropane	87	84	70	130	4	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2-Dibromoethane	106	108	70	130	1.9	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2-Dichlorobenzene	101	99	70	130	2.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2-Dichloroethane	99	94	70	130	5	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,2-Dichloropropane	109	110	70	130	0.91	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,3,5-Trimethylbenzene	103	106	70	130	2.9	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,3-Dichlorobenzene	107	106	70	130	0.9	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,3-Dichloropropane	108	109	70	130	0.92	20
SW8260B	680-198824-1	5/18/21	680-669004	W	1,4-Dichlorobenzene	107	105	70	130	1.9	20
SW8260B	680-198824-1	5/18/21	680-669004	W	2,2-Dichloropropane	108	107	70	130	0.9	20
SW8260B	680-198824-1	5/18/21	680-669004	W	2-Butanone (MEK)	104	104	69	114	0	30
SW8260B	680-198824-1	5/18/21	680-669004	W	2-Chlorotoluene	105	108	70	130	3	20
SW8260B	680-198824-1	5/18/21	680-669004	W	2-Hexanone	110	112	70	130	2	20
SW8260B	680-198824-1	5/18/21	680-669004	W	4-Chlorotoluene	106	107	70	130	0.9	20
SW8260B	680-198824-1	5/18/21	680-669004	W	4-Methyl-2-Pentanone (MIBK)	99	101	68	108	2	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Acetone	118	118	67	113	0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Acrylonitrile	102	104	70	130	1.94	30
SW8260B	680-198824-1	5/18/21	680-669004	W	Benzene	106	106	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Bromobenzene	108	108	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Bromochloromethane	108	106	70	130	1.9	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Bromodichloromethane	100	101	70	130	1	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Bromoform	102	101	69	129	1	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Bromomethane	113	125	28	192	10.1	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Carbon Disulfide	120	126	70	130	4.9	30
SW8260B	680-198824-1	5/18/21	680-669004	W	Carbon Tetrachloride	100	101	70	130	1.0	30
SW8260B	680-198824-1	5/18/21	680-669004	W	Chlorobenzene	105	105	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Chloroethane	126	137	31	213	8.4	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Chloroform	103	101	70	130	2.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Chloromethane	135	150	59	127	11	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW8260B	680-198824-1	5/18/21	680-669004	W	Cis-1,2-Dichloroethene	111	109	70	130	1.8	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Cis-1,3-Dichloropropene	107	107	70	130	0	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Dibromochloromethane	106	109	70	130	3	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Dibromomethane	101	101	70	130	0	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Dichlorodifluoromethane	111	126	70	130	12.7	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Ethylbenzene	102	103	70	130	1.0	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Hexachlorobutadiene	90	86	70	130	4.5	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Iodomethane	108	118	52	129	9	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Isopropyl Benzene (Cumene)	105	108	70	130	2.8	20
SW8260B	680-198824-1	5/18/21	680-669004	W	m,p-Xylene	104	105	70	130	1.0	30
SW8260B	680-198824-1	5/18/21	680-669004	W	Methylene Chloride	111	115	70	130	3.5	30
SW8260B	680-198824-1	5/18/21	680-669004	W	Mtbe	109	111	70	130	1.8	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Naphthalene	71	68	57	149	4.3	20
SW8260B	680-198824-1	5/18/21	680-669004	W	N-Butylbenzene	103	102	70	130	1.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	N-Propylbenzene	104	107	70	130	3	20
SW8260B	680-198824-1	5/18/21	680-669004	W	O-Xylene	107	110	70	130	2.8	20
SW8260B	680-198824-1	5/18/21	680-669004	W	P-Isopropyltoluene (Cymene)	104	104	70	130	0	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Sec-Butylbenzene	105	107	70	130	2	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Styrene	108	109	70	130	1	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Tert-Butylbenzene	108	111	70	130	2.7	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Tetrachloroethylene	105	106	70	130	0.9	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Toluene	109	107	70	130	1.9	25
SW8260B	680-198824-1	5/18/21	680-669004	W	Trans-1,2-Dichloroethene	109	106	70	130	3	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Trans-1,3-Dichloropropene	105	105	70	130	0.0	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Trans-1,4-Dichloro-2-Butene	99	94	67	112	5.2	30
SW8260B	680-198824-1	5/18/21	680-669004	W	Trichloroethene	106	105	70	130	0.9	30
SW8260B	680-198824-1	5/18/21	680-669004	W	Trichlorofluoromethane	110	116	63	142	5.3	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Vinyl Acetate	114	103	67	135	10.1	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Vinyl Chloride	108	120	66	129	10.5	20
SW8260B	680-198824-1	5/18/21	680-669004	W	Xylenes (Total)	105	108	70	130	3	20
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	97	98	80	120	1.0	20
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	97	99	80	120	2	25
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	97	101	80	120	4	25

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	98	98	80	120	0	25
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	98	99	80	120	1.0	25
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	98	101	80	120	3.0	25
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	99	98	80	120	1.0	25
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	99	99	80	120	0.0	30
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	99	101	80	120	2.0	30
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	101	98	80	120	3.0	20
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	101	99	80	120	2.0	20
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon	101	101	80	120	0.0	20
SW9060	680-191468-1	11/20/20	680-644954	W	Total Organic Carbon (Quad)	99	99	80	120	0	20
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	97	98	80	120	1.0	20
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	97	99	80	120	2	25
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	97	101	80	120	4	25
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	98	98	80	120	0	25
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	98	99	80	120	1.0	25
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	98	101	80	120	3.0	25
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	99	98	80	120	1.0	25
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	99	99	80	120	0.0	30
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	99	101	80	120	2.0	30
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	101	98	80	120	3.0	20
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	101	99	80	120	2.0	20
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon	101	101	80	120	0.0	20
SW9060A	680-191488-1	11/20/20	680-644954	W	Total Organic Carbon (Quad)	99	99	80	120	0	20
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	97	97	80	120	0.0	20
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	97	98	80	120	1	25
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	97	99	80	120	2	25
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	98	97	80	120	1	25
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	98	98	80	120	0.0	25
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	98	99	80	120	1.0	25
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	99	97	80	120	2.0	25
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	99	98	80	120	1.0	30
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon	99	99	80	120	0.0	30
SW9060A	680-191488-1	11/20/20	680-645107	W	Total Organic Carbon (Quad)	98	98	80	120	0.0	20

**Table 4-7: Summary of LCS/LCSD Recoveries and RPDs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)**

Method	Delivery Group	Analysis Date	Analytical Batch	Matrix	Parameter Name	LCS %R	LCSD %R	LCL	UCL	RPD	RPD Limit
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	97	97	80	120	0.0	20
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	97	98	80	120	1.0	20
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	97	101	80	120	4	20
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	98	97	80	120	1.0	20
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	98	98	80	120	0	25
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	98	101	80	120	3	25
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	99	97	80	120	2	25
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	99	98	80	120	1.0	25
SW9060A	680-191752-1	11/23/20	680-645623	W	Total Organic Carbon	99	101	80	120	2.0	25
SW9060A	680-198812-1	5/18/21	680-669134	W	Total Organic Carbon	95	95	80	120	0	25
SW9060A	680-198812-1	5/18/21	680-669134	W	Total Organic Carbon	95	96	80	120	1	25
SW9060A	680-198812-1	5/18/21	680-669134	W	Total Organic Carbon	95	97	80	120	2	25
SW9060A	680-198812-1	5/18/21	680-669134	W	Total Organic Carbon	96	95	80	120	1.0	25
SW9060A	680-198812-1	5/18/21	680-669134	W	Total Organic Carbon	96	96	80	120	0.0	25
SW9060A	680-198812-1	5/18/21	680-669134	W	Total Organic Carbon	96	97	80	120	1.0	25
SW9060A	680-198823-1	5/17/21	680-669133	W	Total Organic Carbon	96	96	80	120	0.0	30
SW9060A	680-198823-1	5/17/21	680-669133	W	Total Organic Carbon	96	97	80	120	1.0	30
SW9060A	680-198823-1	5/17/21	680-669133	W	Total Organic Carbon	97	96	80	120	1.0	20
SW9060A	680-198823-1	5/17/21	680-669133	W	Total Organic Carbon	97	97	80	120	0.0	20
SW9060A	680-198824-1	5/17/21	680-669133	W	Total Organic Carbon	96	96	80	120	0.0	20
SW9060A	680-198824-1	5/17/21	680-669133	W	Total Organic Carbon	96	97	80	120	1	20
SW9060A	680-198824-1	5/17/21	680-669133	W	Total Organic Carbon	97	96	80	120	1.0	20
SW9060A	680-198824-1	5/17/21	680-669133	W	Total Organic Carbon	97	97	80	120	0	25

Notes:

LCL = Lower control limit

LCS = Laboratory Control Standard

LCSD = Laboratory Control Standard Duplicate

%R = Percent Recovery

RPD = Relative percent Difference

UCL = Upper control limit

Blue text, bold and outlined = Greater than acceptance limits

Bold and shaded = Less than acceptance limits

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-191752-1	OLF-G07	11/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	78	60	124
680-191752-1	OLF-G07	11/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-191752-1	OLF-G07	11/18/20	WG	NS	SW8260B	Dibromofluoromethane	96	70	130
680-191752-1	OLF-G07	11/18/20	WG	NS	SW8260B	Toluene-D8	107	70	130
680-198824-1	OLF-G07	5/12/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-198824-1	OLF-G07	5/12/21	WG	NS	SW8260B	4-Bromofluorobenzene	95	70	130
680-198824-1	OLF-G07	5/12/21	WG	NS	SW8260B	Dibromofluoromethane	96	70	130
680-198824-1	OLF-G07	5/12/21	WG	NS	SW8260B	Toluene-D8	97	70	130
680-191752-1	OLF-G12	11/16/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	60	124
680-191752-1	OLF-G12	11/16/20	WG	NS	SW8260B	4-Bromofluorobenzene	97	70	130
680-191752-1	OLF-G12	11/16/20	WG	NS	SW8260B	Dibromofluoromethane	91	70	130
680-191752-1	OLF-G12	11/16/20	WG	NS	SW8260B	Toluene-D8	90	70	130
680-198823-1	OLF-G12	5/6/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	88	60	124
680-198823-1	OLF-G12	5/6/21	WG	NS	SW8260B	4-Bromofluorobenzene	95	70	130
680-198823-1	OLF-G12	5/6/21	WG	NS	SW8260B	Dibromofluoromethane	95	70	130
680-198823-1	OLF-G12	5/6/21	WG	NS	SW8260B	Toluene-D8	97	70	130
680-198823-1	OLF-G16	5/12/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-198823-1	OLF-G16	5/12/21	WG	NS	SW8260B	4-Bromofluorobenzene	97	70	130
680-198823-1	OLF-G16	5/12/21	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-198823-1	OLF-G16	5/12/21	WG	NS	SW8260B	Toluene-D8	100	70	130
680-191752-1	OLF-G18	11/16/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-191752-1	OLF-G18	11/16/20	WG	NS	SW8260B	4-Bromofluorobenzene	108	70	130
680-191752-1	OLF-G18	11/16/20	WG	NS	SW8260B	Dibromofluoromethane	107	70	130
680-191752-1	OLF-G18	11/16/20	WG	NS	SW8260B	Toluene-D8	101	70	130
680-198812-1	OLF-G18	5/6/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	60	124
680-198812-1	OLF-G18	5/6/21	WG	NS	SW8260B	4-Bromofluorobenzene	94	70	130
680-198812-1	OLF-G18	5/6/21	WG	NS	SW8260B	Dibromofluoromethane	96	70	130
680-198812-1	OLF-G18	5/6/21	WG	NS	SW8260B	Toluene-D8	96	70	130
680-191752-1	OLF-G19	11/16/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	112	60	124
680-191752-1	OLF-G19	11/16/20	WG	NS	SW8260B	4-Bromofluorobenzene	119	70	130
680-191752-1	OLF-G19	11/16/20	WG	NS	SW8260B	Dibromofluoromethane	106	70	130
680-191752-1	OLF-G19	11/16/20	WG	NS	SW8260B	Toluene-D8	95	70	130
680-198812-1	OLF-G19	5/6/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	60	124
680-198812-1	OLF-G19	5/6/21	WG	NS	SW8260B	4-Bromofluorobenzene	107	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198812-1	OLF-G19	5/6/21	WG	NS	SW8260B	Dibromofluoromethane	99	70	130
680-198812-1	OLF-G19	5/6/21	WG	NS	SW8260B	Toluene-D8	102	70	130
680-191752-1	OLF-G20	11/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-191752-1	OLF-G20	11/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	96	70	130
680-191752-1	OLF-G20	11/18/20	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-191752-1	OLF-G20	11/18/20	WG	NS	SW8260B	Toluene-D8	91	70	130
680-198823-1	OLF-G20	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	92	60	124
680-198823-1	OLF-G20	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	103	70	130
680-198823-1	OLF-G20	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	105	70	130
680-198823-1	OLF-G20	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191752-1	OLF-G21	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	60	124
680-191752-1	OLF-G21	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	119	70	130
680-191752-1	OLF-G21	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	91	70	130
680-191752-1	OLF-G21	11/17/20	WG	NS	SW8260B	Toluene-D8	96	70	130
680-198812-1	OLF-G21	5/6/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	60	124
680-198812-1	OLF-G21	5/6/21	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-198812-1	OLF-G21	5/6/21	WG	NS	SW8260B	Dibromofluoromethane	110	70	130
680-198812-1	OLF-G21	5/6/21	WG	NS	SW8260B	Toluene-D8	112	70	130
680-191752-1	OLF-G22	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-191752-1	OLF-G22	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	70	130
680-191752-1	OLF-G22	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	94	70	130
680-191752-1	OLF-G22	11/17/20	WG	NS	SW8260B	Toluene-D8	91	70	130
680-198812-1	OLF-G22	5/6/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-198812-1	OLF-G22	5/6/21	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-198812-1	OLF-G22	5/6/21	WG	NS	SW8260B	Dibromofluoromethane	97	70	130
680-198812-1	OLF-G22	5/6/21	WG	NS	SW8260B	Toluene-D8	97	70	130
680-198823-1	OLF-G22	5/6/21	WG	FD	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-198823-1	OLF-G22	5/6/21	WG	FD	SW8260B	4-Bromofluorobenzene	98	70	130
680-198823-1	OLF-G22	5/6/21	WG	FD	SW8260B	Dibromofluoromethane	100	70	130
680-198823-1	OLF-G22	5/6/21	WG	FD	SW8260B	Toluene-D8	100	70	130
680-191752-1	OLF-G23	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	92	60	124
680-191752-1	OLF-G23	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	112	70	130
680-191752-1	OLF-G23	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	92	70	130
680-191752-1	OLF-G23	11/17/20	WG	NS	SW8260B	Toluene-D8	98	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198812-1	OLF-G23	5/7/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	60	124
680-198812-1	OLF-G23	5/7/21	WG	NS	SW8260B	4-Bromofluorobenzene	100	70	130
680-198812-1	OLF-G23	5/7/21	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-198812-1	OLF-G23	5/7/21	WG	NS	SW8260B	Toluene-D8	99	70	130
680-191752-1	OLF-G24	11/16/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	105	60	124
680-191752-1	OLF-G24	11/16/20	WG	NS	SW8260B	4-Bromofluorobenzene	118	70	130
680-191752-1	OLF-G24	11/16/20	WG	NS	SW8260B	Dibromofluoromethane	106	70	130
680-191752-1	OLF-G24	11/16/20	WG	NS	SW8260B	Toluene-D8	100	70	130
680-198812-1	OLF-G24	5/7/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	60	124
680-198812-1	OLF-G24	5/7/21	WG	NS	SW8260B	4-Bromofluorobenzene	99	70	130
680-198812-1	OLF-G24	5/7/21	WG	NS	SW8260B	Dibromofluoromethane	109	70	130
680-198812-1	OLF-G24	5/7/21	WG	NS	SW8260B	Toluene-D8	96	70	130
680-191752-1	OLF-G26	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-191752-1	OLF-G26	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	113	70	130
680-191752-1	OLF-G26	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	91	70	130
680-191752-1	OLF-G26	11/17/20	WG	NS	SW8260B	Toluene-D8	98	70	130
680-198812-1	OLF-G26	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	60	124
680-198812-1	OLF-G26	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	102	70	130
680-198812-1	OLF-G26	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	117	70	130
680-198812-1	OLF-G26	5/10/21	WG	NS	SW8260B	Toluene-D8	102	70	130
680-191468-1	OLF-G31	11/12/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	85	60	124
680-191468-1	OLF-G31	11/12/20	WG	NS	SW8260B	4-Bromofluorobenzene	99	70	130
680-191468-1	OLF-G31	11/12/20	WG	NS	SW8260B	Dibromofluoromethane	99	70	130
680-191468-1	OLF-G31	11/12/20	WG	NS	SW8260B	Toluene-D8	106	70	130
680-198812-1	OLF-G31	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	95	60	124
680-198812-1	OLF-G31	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	109	70	130
680-198812-1	OLF-G31	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	97	70	130
680-198812-1	OLF-G31	5/10/21	WG	NS	SW8260B	Toluene-D8	102	70	130
680-191468-1	OLF-G32	11/12/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	83	60	124
680-191468-1	OLF-G32	11/12/20	WG	NS	SW8260B	4-Bromofluorobenzene	98	70	130
680-191468-1	OLF-G32	11/12/20	WG	NS	SW8260B	Dibromofluoromethane	99	70	130
680-191468-1	OLF-G32	11/12/20	WG	NS	SW8260B	Toluene-D8	108	70	130
680-198823-1	OLF-G32	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	60	124
680-198823-1	OLF-G32	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	100	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198823-1	OLF-G32	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-198823-1	OLF-G32	5/10/21	WG	NS	SW8260B	Toluene-D8	99	70	130
680-198824-1	OLF-G32	5/10/21	WG	FD	SW8260B	1,2-Dichloroethane-D4	98	60	124
680-198824-1	OLF-G32	5/10/21	WG	FD	SW8260B	4-Bromofluorobenzene	102	70	130
680-198824-1	OLF-G32	5/10/21	WG	FD	SW8260B	Dibromofluoromethane	109	70	130
680-198824-1	OLF-G32	5/10/21	WG	FD	SW8260B	Toluene-D8	98	70	130
680-191752-1	OLF-G35	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	101	60	124
680-191752-1	OLF-G35	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	70	130
680-191752-1	OLF-G35	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	94	70	130
680-191752-1	OLF-G35	11/17/20	WG	NS	SW8260B	Toluene-D8	92	70	130
680-198812-1	OLF-G35	5/6/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198812-1	OLF-G35	5/6/21	WG	NS	SW8260B	4-Bromofluorobenzene	108	70	130
680-198812-1	OLF-G35	5/6/21	WG	NS	SW8260B	Dibromofluoromethane	100	70	130
680-198812-1	OLF-G35	5/6/21	WG	NS	SW8260B	Toluene-D8	92	70	130
680-191752-1	OLF-G36	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	60	124
680-191752-1	OLF-G36	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	70	130
680-191752-1	OLF-G36	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-191752-1	OLF-G36	11/17/20	WG	NS	SW8260B	Toluene-D8	91	70	130
680-198812-1	OLF-G36	5/7/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	60	124
680-198812-1	OLF-G36	5/7/21	WG	NS	SW8260B	4-Bromofluorobenzene	99	70	130
680-198812-1	OLF-G36	5/7/21	WG	NS	SW8260B	Dibromofluoromethane	109	70	130
680-198812-1	OLF-G36	5/7/21	WG	NS	SW8260B	Toluene-D8	96	70	130
680-191468-1	OLF-G42	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	84	60	124
680-191468-1	OLF-G42	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	60	124
680-191468-1	OLF-G42	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-191468-1	OLF-G42	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	100	70	130
680-191468-1	OLF-G42	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-191468-1	OLF-G42	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	99	70	130
680-191468-1	OLF-G42	11/11/20	WG	NS	SW8260B	Toluene-D8	107	70	130
680-191468-1	OLF-G42	11/11/20	WG	NS	SW8260B	Toluene-D8	92	70	130
680-198823-1	OLF-G42	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-198823-1	OLF-G42	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-198823-1	OLF-G42	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	104	70	130
680-198823-1	OLF-G42	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-191752-1	OLF-G43	11/16/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	105	60	124
680-191752-1	OLF-G43	11/16/20	WG	NS	SW8260B	4-Bromofluorobenzene	107	70	130
680-191752-1	OLF-G43	11/16/20	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-191752-1	OLF-G43	11/16/20	WG	NS	SW8260B	Toluene-D8	98	70	130
680-198812-1	OLF-G43	5/7/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198812-1	OLF-G43	5/7/21	WG	NS	SW8260B	4-Bromofluorobenzene	93	70	130
680-198812-1	OLF-G43	5/7/21	WG	NS	SW8260B	Dibromofluoromethane	96	70	130
680-198812-1	OLF-G43	5/7/21	WG	NS	SW8260B	Toluene-D8	96	70	130
680-191752-1	OLF-G47	11/16/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	96	60	124
680-191752-1	OLF-G47	11/16/20	WG	NS	SW8260B	4-Bromofluorobenzene	97	70	130
680-191752-1	OLF-G47	11/16/20	WG	NS	SW8260B	Dibromofluoromethane	90	70	130
680-191752-1	OLF-G47	11/16/20	WG	NS	SW8260B	Toluene-D8	91	70	130
680-198812-1	OLF-G47	5/6/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198812-1	OLF-G47	5/6/21	WG	NS	SW8260B	4-Bromofluorobenzene	110	70	130
680-198812-1	OLF-G47	5/6/21	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-198812-1	OLF-G47	5/6/21	WG	NS	SW8260B	Toluene-D8	92	70	130
680-198823-1	OLF-G47	5/6/21	WG	FD	SW8260B	1,2-Dichloroethane-D4	93	60	124
680-198823-1	OLF-G47	5/6/21	WG	FD	SW8260B	4-Bromofluorobenzene	101	70	130
680-198823-1	OLF-G47	5/6/21	WG	FD	SW8260B	Dibromofluoromethane	108	70	130
680-198823-1	OLF-G47	5/6/21	WG	FD	SW8260B	Toluene-D8	95	70	130
680-191752-1	OLF-G48	11/16/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	60	124
680-191752-1	OLF-G48	11/16/20	WG	NS	SW8260B	4-Bromofluorobenzene	98	70	130
680-191752-1	OLF-G48	11/16/20	WG	NS	SW8260B	Dibromofluoromethane	90	70	130
680-191752-1	OLF-G48	11/16/20	WG	NS	SW8260B	Toluene-D8	90	70	130
680-198812-1	OLF-G48	5/6/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	60	124
680-198812-1	OLF-G48	5/6/21	WG	NS	SW8260B	4-Bromofluorobenzene	105	70	130
680-198812-1	OLF-G48	5/6/21	WG	NS	SW8260B	Dibromofluoromethane	96	70	130
680-198812-1	OLF-G48	5/6/21	WG	NS	SW8260B	Toluene-D8	105	70	130
680-191752-1	OLF-G49	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	60	124
680-191752-1	OLF-G49	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	113	70	130
680-191752-1	OLF-G49	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-191752-1	OLF-G49	11/17/20	WG	NS	SW8260B	Toluene-D8	96	70	130
680-198823-1	OLF-G49	5/12/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	60	124
680-198823-1	OLF-G49	5/12/21	WG	NS	SW8260B	4-Bromofluorobenzene	97	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198823-1	OLF-G49	5/12/21	WG	NS	SW8260B	Dibromofluoromethane	98	70	130
680-198823-1	OLF-G49	5/12/21	WG	NS	SW8260B	Toluene-D8	102	70	130
680-191752-1	OLF-G50	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	60	124
680-191752-1	OLF-G50	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	96	70	130
680-191752-1	OLF-G50	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-191752-1	OLF-G50	11/17/20	WG	NS	SW8260B	Toluene-D8	92	70	130
680-198823-1	OLF-G50	5/12/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	60	124
680-198823-1	OLF-G50	5/12/21	WG	NS	SW8260B	4-Bromofluorobenzene	99	70	130
680-198823-1	OLF-G50	5/12/21	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-198823-1	OLF-G50	5/12/21	WG	NS	SW8260B	Toluene-D8	102	70	130
680-191752-1	OLF-G51	11/17/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-191752-1	OLF-G51	11/17/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	70	130
680-191752-1	OLF-G51	11/17/20	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-191752-1	OLF-G51	11/17/20	WG	NS	SW8260B	Toluene-D8	91	70	130
680-198823-1	OLF-G51	5/12/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	60	124
680-198823-1	OLF-G51	5/12/21	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-198823-1	OLF-G51	5/12/21	WG	NS	SW8260B	Dibromofluoromethane	100	70	130
680-198823-1	OLF-G51	5/12/21	WG	NS	SW8260B	Toluene-D8	99	70	130
680-191752-1	OLF-G52	11/16/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	60	124
680-191752-1	OLF-G52	11/16/20	WG	NS	SW8260B	4-Bromofluorobenzene	118	70	130
680-191752-1	OLF-G52	11/16/20	WG	NS	SW8260B	Dibromofluoromethane	102	70	130
680-191752-1	OLF-G52	11/16/20	WG	NS	SW8260B	Toluene-D8	94	70	130
680-198823-1	OLF-G52	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-198823-1	OLF-G52	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	98	70	130
680-198823-1	OLF-G52	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-198823-1	OLF-G52	5/10/21	WG	NS	SW8260B	Toluene-D8	98	70	130
680-191468-1	OLF-G70	11/12/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	84	60	124
680-191468-1	OLF-G70	11/12/20	WG	NS	SW8260B	4-Bromofluorobenzene	105	70	130
680-191468-1	OLF-G70	11/12/20	WG	NS	SW8260B	Dibromofluoromethane	98	70	130
680-191468-1	OLF-G70	11/12/20	WG	NS	SW8260B	Toluene-D8	104	70	130
680-191468-1	OLF-G70	11/12/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	85	60	124
680-191468-1	OLF-G70	11/12/20	WG	FD	SW8260B	4-Bromofluorobenzene	102	70	130
680-191468-1	OLF-G70	11/12/20	WG	FD	SW8260B	Dibromofluoromethane	102	70	130
680-191468-1	OLF-G70	11/12/20	WG	FD	SW8260B	Toluene-D8	107	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198812-1	OLF-G70	5/7/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198812-1	OLF-G70	5/7/21	WG	NS	SW8260B	4-Bromofluorobenzene	93	70	130
680-198812-1	OLF-G70	5/7/21	WG	NS	SW8260B	Dibromofluoromethane	96	70	130
680-198812-1	OLF-G70	5/7/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191468-1	OLF-G71-PORT1	11/12/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	60	124
680-191468-1	OLF-G71-PORT1	11/12/20	WG	NS	SW8260B	4-Bromofluorobenzene	112	70	130
680-191468-1	OLF-G71-PORT1	11/12/20	WG	NS	SW8260B	Dibromofluoromethane	110	70	130
680-191468-1	OLF-G71-PORT1	11/12/20	WG	NS	SW8260B	Toluene-D8	101	70	130
680-198823-1	OLF-G71-PORT1	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198823-1	OLF-G71-PORT1	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	102	70	130
680-198823-1	OLF-G71-PORT1	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	99	70	130
680-198823-1	OLF-G71-PORT1	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191468-1	OLF-G71-PORT2	11/12/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	108	60	124
680-191468-1	OLF-G71-PORT2	11/12/20	WG	NS	SW8260B	4-Bromofluorobenzene	111	70	130
680-191468-1	OLF-G71-PORT2	11/12/20	WG	NS	SW8260B	Dibromofluoromethane	109	70	130
680-191468-1	OLF-G71-PORT2	11/12/20	WG	NS	SW8260B	Toluene-D8	101	70	130
680-198823-1	OLF-G71-PORT2	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198823-1	OLF-G71-PORT2	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	97	70	130
680-198823-1	OLF-G71-PORT2	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	102	70	130
680-198823-1	OLF-G71-PORT2	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191468-1	OLF-G71-PORT3	11/12/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	117	60	124
680-191468-1	OLF-G71-PORT3	11/12/20	WG	NS	SW8260B	4-Bromofluorobenzene	109	70	130
680-191468-1	OLF-G71-PORT3	11/12/20	WG	NS	SW8260B	Dibromofluoromethane	108	70	130
680-191468-1	OLF-G71-PORT3	11/12/20	WG	NS	SW8260B	Toluene-D8	99	70	130
680-198823-1	OLF-G71-PORT3	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	60	124
680-198823-1	OLF-G71-PORT3	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	100	70	130
680-198823-1	OLF-G71-PORT3	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	104	70	130
680-198823-1	OLF-G71-PORT3	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191468-1	OLF-G71-PORT4	11/12/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	111	60	124
680-191468-1	OLF-G71-PORT4	11/12/20	WG	NS	SW8260B	4-Bromofluorobenzene	120	70	130
680-191468-1	OLF-G71-PORT4	11/12/20	WG	NS	SW8260B	Dibromofluoromethane	110	70	130
680-191468-1	OLF-G71-PORT4	11/12/20	WG	NS	SW8260B	Toluene-D8	102	70	130
680-198823-1	OLF-G71-PORT4	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	92	60	124
680-198823-1	OLF-G71-PORT4	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198823-1	OLF-G71-PORT4	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	102	70	130
680-198823-1	OLF-G71-PORT4	5/11/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191468-1	OLF-G71-PORT5	11/12/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	105	60	124
680-191468-1	OLF-G71-PORT5	11/12/20	WG	NS	SW8260B	4-Bromofluorobenzene	118	70	130
680-191468-1	OLF-G71-PORT5	11/12/20	WG	NS	SW8260B	Dibromofluoromethane	106	70	130
680-191468-1	OLF-G71-PORT5	11/12/20	WG	NS	SW8260B	Toluene-D8	101	70	130
680-198823-1	OLF-G71-PORT5	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198823-1	OLF-G71-PORT5	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	97	70	130
680-198823-1	OLF-G71-PORT5	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	104	70	130
680-198823-1	OLF-G71-PORT5	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191488-1	OLF-G72-PORT1	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	103	60	124
680-191488-1	OLF-G72-PORT1	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	122	70	130
680-191488-1	OLF-G72-PORT1	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	104	70	130
680-191488-1	OLF-G72-PORT1	11/11/20	WG	NS	SW8260B	Toluene-D8	96	70	130
680-198823-1	OLF-G72-PORT1	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	88	60	124
680-198823-1	OLF-G72-PORT1	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	102	70	130
680-198823-1	OLF-G72-PORT1	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-198823-1	OLF-G72-PORT1	5/11/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191488-1	OLF-G72-PORT2	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-191488-1	OLF-G72-PORT2	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	119	70	130
680-191488-1	OLF-G72-PORT2	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-191488-1	OLF-G72-PORT2	11/11/20	WG	NS	SW8260B	Toluene-D8	96	70	130
680-198823-1	OLF-G72-PORT2	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	84	60	124
680-198823-1	OLF-G72-PORT2	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	97	70	130
680-198823-1	OLF-G72-PORT2	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-198823-1	OLF-G72-PORT2	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191488-1	OLF-G72-PORT3	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	104	60	124
680-191488-1	OLF-G72-PORT3	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	124	70	130
680-191488-1	OLF-G72-PORT3	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-191488-1	OLF-G72-PORT3	11/11/20	WG	NS	SW8260B	Toluene-D8	95	70	130
680-198823-1	OLF-G72-PORT3	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198823-1	OLF-G72-PORT3	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	102	70	130
680-198823-1	OLF-G72-PORT3	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	102	70	130
680-198823-1	OLF-G72-PORT3	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-191488-1	OLF-G72-PORT4	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	109	60	124
680-191488-1	OLF-G72-PORT4	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	120	70	130
680-191488-1	OLF-G72-PORT4	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	105	70	130
680-191488-1	OLF-G72-PORT4	11/11/20	WG	NS	SW8260B	Toluene-D8	96	70	130
680-198823-1	OLF-G72-PORT4	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	87	60	124
680-198823-1	OLF-G72-PORT4	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	100	70	130
680-198823-1	OLF-G72-PORT4	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-198823-1	OLF-G72-PORT4	5/11/21	WG	NS	SW8260B	Toluene-D8	93	70	130
680-191488-1	OLF-G72-PORT5	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	107	60	124
680-191488-1	OLF-G72-PORT5	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	116	70	130
680-191488-1	OLF-G72-PORT5	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	104	70	130
680-191488-1	OLF-G72-PORT5	11/11/20	WG	NS	SW8260B	Toluene-D8	96	70	130
680-198823-1	OLF-G72-PORT5	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198823-1	OLF-G72-PORT5	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	99	70	130
680-198823-1	OLF-G72-PORT5	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-198823-1	OLF-G72-PORT5	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191488-1	OLF-G72-PORT6	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	111	60	124
680-191488-1	OLF-G72-PORT6	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	123	70	130
680-191488-1	OLF-G72-PORT6	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	112	70	130
680-191488-1	OLF-G72-PORT6	11/11/20	WG	NS	SW8260B	Toluene-D8	101	70	130
680-198823-1	OLF-G72-PORT6	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	88	60	124
680-198823-1	OLF-G72-PORT6	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	100	70	130
680-198823-1	OLF-G72-PORT6	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	105	70	130
680-198823-1	OLF-G72-PORT6	5/11/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191468-1	OLF-G73-PORT1	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	87	60	124
680-191468-1	OLF-G73-PORT1	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	103	70	130
680-191468-1	OLF-G73-PORT1	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-191468-1	OLF-G73-PORT1	11/10/20	WG	NS	SW8260B	Toluene-D8	105	70	130
680-198812-1	OLF-G73-PORT1	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	60	124
680-198812-1	OLF-G73-PORT1	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	98	70	130
680-198812-1	OLF-G73-PORT1	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	102	70	130
680-198812-1	OLF-G73-PORT1	5/10/21	WG	NS	SW8260B	Toluene-D8	104	70	130
680-191468-1	OLF-G73-PORT2	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	85	60	124
680-191468-1	OLF-G73-PORT2	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	100	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-191468-1	OLF-G73-PORT2	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	100	70	130
680-191468-1	OLF-G73-PORT2	11/10/20	WG	NS	SW8260B	Toluene-D8	109	70	130
680-198812-1	OLF-G73-PORT2	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	88	60	124
680-198812-1	OLF-G73-PORT2	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	92	70	130
680-198812-1	OLF-G73-PORT2	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	92	70	130
680-198812-1	OLF-G73-PORT2	5/10/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191468-1	OLF-G73-PORT3	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	86	60	124
680-191468-1	OLF-G73-PORT3	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	102	70	130
680-191468-1	OLF-G73-PORT3	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	99	70	130
680-191468-1	OLF-G73-PORT3	11/10/20	WG	NS	SW8260B	Toluene-D8	106	70	130
680-198812-1	OLF-G73-PORT3	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198812-1	OLF-G73-PORT3	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	91	70	130
680-198812-1	OLF-G73-PORT3	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-198812-1	OLF-G73-PORT3	5/10/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191468-1	OLF-G73-PORT4	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	111	60	124
680-191468-1	OLF-G73-PORT4	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	116	70	130
680-191468-1	OLF-G73-PORT4	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	105	70	130
680-191468-1	OLF-G73-PORT4	11/10/20	WG	NS	SW8260B	Toluene-D8	99	70	130
680-198812-1	OLF-G73-PORT4	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-198812-1	OLF-G73-PORT4	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	95	70	130
680-198812-1	OLF-G73-PORT4	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	95	70	130
680-198812-1	OLF-G73-PORT4	5/10/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191468-1	OLF-G73-PORT5	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	87	60	124
680-191468-1	OLF-G73-PORT5	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	100	70	130
680-191468-1	OLF-G73-PORT5	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	99	70	130
680-191468-1	OLF-G73-PORT5	11/10/20	WG	NS	SW8260B	Toluene-D8	107	70	130
680-198812-1	OLF-G73-PORT5	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	60	124
680-198812-1	OLF-G73-PORT5	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	94	70	130
680-198812-1	OLF-G73-PORT5	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-198812-1	OLF-G73-PORT5	5/10/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191488-1	OLF-G74-PORT1	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	106	60	124
680-191488-1	OLF-G74-PORT1	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	122	70	130
680-191488-1	OLF-G74-PORT1	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	106	70	130
680-191488-1	OLF-G74-PORT1	11/11/20	WG	NS	SW8260B	Toluene-D8	96	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198812-1	OLF-G74-PORT1	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198812-1	OLF-G74-PORT1	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	94	70	130
680-198812-1	OLF-G74-PORT1	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	94	70	130
680-198812-1	OLF-G74-PORT1	5/10/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-198812-1	OLF-G74-PORT1	5/10/21	WG	FD	SW8260B	1,2-Dichloroethane-D4	88	60	124
680-198812-1	OLF-G74-PORT1	5/10/21	WG	FD	SW8260B	4-Bromofluorobenzene	111	70	130
680-198812-1	OLF-G74-PORT1	5/10/21	WG	FD	SW8260B	Dibromofluoromethane	101	70	130
680-198812-1	OLF-G74-PORT1	5/10/21	WG	FD	SW8260B	Toluene-D8	92	70	130
680-191488-1	OLF-G74-PORT2	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	108	60	124
680-191488-1	OLF-G74-PORT2	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	111	70	130
680-191488-1	OLF-G74-PORT2	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-191488-1	OLF-G74-PORT2	11/11/20	WG	NS	SW8260B	Toluene-D8	93	70	130
680-191488-1	OLF-G74-PORT2	11/11/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	104	60	124
680-191488-1	OLF-G74-PORT2	11/11/20	WG	FD	SW8260B	4-Bromofluorobenzene	124	70	130
680-191488-1	OLF-G74-PORT2	11/11/20	WG	FD	SW8260B	Dibromofluoromethane	105	70	130
680-191488-1	OLF-G74-PORT2	11/11/20	WG	FD	SW8260B	Toluene-D8	96	70	130
680-198812-1	OLF-G74-PORT2	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-198812-1	OLF-G74-PORT2	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	94	70	130
680-198812-1	OLF-G74-PORT2	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	94	70	130
680-198812-1	OLF-G74-PORT2	5/10/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191488-1	OLF-G74-PORT3	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	114	60	124
680-191488-1	OLF-G74-PORT3	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	124	70	130
680-191488-1	OLF-G74-PORT3	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	107	70	130
680-191488-1	OLF-G74-PORT3	11/11/20	WG	NS	SW8260B	Toluene-D8	100	70	130
680-198812-1	OLF-G74-PORT3	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	60	124
680-198812-1	OLF-G74-PORT3	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	96	70	130
680-198812-1	OLF-G74-PORT3	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	94	70	130
680-198812-1	OLF-G74-PORT3	5/10/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191488-1	OLF-G74-PORT4	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	104	60	124
680-191488-1	OLF-G74-PORT4	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	126	70	130
680-191488-1	OLF-G74-PORT4	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	108	70	130
680-191488-1	OLF-G74-PORT4	11/11/20	WG	NS	SW8260B	Toluene-D8	98	70	130
680-198812-1	OLF-G74-PORT4	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198812-1	OLF-G74-PORT4	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	93	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198812-1	OLF-G74-PORT4	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	95	70	130
680-198812-1	OLF-G74-PORT4	5/10/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191488-1	OLF-G74-PORT5	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-191488-1	OLF-G74-PORT5	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	123	70	130
680-191488-1	OLF-G74-PORT5	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-191488-1	OLF-G74-PORT5	11/11/20	WG	NS	SW8260B	Toluene-D8	99	70	130
680-198812-1	OLF-G74-PORT5	5/10/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-198812-1	OLF-G74-PORT5	5/10/21	WG	NS	SW8260B	4-Bromofluorobenzene	95	70	130
680-198812-1	OLF-G74-PORT5	5/10/21	WG	NS	SW8260B	Dibromofluoromethane	95	70	130
680-198812-1	OLF-G74-PORT5	5/10/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191468-1	OLF-G75-S1	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	60	124
680-191468-1	OLF-G75-S1	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	98	70	130
680-191468-1	OLF-G75-S1	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-191468-1	OLF-G75-S1	11/11/20	WG	NS	SW8260B	Toluene-D8	91	70	130
680-191468-1	OLF-G75-S1	11/11/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	98	60	124
680-191468-1	OLF-G75-S1	11/11/20	WG	FD	SW8260B	4-Bromofluorobenzene	98	70	130
680-191468-1	OLF-G75-S1	11/11/20	WG	FD	SW8260B	Dibromofluoromethane	92	70	130
680-191468-1	OLF-G75-S1	11/11/20	WG	FD	SW8260B	Toluene-D8	90	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	60	124
680-191468-1	OLF-G75-S2	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	98	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	93	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	NS	SW8260B	Toluene-D8	92	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	84	60	124
680-191468-1	OLF-G75-S2	11/11/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	96	60	124
680-191468-1	OLF-G75-S2	11/11/20	WG	FD	SW8260B	4-Bromofluorobenzene	100	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	FD	SW8260B	4-Bromofluorobenzene	97	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	FD	SW8260B	Dibromofluoromethane	100	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	FD	SW8260B	Dibromofluoromethane	92	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	FD	SW8260B	Toluene-D8	108	70	130
680-191468-1	OLF-G75-S2	11/11/20	WG	FD	SW8260B	Toluene-D8	91	70	130
680-191468-1	OLF-G75-S3	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	85	60	124
680-191468-1	OLF-G75-S3	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	103	70	130
680-191468-1	OLF-G75-S3	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-191468-1	OLF-G75-S3	11/10/20	WG	NS	SW8260B	Toluene-D8	106	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-198823-1	OLF-G75-S3	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-198823-1	OLF-G75-S3	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	103	70	130
680-198823-1	OLF-G75-S3	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	104	70	130
680-198823-1	OLF-G75-S3	5/11/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-191468-1	OLF-G75-S4	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	85	60	124
680-191468-1	OLF-G75-S4	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-191468-1	OLF-G75-S4	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-191468-1	OLF-G75-S4	11/10/20	WG	NS	SW8260B	Toluene-D8	104	70	130
680-191468-1	OLF-G75-S5	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	84	60	124
680-191468-1	OLF-G75-S5	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-191468-1	OLF-G75-S5	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	100	70	130
680-191468-1	OLF-G75-S5	11/10/20	WG	NS	SW8260B	Toluene-D8	107	70	130
680-198823-1	OLF-G75-S5	5/11/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	60	124
680-198823-1	OLF-G75-S5	5/11/21	WG	NS	SW8260B	4-Bromofluorobenzene	103	70	130
680-198823-1	OLF-G75-S5	5/11/21	WG	NS	SW8260B	Dibromofluoromethane	103	70	130
680-198823-1	OLF-G75-S5	5/11/21	WG	NS	SW8260B	Toluene-D8	92	70	130
680-191468-1	OLF-G75-S6	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	85	60	124
680-191468-1	OLF-G75-S6	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	103	70	130
680-191468-1	OLF-G75-S6	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	102	70	130
680-191468-1	OLF-G75-S6	11/10/20	WG	NS	SW8260B	Toluene-D8	104	70	130
680-191468-1	OLF-G77	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	85	60	124
680-191468-1	OLF-G77	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	103	60	124
680-191468-1	OLF-G77	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	116	70	130
680-191468-1	OLF-G77	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	101	70	130
680-191468-1	OLF-G77	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	106	70	130
680-191468-1	OLF-G77	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	98	70	130
680-191468-1	OLF-G77	11/10/20	WG	NS	SW8260B	Toluene-D8	100	70	130
680-191468-1	OLF-G77	11/10/20	WG	NS	SW8260B	Toluene-D8	105	70	130
680-191488-1	OLF-G77	11/10/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	84	60	124
680-191488-1	OLF-G77	11/10/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	101	60	124
680-191488-1	OLF-G77	11/10/20	WG	FD	SW8260B	4-Bromofluorobenzene	116	70	130
680-191488-1	OLF-G77	11/10/20	WG	FD	SW8260B	4-Bromofluorobenzene	99	70	130
680-191488-1	OLF-G77	11/10/20	WG	FD	SW8260B	Dibromofluoromethane	103	70	130
680-191488-1	OLF-G77	11/10/20	WG	FD	SW8260B	Dibromofluoromethane	97	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL
680-191488-1	OLF-G77	11/10/20	WG	FD	SW8260B	Toluene-D8	107	70	130
680-191488-1	OLF-G77	11/10/20	WG	FD	SW8260B	Toluene-D8	98	70	130
680-198824-1	OLF-G77	5/12/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	88	60	124
680-198824-1	OLF-G77	5/12/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	60	124
680-198824-1	OLF-G77	5/12/21	WG	NS	SW8260B	4-Bromofluorobenzene	94	70	130
680-198824-1	OLF-G77	5/12/21	WG	NS	SW8260B	4-Bromofluorobenzene	96	70	130
680-198824-1	OLF-G77	5/12/21	WG	NS	SW8260B	Dibromofluoromethane	95	70	130
680-198824-1	OLF-G77	5/12/21	WG	NS	SW8260B	Dibromofluoromethane	96	70	130
680-198824-1	OLF-G77	5/12/21	WG	NS	SW8260B	Toluene-D8	97	70	130
680-198824-1	OLF-G77	5/12/21	WG	NS	SW8260B	Toluene-D8	94	70	130
680-198824-1	OLF-G77	5/12/21	WG	FD	SW8260B	1,2-Dichloroethane-D4	91	60	124
680-198824-1	OLF-G77	5/12/21	WG	FD	SW8260B	1,2-Dichloroethane-D4	89	60	124
680-198824-1	OLF-G77	5/12/21	WG	FD	SW8260B	4-Bromofluorobenzene	95	70	130
680-198824-1	OLF-G77	5/12/21	WG	FD	SW8260B	4-Bromofluorobenzene	92	70	130
680-198824-1	OLF-G77	5/12/21	WG	FD	SW8260B	Dibromofluoromethane	95	70	130
680-198824-1	OLF-G77	5/12/21	WG	FD	SW8260B	Dibromofluoromethane	97	70	130
680-198824-1	OLF-G77	5/12/21	WG	FD	SW8260B	Toluene-D8	95	70	130
680-198824-1	OLF-G77	5/12/21	WG	FD	SW8260B	Toluene-D8	95	70	130
680-191468-1	OLF-G78	11/10/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	116	60	124
680-191468-1	OLF-G78	11/10/20	WG	NS	SW8260B	4-Bromofluorobenzene	127	70	130
680-191468-1	OLF-G78	11/10/20	WG	NS	SW8260B	Dibromofluoromethane	101	70	130
680-191468-1	OLF-G78	11/10/20	WG	NS	SW8260B	Toluene-D8	98	70	130
680-198824-1	OLF-G78	5/12/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-198824-1	OLF-G78	5/12/21	WG	NS	SW8260B	4-Bromofluorobenzene	98	70	130
680-198824-1	OLF-G78	5/12/21	WG	NS	SW8260B	Dibromofluoromethane	109	70	130
680-198824-1	OLF-G78	5/12/21	WG	NS	SW8260B	Toluene-D8	95	70	130
680-191488-1	PPMP-229-GP12	11/11/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	120	60	124
680-191488-1	PPMP-229-GP12	11/11/20	WG	NS	SW8260B	4-Bromofluorobenzene	126	70	130
680-191488-1	PPMP-229-GP12	11/11/20	WG	NS	SW8260B	Dibromofluoromethane	109	70	130
680-191488-1	PPMP-229-GP12	11/11/20	WG	NS	SW8260B	Toluene-D8	101	70	130
680-198812-1	PPMP-229-GP12	5/7/21	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	60	124
680-198812-1	PPMP-229-GP12	5/7/21	WG	NS	SW8260B	4-Bromofluorobenzene	94	70	130
680-198812-1	PPMP-229-GP12	5/7/21	WG	NS	SW8260B	Dibromofluoromethane	118	70	130
680-198812-1	PPMP-229-GP12	5/7/21	WG	NS	SW8260B	Toluene-D8	105	70	130

Table 4-8: Summary of Surrogate Recoveries
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Delivery Group	Station Name	Sample Date	Matrix	QC Code	Method	Parameter Name	%R	LCL	UCL

Notes:

LCL = lower control limit

%R = percent recovery

QC = quality control

UCL = upper control limit

W = Water

WG = ground water

Blue text, bold and outlined = Greater than acceptance limits.

Bold and shaded = Less than acceptance limits

Table 4-9: Summary of Detections in Blanks
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama

Laboratory Sample ID	Station Name	Sample Date	QC Code	Method	Parameter Name	Result	Flag	Units
680-191752-20	EB136	11/18/20	WG	RSK-175	Methane	0.43	J	µg/L
680-198824-8	EB138	5/12/21	W	SW8260B	Carbon Disulfide	3		µg/L
680-198824-8	EB138	5/12/21	W	SW9060A	Total Organic Carbon	1.2		mg/L
680-191752-21	Material 106	11/18/20	W	RSK-175	Methane	0.43	J	µg/L

Notes:

ID = Identification

µg/L = micrograms per liter

MB = Method blank

QC = Quality control

WS = Source Water(Material Blank)

Flag:

J = Result is estimated; result is less than the reporting limit and greater than the method detection limit.

**Table 5-1: Reporting Limits and Method Detection Limits Compared to RSLs and RBTLs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama**

Matrix	Method	Parameter Name	MDL	RL	Units	PSV (RSL)	GS RBTL
TALSAV							
WG	SW8260B	1,1,1,2-Tetrachloroethane	0.37	1	µg/L	0.57	NA
WG	SW8260B	1,1,1-Trichloroethane (M)	0.37	1	µg/L	200	NA
WG	SW8260B	1,1,2,2-Tetrachloroethane	0.62	1	µg/L	0.076	13.6
WG	SW8260B	1,1,2-Trichloroethane (M)	0.33	1	µg/L	5	50.2
WG	SW8260B	1,1-Dichloroethane	0.38	1	µg/L	2.8	NA
WG	SW8260B	1,1-Dichloroethene (M)	0.36	1	µg/L	7	NA
WG	SW8260B	1,1-Dichloropropene	0.34	1	µg/L	NA	NA
WG	SW8260B	1,2,3-Trichlorobenzene	2.5	5	µg/L	0.7	NA
WG	SW8260B	1,2,3-Trichloropropane	0.39	1	µg/L	0.00075	NA
WG	SW8260B	1,2,4-Trichlorobenzene (M)	2.5	5	µg/L	70	NA
WG	SW8260B	1,2,4-Trimethylbenzene	0.47	1	µg/L	5.6	NA
WG	SW8260B	1,2-Dibromo-3-Chloropropane (M)	1.1	5	µg/L	0.2	NA
WG	SW8260B	1,2-Dibromoethane (M)	0.44	1	µg/L	0.05	NA
WG	SW8260B	1,2-Dichlorobenzene (M)	0.37	1	µg/L	600	NA
WG	SW8260B	1,2-Dichloroethane (M)	0.5	1	µg/L	5	30.8
WG	SW8260B	1,2-Dichloropropane (M)	0.67	1	µg/L	5	NA
WG	SW8260B	1,3,5-Trimethylbenzene	0.31	1	µg/L	5.5	NA
WG	SW8260B	1,3-Dichlorobenzene	0.43	1	µg/L	NA	NA
WG	SW8260B	1,3-Dichloropropane	0.34	1	µg/L	37	NA
WG	SW8260B	1,4-Dichlorobenzene (M)	0.46	1	µg/L	75	NA
WG	SW8260B	2,2-Dichloropropane	0.37	1	µg/L	NA	NA
WG	SW8260B	2-Butanone (MEK)	3.4	10	µg/L	560	NA
WG	SW8260B	2-Chlorotoluene	0.27	1	µg/L	0.24	NA
WG	SW8260B	2-Hexanone	2	10	µg/L	3.8	NA
WG	SW8260B	4-Chlorotoluene	0.45	1	µg/L	25	NA
WG	SW8260B	4-Methyl-2-Pentanone (MIBK)	2.1	10	µg/L	630	NA
WG	SW8260B	Acetone	7	10	µg/L	1400	NA
WG	SW8260B	Benzene (M)	0.43	1	µg/L	5	47.9
WG	SW8260B	Bromobenzene	0.5	1	µg/L	6.2	NA
WG	SW8260B	Bromochloromethane	0.45	1	µg/L	8.3	NA
WG	SW8260B	Bromodichloromethane (M)	0.44	1	µg/L	80	NA
WG	SW8260B	Bromoform (M)	0.43	1	µg/L	80	NA
WG	SW8260B	Bromomethane	2.5	5	µg/L	0.75	NA
WG	SW8260B	Carbon Disulfide	1	2	µg/L	81	NA
WG	SW8260B	Carbon Tetrachloride (M)	0.33	1	µg/L	5	NA
WG	SW8260B	Chlorobenzene (M)	0.26	1	µg/L	100	NA
WG	SW8260B	Chloroethane	2.5	5	µg/L	2100	NA
WG	SW8260B	Chloroform (M)	0.5	1	µg/L	80	NA
WG	SW8260B	Chloromethane	0.4	1	µg/L	19	NA
WG	SW8260B	Cis-1,2-Dichloroethene (M)	0.41	1	µg/L	70	991
WG	SW8260B	Cis-1,3-Dichloropropene	0.4	1	µg/L	0.47	NA
WG	SW8260B	Dibromochloromethane	0.32	1	µg/L	80	NA
WG	SW8260B	Dibromomethane	0.35	1	µg/L	0.83	NA
WG	SW8260B	Dichlorofluoromethane	0.6	2	µg/L	20	NA
WG	SW8260B	Ethylbenzene (M)	0.33	1	µg/L	700	NA
WG	SW8260B	Hexachlorobutadiene	2.5	5	µg/L	0.14	NA
WG	SW8260B	Isopropyl Benzene (Cumene)	0.35	1	µg/L	0.45	NA

**Table 5-1: Reporting Limits and Method Detection Limits Compared to RSLs and RBTLs
Landfill 3, Parcel 80(6) and Fill Area Northwest of Reilly Airfield Parcel 229(7)
McClellan, Annison, Alabama**

Matrix	Method	Parameter Name	MDL	RL	Units	PSV (RSL)	GS RBTL
WG	SW8260B	Methylene Chloride (M)	2.5	5	µg/L	5	NA
WG	SW8260B	MTBE	0.3	10	µg/L	14	NA
WG	SW8260B	Naphthalene	2.5	5	µg/L	0.17	1590
WG	SW8260B	N-Butylbenzene	0.47	1	µg/L	100	NA
WG	SW8260B	N-Propylbenzene	0.38	1	µg/L	66	NA
WG	SW8260B	P-Isopropyltoluene (Cymene)	0.2	1	µg/L	NA	NA
WG	SW8260B	sec-Butylbenzene	0.45	1	µg/L	200	NA
WG	SW8260B	Styrene (M)	0.27	1	µg/L	100	NA
WG	SW8260B	tert-Butylbenzene	0.45	1	µg/L	69	NA
WG	SW8260B	Tetrachloroethene (M)	0.74	1	µg/L	5	4.43
WG	SW8260B	Toluene (M)	0.48	1	µg/L	1000	NA
WG	SW8260B	Trans-1,2-Dichloroethene (M)	0.37	1	µg/L	100	NA
WG	SW8260B	Trans-1,3-Dichloropropene	0.42	1	µg/L	0.47	NA
WG	SW8260B	Trichloroethene (M)	0.48	1	µg/L	5	205
WG	SW8260B	Trichlorofluoromethane	0.42	1	µg/L	520	NA
WG	SW8260B	Vinyl Acetate	0.81	2	µg/L	41	NA
WG	SW8260B	Vinyl Chloride (M)	0.5	0.8	µg/L	2	3.86
WG	SW8260B	Xylenes (Total) (M)	0.23	3	µg/L	10000	NA
WG	RSK-175	Ethane	0.3	1.1	µg/L	NA	NA
WG	RSK-175	Ethene	0.31	1	µg/L	NA	NA
WG	RSK-175	Methane	0.57	0.58	µg/L	NA	NA
WG	SW9060	TOC	0.5	1	mg/L	NA	NA

Notes:

MDL = Method detection limit

µg/L = micrograms per liter

NA = not applicable

PSV (RSL) = primary screening value (regional screening levels, EPA June 2017, TR=1E-06 and THQ-0.1)
or (M) Maximum Contamination level (EPA June 2017, TR=1E-06 and THQ-0.1))

RL = Reporting limit

WG = Groundwater

Indicates the limit is greater than the PSV (RSL)

Appendix D
Analytical Data and
Laboratory Reports

Table D.1
On-Site Groundwater Analytical Results for
Year 1 - Year 4 Post Remediation

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G06	OLF-G06	OLF-G06	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G08	OLF-G08	OLF-G16	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20
Date	8/14/17	5/17/18	5/6/19	8/10/17	11/13/17	2/21/18	5/16/18	11/13/18	5/7/19	11/20/19	5/28/20	11/18/20	5/12/21	11/14/18	5/7/19	5/12/21	8/10/17	11/13/17	2/20/18	5/23/18	11/13/18
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,1,1-Trichloroethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,1,2,2-Tetrachloroethane	--	--	--	--	25	--	51	29 F1 (J)	96	67	180	59	130	--	--	< 1.0	--	< 1	--	< 1	1.3
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	--	< 1	--	--	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	--	< 1
1,1,2-Trichloroethane	--	--	--	--	0.4 J	--	0.61 J	< 1	1.2	1	2	0.79 J	2	--	--	< 1.0	--	< 1	--	< 1	< 1
1,1-Dichloroethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,1-Dichloroethene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	2.7	--	2.6	3.4
1,1-Dichloropropene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,2,3-Trichlorobenzene	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	--	--	< 5.0	--	< 1	--	< 5	< 5
1,2,3-Trichloropropane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,2,4-Trichlorobenzene	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	--	--	< 5.0	--	< 1	--	< 5	< 5
1,2,4-Trimethylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	--	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	F2	< 5.0	< 5.0	--	--	< 5.0	--	< 2	--	< 5	< 5
1,2-Dibromoethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,2-Dichlorobenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,2-Dichloroethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1	< 1.0	< 1.0	--	--	< 1.0	--	0.55 J	--	0.52 J	0.54 J
1,2-Dichloropropane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,3,5-Trimethylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,3-Dichlorobenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,3-Dichloropropane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
1,4-Dichlorobenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	0.32 J	--	< 1	< 1
2,2-Dichloropropane	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
2-Butanone (MEK)	--	--	--	--	< 10	--	< 10	< 10	< 10	< 10	< 10 F2	< 10	< 10	--	--	< 10	--	< 10	--	< 10	< 10
2-Chlorotoluene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
2-Hexanone	--	--	--	--	< 10	--	< 10	< 10	< 10	< 10	< 10 F2	< 10	< 10	--	--	< 10	--	< 10	--	< 10	< 10
4-Chlorotoluene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	--	--	--	--	< 10	--	< 10	< 10	< 10	< 10	< 10 F2	< 10	< 10	--	--	< 10	--	< 10	--	< 10	< 10
Acetone	--	--	--	--	< 10	--	< 10	< 10	< 10	< 10	< 10 F2	< 10	< 10	--	--	< 10	--	< 10	--	< 10	< 10
Acrylonitrile	--	--	--	--	< 10	--	--	< 20	< 20	< 20	< 20 F2	< 20	< 20	--	--	< 20	--	< 10	--	--	< 20
Benzene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	0.66 J	--	0.52 J	0.57 J
Bromobenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Bromochloromethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Bromodichloromethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Bromoform	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Bromomethane	--	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	F2	< 5.0	< 5.0	--	--	< 5.0	--	< 2	--	< 5	< 5
Carbon Disulfide	--	--	--	--	< 1	--	< 2	< 2	< 2	< 2.0	F2	< 2.0	< 2.0	--	--	< 2.0	--	< 1	--	< 2	< 2
Carbon Tetrachloride	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Chlorobenzene	--	--	--	--	0.3 J	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	2.7	--	2.1	2.2
Chloroethane	--	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	F2	< 5.0	< 5.0	--	--	< 5.0	--	0.57 J	--	< 5	< 5
Chloroform	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Chloromethane	--	--	--	--	< 2	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 2	--	< 1	< 1
Cis-1,2-Dichloroethene	--	--	--	--	2.4	--	4	2.2	6.6	6.1	11	4.3	8.3	--	--	< 1.0	--	17	--	9.3	8.6

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G06	OLF-G06	OLF-G06	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G07	OLF-G08	OLF-G08	OLF-G16	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20
Date	8/14/17	5/17/18	5/6/19	8/10/17	11/13/17	2/21/18	5/16/18	11/13/18	5/7/19	11/20/19	5/28/20	11/18/20	5/12/21	11/14/18	5/7/19	5/12/21	8/10/17	11/13/17	2/20/18	5/23/18	11/13/18
Cis-1,3-Dichloropropene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Dibromochloromethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Dibromomethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Dichlorodifluoromethane	--	--	--	--	< 2	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 2	--	< 1	< 1
Ethylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Hexachlorobutadiene	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	--	--	< 5.0	--	< 1	--	< 5	< 5
Iodomethane	--	--	--	--	< 2	--	--	< 10	< 10	< 10	< 10 F2	< 10	< 10	--	--	< 10	--	< 2	--	--	< 10
Isopropyl Benzene (Cumene)	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
m,p-Xylene	--	--	--	--	--	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1
Methylene Chloride	--	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 F2	< 5.0	< 5.0	--	--	< 5.0	--	< 2	--	< 5	< 5
MTBE	--	--	--	--	< 1	--	< 10	< 10	< 10	< 10	< 10 F2	< 10	< 10	--	--	< 10	--	< 1	--	< 10	< 10
Naphthalene	--	--	--	--	< 2	--	< 5	< 5	< 5	--	--	--	< 5.0	--	--	< 5.0	--	< 2	--	< 5	< 5
N-Butylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
N-Propylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
O-Xylene	--	--	--	--	--	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1
P-Isopropyltoluene (Cymene)	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Sec-Butylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Styrene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Tert-Butylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Tetrachloroethylene	--	--	--	--	0.32 J	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	1.2	--	--	< 1.0	--	< 1	--	< 1	< 1
Toluene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Trans-1,2-Dichloroethene	--	--	--	--	1.1	--	1.6	1.3	2.9	2.4	4.9	2.3	4.5	--	--	< 1.0	--	4.5	--	3	3
Trans-1,3-Dichloropropene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Trans-1,4-Dichloro-2-Butene	--	--	--	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0 F2	< 2.0	< 2.0	--	--	< 2.0	--	< 2	--	--	< 2
Trichloroethene	--	--	--	--	20	--	26	19	48	34	83	37	63	--	--	< 1.0	--	25	--	15	16
Trichlorofluoromethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1
Vinyl Acetate	--	--	--	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0 F2	< 2.0	< 2.0	--	--	< 2.0	--	< 2	--	< 2	< 2
Vinyl Chloride	--	--	--	--	< 0.8	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	7.5	--	8	10
Xylenes (Total)	--	--	--	--	< 3	--	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	--	< 1.0	--	< 3	--	< 1	< 1
Dissolved Gases (µg/L)																					
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																					
Sodium	0.602 J	--	< 1	4.81	4.67	4.72	4.3	4.1	3.8	--	--	--	--	3	2.7	--	9.22	9.22	9.33	8.8	8.6
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)	--	--	--	--	--	--	--	--	--												
Bromide	--	--	--	--	--	--	0.24 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	4.08	--	4.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride	--	--	--	--	--	--	0.073 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	0.124	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	0.363 J	--	< 1	2.23	2.16	1.3	1.6	1.1	1.2	--	--	--	--	0.42 J	0.48 J	--	1.92	2.11	1.94	3.5	1.2
TOC	--	< 1	--	--	0.708 J	--	< 1	--	--	--	--	--	--	--	--	--	--	1.43	--	1	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1
Date	5/7/19	11/20/19	5/28/20	11/18/20	5/11/21	5/23/18	11/19/18	5/13/19	11/20/19	5/28/20	11/11/20	5/11/21	8/15/17	11/7/17	2/14/18	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	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	1.4	< 1.0	< 1.0	--	0.21 J	--	5	5.8	7.4	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	--	--	< 1.0	--	< 1	< 1	--	--	--	< 1.0	--	< 1	--	--	< 1	< 1	< 1.0	--
1,1,2-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	0.55 J	< 1.0	< 1.0
1,1-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.48 J	3.4	< 1	3.2	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethene	1.9	2.7	2.3	2	2.3	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	0.7 J	--	0.86 J	0.98 J	0.89 J	0.69 J	0.92 J
1,1-Dichloropropene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
1,2,3-Trichlorobenzene	< 5	--	--	--	< 5.0	< 5	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 10	< 5	< 5	< 5.0	--
1,2,3-Trichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 5	--	--	--	< 5.0	< 5	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 10	< 5	< 5	< 5.0	--
1,2,4-Trimethylbenzene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
1,2-Dibromo-3-Chloropropane	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	F2	< 5.0	< 5.0	--	< 2	--	< 10	< 5	< 5	< 5.0	< 5.0
1,2-Dibromoethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
1,2-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	1.6	< 1	1.7	< 1.0 F1	< 1.0	< 1.0	--	1	--	1.3 J	0.96 J	1	0.70 J	0.97 J
1,2-Dichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
1,3,5-Trimethylbenzene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
1,3-Dichlorobenzene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
1,3-Dichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	0.77 J	< 1	0.77 J	F2	< 1.0	< 1.0	--	0.51 J	--	< 2	0.6 J	0.66 J	< 1.0	0.57 J
2,2-Dichloropropane	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	F2	< 10	< 10	--	< 10	--	< 20	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	F2	< 10	< 10	--	< 10	--	< 20	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	F2	< 10	< 10	--	< 10	--	< 20	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	F2	< 10	< 10	--	< 10	--	< 20	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	--	< 20	< 20	< 20	F2	< 20	< 20	--	< 10	--	--	< 20	< 20	< 20	< 20
Benzene	0.46 J	0.54 J	0.54 J	0.45 J	0.48 J	< 1	1.7	< 1	1.3	F2	< 1.0	< 1.0	--	1.1	--	1.1 J	0.94 J	1.1	0.69 J	1.1
Bromobenzene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
Bromochloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Bromodichloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Bromoform	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Bromomethane	< 5	< 5.0	< 5.0 * *1	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	F2	< 5.0	< 5.0	--	< 2	--	< 10	< 5	< 5	< 5.0	< 5.0
Carbon Disulfide	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2.0	F2	< 2.0	< 2.0	--	< 1	--	< 4	< 2	< 2	< 2.0	< 2.0
Carbon Tetrachloride	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Chlorobenzene	1.5	1.8	1.8	1.3	1.3	< 1	0.51 J	< 1	0.58 J	F2	< 1.0	< 1.0	--	4.9	--	5.4	5.5	5.8	3.9	5.7
Chloroethane	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	F2	< 5.0	< 5.0	--	0.94 J	--	< 10	< 5	4.3 J	< 5.0	< 5.0
Chloroform	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Chloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 2	--	< 2	< 1	< 1	< 1.0	< 1.0
Cis-1,2-Dichloroethene	5.9 B	8.9	5.9	5.8	6.1	1	13	2.8	18	3	4.5	3.4	--	140	--	130	110	120	110	140

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G42	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT1
Date	5/7/19	11/20/19	5/28/20	11/18/20	5/11/21	5/23/18	11/19/18	5/13/19	11/20/19	5/28/20	11/11/20	5/11/21	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20
Cis-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Dibromochloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Dibromomethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Dichlorodifluoromethane	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 2	--	< 2	< 1	< 1	< 1.0	--
Ethylbenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Hexachlorobutadiene	< 5	--	--	--	< 5.0	< 5	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 10	< 5	< 5	< 5.0	--
Iodomethane	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	F2	< 10 (UJ)	< 10	--	< 2	--	--	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
m,p-Xylene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	< 2	< 1	< 1	0.50 J	--
Methylene Chloride	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	F2	< 5.0	< 5.0	--	< 2	--	< 10	< 5	< 5	< 5.0	< 5.0
MTBE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	F2	< 10	< 10	--	< 1	--	< 20	< 10	< 10	< 10	< 10
Naphthalene	< 5	--	--	--	< 5.0	< 5	< 5	< 5	--	--	--	< 5.0	--	< 2	--	< 10	< 5	< 5	< 5.0	--
N-Butylbenzene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
N-Propylbenzene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
O-Xylene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	< 2	< 1	< 1	< 1.0	--
P-Isopropyltoluene (Cymene)	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
Sec-Butylbenzene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
Styrene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Tert-Butylbenzene	< 1	--	--	--	< 1.0	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	--
Tetrachloroethylene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Toluene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	1.5	--	1 J	0.59 J	0.61 J	0.84 J	2.6
Trans-1,2-Dichloroethene	1.5	2.3	1.5	1.3	1.6	0.75 J	4.9	0.64 J	5.2	F2	1.1	0.59 J	--	14	--	19	17 B (B)	17	14	20
Trans-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	< 2	< 2.0	F2	< 2.0 (UJ)	< 2.0	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0
Trichloroethene	9.2	11	7.7	8.5	6.7	0.55 J	0.82 J	11	0.69 J	9.3	4.6	6.9	--	15	--	47	47	83	43	46
Trichlorofluoromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0
Vinyl Acetate	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0 F2	< 2.0	< 2.0	--	< 2	--	< 4	< 2	< 2	< 2.0	< 2.0
Vinyl Chloride	6.5	7.8	8.4	6.9	7.6	1.9	29	1.4	27	1.8	5.7	2.7	--	4.8	--	6.9	6.7	6.2	4.7	10
Xylenes (Total)	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	F2	< 1.0	< 1.0	--	< 3	--	< 2	< 1	< 1	0.50 J	< 1.0
Dissolved Gases (µg/L)																				
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																				
Sodium	8.1	--	--	--	--	--	--	--	--	--	--	--	84.9	80.1	80.4	85	83	77	--	--
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)													--	--	--	--				
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	69	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.21	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.5	--	--	--	--	--	--	--	--	--	--	--	2.33	3.76	4.32	7.9	4.8	5.1	--	--
TOC	--	--	--	--	--	< 1	--	--	--	--	--	--	--	2.06	--	2.2	--	--	--	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3
Date	11/12/20	5/11/21	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	8/15/17	11/7/17	2/14/18	5/16/18
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1,1-Trichloroethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1,2,2-Tetrachloroethane	< 1.0	1.7	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	1.4	--	1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1.0	--	< 1	--	--	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	--
1,1,2-Trichloroethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1-Dichloroethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1-Dichloroethene	< 1.0	0.86 J	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	0.36 J	--	0.42 J
1,1-Dichloropropene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
1,2,3-Trichlorobenzene	--	< 5.0	--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	--	< 1	--	< 5
1,2,3-Trichloropropane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,2,4-Trichlorobenzene	--	< 5.0	--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	--	< 1	--	< 5
1,2,4-Trimethylbenzene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
1,2-Dibromo-3-Chloropropane	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 5
1,2-Dibromoethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,2-Dichlorobenzene	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,2-Dichloroethane	< 1.0	0.78 J	--	0.8 J	--	0.94 J	0.59 J	0.66 J	< 1.0	0.55 J	0.50 J	< 1.0	--	0.77 J	--	0.78 J
1,2-Dichloropropane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,3,5-Trimethylbenzene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
1,3-Dichlorobenzene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
1,3-Dichloropropane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,4-Dichlorobenzene	< 1.0	0.66 J	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	0.37 J	--	0.48 J
2,2-Dichloropropane	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
2-Butanone (MEK)	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10
2-Chlorotoluene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
2-Hexanone	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10
4-Chlorotoluene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10
Acetone	< 10	< 10	--	< 10	--	< 10	< 10	7 J	< 10	< 10	< 10	< 10	--	6.2 J (UB)	--	< 10
Acrylonitrile	< 20	< 20	--	< 10	--	--	< 20	< 20	< 20	< 20	< 20	< 20	--	< 10	--	--
Benzene	< 1.0	0.95 J	--	0.57 J	--	0.72 J	0.6 J	0.67 J	0.49 J	0.65 J	< 1.0	0.51 J	--	0.79 J	--	0.78 J
Bromobenzene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
Bromochloromethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Bromodichloromethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Bromoform	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Bromomethane	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 5
Carbon Disulfide	< 2.0	< 2.0	--	< 1	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 1	--	< 2
Carbon Tetrachloride	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Chlorobenzene	2.3	6.1	--	2.1	--	2.8	2.3	2.5	1.4	1.6	1.2	< 1.0	--	3.3	--	3.5
Chloroethane	< 5.0	< 5.0	--	0.75 J	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	0.85 J	--	< 5
Chloroform	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Chloromethane	< 1.0	< 1.0	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 1
Cis-1,2-Dichloroethene	31	110	--	49	--	60	44	47	39	43	40	33	--	53	--	48

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G71- PORT1	OLF-G71- PORT1	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3
Date	11/12/20	5/11/21	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	8/15/17	11/7/17	2/14/18	5/16/18
Cis-1,3-Dichloropropene	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Dibromochloromethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Dibromomethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Dichlorodifluoromethane	--	< 1.0	--	< 2	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 2	--	< 1
Ethylbenzene	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Hexachlorobutadiene	--	< 5.0	--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	--	< 1	--	< 5
Iodomethane	< 10	< 10	--	< 2	--	--	< 10	< 10	< 10	< 10	< 10	< 10	--	< 2	--	--
Isopropyl Benzene (Cumene)	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
m,p-Xylene	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1
Methylene Chloride	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 5
MTBE	< 10	< 10	--	< 1	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 1	--	< 10
Naphthalene	--	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	--	< 2	--	< 5
N-Butylbenzene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
N-Propylbenzene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
O-Xylene	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1
P-Isopropyltoluene (Cymene)	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
Sec-Butylbenzene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
Styrene	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Tert-Butylbenzene	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1
Tetrachloroethylene	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Toluene	6.4	0.88 J	--	5.3	--	2.1	1.6	1.3	1	2.4	1.7	2	--	1.2	--	< 1
Trans-1,2-Dichloroethene	9.2	16	--	4.2	--	5.4	4.1	4.2	2.8	3.3	2.5	2.1	--	7.9	--	7.4
Trans-1,3-Dichloropropene	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2.0	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	--
Trichloroethene	10	100	--	12	--	9.7	11	10	5.3	3.4	4.6	2.9	--	47	--	58
Trichlorofluoromethane	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Vinyl Acetate	< 2.0	< 2.0	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	< 2
Vinyl Chloride	2.4	13	--	2	--	2.8	2.4	2.3	1.9	2.5	2	1.9	--	3.8	--	3.8
Xylenes (Total)	< 1.0	< 1.0	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 3	--	< 1
Dissolved Gases (µg/L)																
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)									--	--	--	--				
Sodium	--	--	25.2	26.4	31.4	36	38	35	--	--	--	--	16.9	17.6	17.1	14
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)			--	--	--	--			--	--	--	--	--	--	--	--
Bromide	--	--	--	--	--	0.76 J	--	--	--	--	--	--	--	--	--	0.89 J
Chloride-Cl	--	--	--	--	--	41	--	--	--	--	--	--	--	--	--	55
Fluoride	--	--	--	--	--	0.24	--	--	--	--	--	--	--	--	--	0.19 J
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	6.16	6.16	6.71	9.5	7.3	7.1	--	--	--	--	1.44	1.74	1.72	4.1
TOC	--	--	--	3.61	--	3.5	--	--	--	--	--	--	--	1.62	--	1.6

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	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
Date	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	8/15/17
Volatile Organic Compounds (µg/L)																	
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1,1-Trichloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1,2,2-Tetrachloroethane	0.88 J	0.73 J	< 1.0	< 1.0	< 1.0	< 1.0	--	1.9	--	1.1	0.73 J	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	--	< 1	< 1	< 1.0	--	--	< 1.0	--
1,1,2-Trichloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	0.25 J	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1-Dichloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1-Dichloroethene	0.36 J	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1-Dichloropropene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
1,2,3-Trichlorobenzene	< 5	< 5	< 5.0	--	--	< 5.0	--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	--
1,2,3-Trichloropropane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2,4-Trichlorobenzene	< 5	< 5	< 5.0	--	--	< 5.0	--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	--
1,2,4-Trimethylbenzene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--
1,2-Dibromoethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2-Dichlorobenzene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2-Dichloroethane	0.69 J	0.64 J	0.50 J	0.72 J	< 1.0	0.58 J	--	0.64 J	--	0.62 J	0.56 J	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2-Dichloropropane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,3,5-Trimethylbenzene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
1,3-Dichlorobenzene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
1,3-Dichloropropane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,4-Dichlorobenzene	0.56 J	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
2,2-Dichloropropane	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--
2-Chlorotoluene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--
4-Chlorotoluene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
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	--	< 10	--	--	< 20	< 20	< 20	< 20	< 20	< 20	--
Benzene	0.73 J	0.67 J	0.46 J	0.79 J	< 1.0	0.57 J	--	0.71 J	--	0.62 J	0.52 J	0.44 J	< 1.0	0.48 J	< 1.0	< 1.0	--
Bromobenzene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
Bromochloromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromodichloromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromoform	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromomethane	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--
Carbon Disulfide	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 1	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--
Carbon Tetrachloride	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Chlorobenzene	3.1	2.7	1.7	2.6	1.8	2	--	2.6	--	2.7	2.7	2.3	1.1	1.7	0.28 J	1.4	--
Chloroethane	< 5	3.2 J	< 5.0	< 5.0	< 5.0	< 5.0	--	0.53 J	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--
Chloroform	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Chloromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Cis-1,2-Dichloroethene	31	27	21	29	19	21	--	32	--	34	27	26	17	26	7.9	13	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	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
Date	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	8/15/17
Cis-1,3-Dichloropropene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Dibromochloromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Dibromomethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Dichlorodifluoromethane	< 1	< 1	< 1.0	--	--	< 1.0	--	< 2	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
Ethylbenzene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Hexachlorobutadiene	< 5	< 5	< 5.0	--	--	< 5.0	--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	--
Iodomethane	< 10	< 10	< 10	< 10	< 10	< 10	--	< 2	--	--	< 10	< 10	< 10	< 10	< 10	< 10	--
Isopropyl Benzene (Cumene)	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
m,p-Xylene	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
Methylene Chloride	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--
MTBE	< 10	< 10	< 10	< 10	< 10	< 10	--	< 1	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--
Naphthalene	< 5	< 5	< 5.0	--	--	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	--
N-Butylbenzene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
N-Propylbenzene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
O-Xylene	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
Sec-Butylbenzene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
Styrene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Tert-Butylbenzene	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--
Tetrachloroethylene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Toluene	< 1	< 1	< 1.0	0.64 J	0.99 J	0.96 J	--	11	--	3.6	2.2	1.8	1	1.6	1.4	0.67 J	--
Trans-1,2-Dichloroethene	6.1 B (B)	5.1	3.5	5.2	3.9	3.5	--	2.4	--	2.4	2.3 B (B)	1.6	0.74 J	1.4	1.3	1.2	--
Trans-1,3-Dichloropropene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--
Trichloroethene	54	52	33	49	33	33	--	23	--	25	24	22	3.2	8.2	4.9	7.3	--
Trichlorofluoromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Vinyl Acetate	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--
Vinyl Chloride	4.3	3.6	2.6	4.5	2.7	2.9	--	1.7	--	1.7	2.2	1.6	0.90 J	1.7	1.2	1.7	--
Xylenes (Total)	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Dissolved Gases (µg/L)																	
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																	
Sodium	14	15	--	--	--	--	17.2	17.6	17.7	15	12	13	--	--	--	--	22.7
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)							--	--	--	--							--
Bromide	--	--	--	--	--	--	--	--	--	0.53 J	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	--	32	--	--	--	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	--	0.27	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	2.2	1.4	--	--	--	--	0.331 J	0.738	0.429 J	< 2	< 1	< 1	--	--	--	--	< 0.5
TOC	--	--	--	--	--	--	--	2.04	--	2.2	--	--	--	--	--	--	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 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-G71- PORT5	OLF-G71- PORT5	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1
Date	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
1,1,1-Trichloroethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0
1,1,2,2-Tetrachloroethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	160	55	0.99 J	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F2	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	--	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	--	< 1	< 1	< 1.0	--	< 1.0
1,1,2-Trichloroethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	26	19	3.6	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F1 F2	< 1.0
1,1-Dichloroethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
1,1-Dichloroethene	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	3.5	0.67 J	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0
1,1-Dichloropropene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
1,2,3-Trichlorobenzene	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5.0
1,2,3-Trichloropropane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F2	< 1.0
1,2,4-Trichlorobenzene	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5.0
1,2,4-Trimethylbenzene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
1,2-Dibromo-3-Chloropropane	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0 F2	< 5.0
1,2-Dibromoethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F1 F2	< 1.0
1,2-Dichlorobenzene	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F1 F2	< 1.0
1,2-Dichloroethane	1	--	0.63 J	0.57 J	0.58 J	< 1.0	< 1.0	< 1.0	< 1.0	3.2	7.6	17	11	6.8 F1	5.5 F1 (J)	5.6	6.8	2.1
1,2-Dichloropropane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
1,3,5-Trimethylbenzene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
1,3-Dichlorobenzene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
1,3-Dichloropropane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F1 F2	< 1.0
1,4-Dichlorobenzene	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.52 J	0.32 J	0.41 J	0.47 J	0.79 J F1	< 0.96 (UB)	< 1.0	< 1.0 F1 F2	< 1.0
2,2-Dichloropropane	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
2-Butanone (MEK)	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	85	110	98	47	< 10	16 F2 F1 (J)	10	< 10 F1 F2	< 10
2-Chlorotoluene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
2-Hexanone	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	3.6 J	2.1 J	< 10	< 10 (UJ)	< 10	< 10 F1 F2	< 10
4-Chlorotoluene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
4-Methyl-2-Pentanone (MIBK)	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 F1 F2	< 10
Acetone	< 10	--	7.1 J	< 10	< 10	< 10	< 10	< 10	< 10	16 (UB)	13	15	8.9 J	< 10	7.6 J F2 F1 (J)	22	7.8 J F2	< 10
Acrylonitrile	< 10	--	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20	< 20 (UJ)	< 20	< 20 F1 F2	< 20
Benzene	1.1	--	0.62 J	1.1	0.92 J	0.74 J	1.1	< 1.0	0.97 J	0.87 J	0.7 J	1	1.1	1.2 F1	1.2	0.81 J	0.92 J F2	1.1
Bromobenzene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0
Bromochloromethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F2	< 1.0
Bromodichloromethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F1 F2	< 1.0
Bromoform	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F2	< 1.0
Bromomethane	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0 F2	< 5.0 * F1 F2	< 5.0
Carbon Disulfide	0.24 J	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 1	< 2	< 2	< 1.5 (UB)	< 2.0	< 2.0 F2	< 2.0
Carbon Tetrachloride	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0
Chlorobenzene	1.4	--	0.6 J	0.99 J	1.2	0.63 J	< 1.0	0.40 J	< 1.0	44	29	35	34	55 F1	51 F1	39	40	57
Chloroethane	0.74 J	--	< 5	< 5	2.5 J	< 5.0	< 5.0	< 5.0	< 5.0	0.37 J	0.38 J	0.86 J	< 5	< 5	< 5	2.5 J	3.7 J F2	6.2
Chloroform	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
Chloromethane	0.38 J	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
Cis-1,2-Dichloroethene	14	--	6.7	6.3	9	5.6	6.7	8.4	2.9	460	130	6.8	2.2	0.85 J F1	0.62 J	0.52 J	0.61 J F1 F2	0.44 J

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 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-G71- PORT5	OLF-G71- PORT5	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1	OLF-G72- PORT1
Date	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	11/12/20	5/11/21	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-1,3-Dichloropropene	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F1 F2	< 1.0
Dibromochloromethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F2	< 1.0
Dibromomethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F1 F2	< 1.0
Dichlorodifluoromethane	< 2	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	--	< 1.0
Ethylbenzene	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
Hexachlorobutadiene	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5.0
Iodomethane	< 2	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10 F2	< 10
Isopropyl Benzene (Cumene)	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
m,p-Xylene	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
Methylene Chloride	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	1.6 J	1.5 J	1.2 J	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0 F1 F2	< 5.0
MTBE	< 1	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10 (UJ)	< 10	< 10 F1 F2	< 10
Naphthalene	< 2	--	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5.0
N-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
N-Propylbenzene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
O-Xylene	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
P-Isopropyltoluene (Cymene)	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
Sec-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
Styrene	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
Tert-Butylbenzene	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0
Tetrachloroethylene	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.98 J	0.56 J	0.55 J	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0
Toluene	20	--	2.4	3.2	3.3	1.6	2.4	1.4	1.3	2	1.8	1.7	1.2	0.69 J F1	0.57 J	3	6.7	2.4
Trans-1,2-Dichloroethene	0.53 J	--	< 1	< 1	0.48 J	< 1.0	< 1.0	1.3	< 1.0	46	32	62	18	2.1 F1	1.3 B (UB)	0.82 J	0.81 J F1 F2	0.50 J
Trans-1,3-Dichloropropene	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 F2	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2	--	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2	< 2 (UJ)	< 2.0	< 2.0 F2	< 2.0
Trichloroethene	0.97 J	--	< 1	< 1	1.3	< 1.0	< 1.0	5.8	< 1.0	11	4.6	0.75 J	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
Trichlorofluoromethane	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 F2	< 1.0
Vinyl Acetate	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0 F2	< 2.0
Vinyl Chloride	0.71 J	--	< 1	< 1	0.5 J	< 1.0	< 1.0	1.3	< 1.0	25	26	1.9	0.52 J	< 1	< 1	0.81 J	< 1.0 F2	< 1.0
Xylenes (Total)	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	< 1.0
Dissolved Gases (µg/L)																		
Ethane	--	--	--	--	--	--	--	--	--	5.7	5.3	7.9	15	26	19	25	20	37
Ethene	--	--	--	--	--	--	--	--	--	7.5	56	120	190	250	190	180	47	19
Methane	--	--	--	--	--	--	--	--	--	250	5300	8100	32000	27000	31000	36000	24000	30000
Metals (mg/L)																		
Sodium	29.6	28.4	22	23	25	--	--	--	--	30	39	40.1	34	25	24	--	--	--
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	3	5	3.5	--	--	--	--	--
General Chemistry (mg/L)	--	--	--							--	--	--	--					
Bromide	--	--	0.58 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	40	--	--	--	--	--	--	43.1	65.2	65	53	--	--	--	--	--
Fluoride	--	--	0.29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	0.0664 J	0.096 J	< 0.1	< 0.05	--	--	--	--	--
Sulfate	0.583	0.272 J	< 2	< 1	< 1	--	--	--	--	0.613	0.357 J	0.627	< 2	< 1	< 1 (UJ)	--	--	--
TOC	9.57	--	10	--	--	--	--	--	--	232	322	224	190	97	79	27	16	6.2

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G72- PORT1	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	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
Date	5/11/21	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	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	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1.0	110	52	15 (J)	5.1	< 5	0.76 J	< 1.0	< 1.0	< 1.0	< 1.0	75	21	1.6	1.5	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1.0	< 1	< 1	< 1 (UJ)	--	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	--	< 1
1,1,2-Trichloroethane	< 1.0	18	7.2	3.8 (J)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	27	12	0.87 J	0.5 J	< 1
1,1-Dichloroethane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1.0	3	2.4	2 (J)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	1.5	1.2	< 1	< 1	< 1
1,1-Dichloropropene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5.0	< 1	< 1	< 1 (UJ)	< 25	< 25	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5
1,2,3-Trichloropropane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5.0	< 1	< 1	< 1 (UJ)	< 25	< 25	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5
1,2,4-Trimethylbenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5.0	< 2	< 2	< 2 (UJ)	< 25	< 25	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5
1,2-Dibromoethane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	1.4	3	14	28 (J)	19	7.9	3.7	3.2	2.5	0.65 J	0.51 J	3.9	4.1	3.5	2.3	1.9
1,2-Dichloropropane	< 1.0	< 1	0.21 J	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1.0	0.23 J	0.27 J	0.38 J (J)	< 5	< 5	< 0.8 (UB)	< 1.0	< 1.0	< 1.0	< 1.0	0.59 J	0.5 J	0.51 J	< 1	< 1
2,2-Dichloropropane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	< 10	17	< 10	32 (J)	26 J	33 J	35	11	< 10	5.3 J	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10 (UJ)	< 50	< 50	2.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10 (UJ)	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	10 (UB)	15 (UB UJ)	< 50	< 50	12	< 10	13	< 10	< 10	< 10	< 10	< 10	< 10	18
Acrylonitrile	< 20	< 10	< 10	< 10 (UJ)	--	< 100	< 20	< 20	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20
Benzene	1.3	1.2	1.6	2.1 (J)	< 5	< 5	1.7	1	1.5	1.4	1.8	1.3	1.2	1.2	0.94 J	0.74 J
Bromobenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5.0	< 2	< 2	< 2 (J)	< 25	< 25	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5
Carbon Disulfide	< 2.0	< 1	< 1	0.21 J (J)	< 10	< 10	< 1.2 (UB)	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	0.31 J	< 2	< 2
Carbon Tetrachloride	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	61	19	20	32 (J)	35	36	36	17	31	44	48	35	28	28	23	16
Chloroethane	7	< 2	0.62 J	4.3(J)	< 25	< 25	7.2	5.8	5	4.0 J	3.5 J	0.65 J	0.42 J	0.65 J	< 5	< 5
Chloroform	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1.0	< 2	< 2	< 2 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1
Cis-1,2-Dichloroethene	< 1.0	370	430	450 (J)	410	110	26	4.4	3.7	1.3	1	290	320	63	21	1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G72- PORT1	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	OLF-G72- PORT2	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
Date	5/11/21	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	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18
Cis-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1.0	< 2	< 2	< 2 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1
Ethylbenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5.0	< 1	< 1	< 1 (UJ)	< 25	< 25	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5
Iodomethane	< 10	< 2	< 2	< 2 (UJ)	--	< 50	< 10	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10
Isopropyl Benzene (Cumene)	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
m,p-Xylene	0.36 J	--	--	--	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	--	--	--	< 1	< 1
Methylene Chloride	< 5.0	1.2 J	0.9 J	0.64 J (J)	< 25	< 25	< 5	< 5.0	< 5.0	< 5.0	< 5.0	0.89 J	0.75 J	0.5 J	< 5	< 5
MTBE	< 10	< 1	< 1	< 1 (UJ)	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10
Naphthalene	< 5.0	< 2	< 2	< 2 (UJ)	< 25	< 25	< 5	< 5.0	--	< 5.0	3.6 J (UB)	< 2	< 2	< 2	< 5	< 5
N-Butylbenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
N-Propylbenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
O-Xylene	< 1.0	--	--	--	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	--	--	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Styrene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1.0	0.74 J	0.41 J	0.27 J (J)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.63 J	0.33 J	< 1	< 1	< 1
Toluene	2.7	5.9	9.2	8.3(J)	9.9	10	6.4	6.5	7.9	6.3	7	12	12	9.5	9	3.6
Trans-1,2-Dichloroethene	< 1.0	37	31	29 (J)	27	20	16 B (B)	5.6	4	1.8	1.5	29	25	27	27	17
Trans-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2	< 2	< 2 (UJ)	--	< 10	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2
Trichloroethene	< 1.0	51	28	12 (J)	6.6	3.2 J	1.7	0.61 J	1.9	< 1.0	< 1.0	49	28	12	19	0.95 J
Trichlorofluoromethane	< 1.0	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2.0	< 2	< 2	< 2 (UJ)	< 10	< 10	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1.0	35	18	23 (J)	18	13	4.4	1	< 1.0	< 1.0	< 1.0	22	16	15	6.1	< 1
Xylenes (Total)	0.36 J	< 3	< 3	< 3 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1
Dissolved Gases (µg/L)																
Ethane	52	4.8	2.7	1.7	1.9	< 1.1	5.1	1.9	1.5	9.8	4.4	6.7	7.3	7.2	11	31
Ethene	11	5.8	4.6	5.7	17	30	50	13	4.3	9	4.2	6.4	7.1	54	88	33
Methane	38000	270	12000	9900	21000	21000	21000	19000	10000	21000	15000	170	3100	3600	9000	12000
Metals (mg/L)																
Sodium	--	43.8	46.1	30.5	33	63	42	--	--	--	--	17	24.2	22.2	15	15
Iron (Ferrous)	--	--	3.5	3.6	2.5	--	--	--	--	--	--	--	2	2.2	3	--
General Chemistry (mg/L)		--	--	--	--							--	--	--	--	
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	40.6	38.9	50.2	41	--	--	--	--	--	--	56.4	56.1	57.6	41	--
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	0.0966 J	0.0917 J	< 0.1	< 0.05	--	--	--	--	--	--	< 0.1	< 0.1	< 0.1	< 0.05	--
Sulfate	--	0.452 J	0.512	0.366 J	< 2	< 1	< 1	--	--	--	--	0.284 J	0.42 J	0.579	1.5	< 1
TOC	4.5	240	270	166	180	160	170	67	88	42	53	20	10	6.31	6.5	2

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 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	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT5
Date	5/2/19	11/12/19	5/19/20	11/11/20	5/11/21	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	8/15/17
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1,1-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	100	38	12	2.3	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	6.8
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	--	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
1,1,2-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	40	19	5.3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	5.6
1,1-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,1-Dichloroethene	< 1	< 1.0 *	< 1.0	< 1.0	< 1.0	1.7	0.92 J	0.42 J	< 1	< 1	< 1	< 1.0 *	< 1.0	< 1.0	< 1.0	0.41 J
1,1-Dichloropropene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
1,2,3-Trichlorobenzene	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 1
1,2,3-Trichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,2,4-Trichlorobenzene	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 1
1,2,4-Trimethylbenzene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2
1,2-Dibromoethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,2-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,2-Dichloroethane	1.5	1.2	1.8	1.5	1.3	4.5	10	20	9.7	5.3	0.69 J	1.5	1.7	< 1.0	0.68 J	1.4
1,2-Dichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,3,5-Trimethylbenzene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
1,3-Dichlorobenzene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
1,3-Dichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
1,4-Dichlorobenzene	< 0.67 (UB)	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	0.26 J	< 1	< 1	< 0.56 (UB)	< 1.0	< 1.0	< 1.0	< 1.0	< 1
2,2-Dichloropropane	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	140	63	26	13	14	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	2.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	15 (UB)	330	290	140	260	29	10	23	< 10	< 10	< 10
Acrylonitrile	< 20	< 20 *	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20 *	< 20	< 20	< 20	< 10
Benzene	0.77 J	0.68 J	0.84 J	0.72 J	1.7	0.76 J	0.7 J	0.84 J	0.78 J	0.63 J	0.45 J	0.44 J	< 1.0	< 1.0	0.98 J	< 1
Bromobenzene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
Bromochloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Bromodichloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Bromoform	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Bromomethane	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 2
Carbon Disulfide	< 1.1 (UB)	< 2.0 *	< 2.0	< 2.0	< 2.0	1.4	0.27 J	0.43 J	< 2	< 2	< 1.2 (UB)	< 2.0 *	< 2.0	< 2.0	< 2.0	< 1
Carbon Tetrachloride	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Chlorobenzene	16	12	13	11	11	15	18	24	25	15	16	9.5	6.5	7.6	5.5	3.1
Chloroethane	3.3 J	2.7 J	< 5.0	< 5.0	< 5.0	0.54 J	0.52 J	2.8	5.7 *	7.3	< 5	2.5 J	< 5.0	< 5.0	< 5.0	< 2
Chloroform	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Chloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2
Cis-1,2-Dichloroethene	5.3	1.5	0.55 J	0.57 J	0.70 J	220	180	140	65	16	1.2	0.80 J	1.3	< 1.0	0.54 J	98

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 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	OLF-G72- PORT4	OLF-G72- PORT4	OLF-G72- PORT5
Date	5/2/19	11/12/19	5/19/20	11/11/20	5/11/21	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	8/15/17
Cis-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Dibromochloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Dibromomethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Dichlorodifluoromethane	< 1	< 1.0	--	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 2
Ethylbenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Hexachlorobutadiene	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 1
Iodomethane	< 10	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 2
Isopropyl Benzene (Cumene)	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
m,p-Xylene	< 1	< 1.0	--	< 1.0	< 1.0	--	--	--	< 1	< 1	0.43 J	< 1.0	--	< 1.0	< 1.0	--
Methylene Chloride	< 5	< 5.0	< 5.0	< 5.0	< 5.0	1.8 J	1.1 J	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	0.52 J
MTBE	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1
Naphthalene	< 5	< 5.0	--	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 2
N-Butylbenzene	< 0.52 (UB)	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
N-Propylbenzene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
O-Xylene	< 1	< 1.0	--	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
P-Isopropyltoluene (Cymene)	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
Sec-Butylbenzene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
Styrene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Tert-Butylbenzene	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1
Tetrachloroethylene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.58 J	0.74 J	0.43 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Toluene	1.4	2.3	7.6	5.9	3.9	7.5	9.2	12	16	18	7.3	8.2	8.1	0.95 J	1.6	13
Trans-1,2-Dichloroethene	11 B (B)	8.6	2.9	1.4	1.2	18	12	14	13	5	3.3 B (UB)	2.2	1.5	1.2	0.61 J	5.1
Trans-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2
Trichloroethene	17	7.8	< 1.0	0.50 J	< 1.0	100	70	28	10	1.9	1.5	< 1.0	< 1.0	< 1.0	< 1.0	12
Trichlorofluoromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1
Vinyl Acetate	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2
Vinyl Chloride	1.9	0.73 J	0.67 J	< 1.0	< 1.0	22	13	12	5.9	2.4	0.58 J	< 1.0	1.4	< 1.0	< 1.0	2.3
Xylenes (Total)	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1	0.43 J	< 1.0	< 1.0	< 1.0	< 1.0	< 3
Dissolved Gases (µg/L)																
Ethane	26	28	47	41	51	5.7	3.6	0.94 J	1.2	1.4	3.5	1.4	2	1.4	1.4	1.2 J
Ethene	23	22	14	14	14	6.6	4	13	22	10	7.5	< 1.0	2.4	< 1.0	< 1.0	2.5
Methane	16000	14000	15000	14000	17000	240	11000	7300	19000	20000	20000	21000	18000	17000	28000	160
Metals (mg/L)																
Sodium	22	--	--	--	--	52.7	80.8	60.9	60	57	36	--	--	--	--	37.2
Iron (Ferrous)	--	--	--	--	--	--	4	5.7	2.5	--	--	--	--	--	--	--
General Chemistry (mg/L)						--	--	--	--							--
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	--	32.1	39.8	37.1	31	--	--	--	--	--	--	14.6
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	--	< 0.1	0.163	< 0.1	< 0.05	--	--	--	--	--	--	< 0.1
Sulfate	2.6	--	--	--	--	0.759	0.601	0.719	< 1	< 1	< 1	--	--	--	--	1.06
TOC	1.8	2.4	4.7	2.7	4.7	630	609	179	160	51	26	19	13	11	10	7.26

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	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	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6
Date	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	11/11/2020	5/11/2021	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,1,2,2-Tetrachloroethane	1.2	0.28 J	< 1	< 1	< 1	< 1.0	< 1.0	1.0	< 1.0	8.3	3.4	2.1	0.75 J	< 1	< 1	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	--	< 1	< 1	< 1.0
1,1,2-Trichloroethane	3.5	0.49 J	0.34 J	0.33 J	0.48 J	< 1.0	< 1.0	< 1.0	< 1.0	1.7	1.1	0.9 J	0.68 J	0.69 J	0.47 J	0.47 J
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,1-Dichloroethene	0.35 J	0.34 J	< 1	< 1	< 1	< 1.0 *	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0 *
1,1-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,2,3-Trichlorobenzene	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,2,4-Trichlorobenzene	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,2-Dibromo-3-Chloropropane	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,2-Dichloroethane	2.9	3.2	1.8	2.2	0.61 J	0.90 J	< 1.0	0.68 J	< 1.0	0.33 J	0.7 J	0.48 J	< 1	0.54 J	< 1	< 1.0
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
2,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	7.4 J (UB)	16	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	21
Acrylonitrile	< 10	< 10	--	< 20	< 20	< 20 *	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20 *
Benzene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
Bromobenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
Bromomethane	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0
Carbon Disulfide	< 1	< 1	< 2	< 2	< 2	< 2.0 *	< 2.0	< 2.0	< 2.0	< 1	< 1	< 1	< 2	< 2	< 2	< 2.0 *
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
Chlorobenzene	3.2	3.5	1.8	1.7	1.5	1.1	1.2	0.64 J	< 1.0	1.2	0.87 J	0.88 J	0.65 J	0.8 J	0.71 J	0.66 J
Chloroethane	< 2	0.35 J	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0
Chloromethane	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0
Cis-1,2-Dichloroethene	91	92	65	46	6.7	7.8	7.9	6.7	2.3	21	24	24	10	19	5.8	9.2

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	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	OLF-G72- PORT5	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6	OLF-G72- PORT6
Date	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	11/11/2020	5/11/2021	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Dichlorodifluoromethane	< 2	< 2	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Hexachlorobutadiene	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	
Iodomethane	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
m,p-Xylene	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	
Methylene Chloride	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	
MTBE	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	
Naphthalene	< 2	< 2	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	
N-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
N-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
O-Xylene	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Styrene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	0.26 J	0.26 J	< 1	< 1	< 1	< 1.0	
Toluene	15	7.8	0.92 J	2.7	0.82 J	3.4	5	4.7	0.97 J	1.6	3.4	2.5	< 1	1.3	< 1	2.2	
Trans-1,2-Dichloroethene	4	4	3.2	2.6	1.9 B (UB)	1.9	1.8	1.6	1.3	3.4	2.4	2.4	2	2.1	1.3 B (UB)	1.6	
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Trans-1,4-Dichloro-2-Butene	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2	< 2	< 2.0	
Trichloroethene	2.6	6.2	9.9	8.7	22	8.8	14	7.2	14	64	41	42	47	40	29	27	
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	
Vinyl Chloride	2	2.5	1.3	1.8	2.2	1.1	1.3	0.56 J	0.94 J	0.86	0.46 J	0.53 J	< 1	0.59 J	< 1	< 1.0	
Xylenes (Total)	< 3	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1	< 1	< 1.0	
Dissolved Gases (µg/L)																	
Ethane	1.4 J	0.75 J	1.3	1.8	0.72 J	4	4	3.9	3.2	< 1.5	< 1.5	< 1.5	< 1.1	< 1.1	< 1.1	2.1	
Ethene	3.6	2	6.7	9.5	5.4	13	6.1	7.1	5.9	< 1.5	< 1.5	< 1.5	0.8 J	1.5	0.73 J	3.2	
Methane	4400	13000	23000	17000	9200	14000	9200	8000	8900	120	1500	3000	1200	6100	1100	7000	
Metals (mg/L)																	
Sodium	41.7	38	27	26	17	--	--	--	--	4.62	4.56	4.46	4.3	3.4	4	--	
Iron (Ferrous)	2.5	1.6	1.5	--	--	--	--	--	--	--	0.5	0.2	1	--	--	--	
General Chemistry (mg/L)	--	--	--							--	--	--	--				
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chloride-Cl	15.3	20.8	9.7	--	--	--	--	--	--	11.5	9.47	10.5	6.9	--	--	--	
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Nitrate-N	< 0.1	< 0.1	< 0.05	--	--	--	--	--	--	< 0.1	< 0.1	< 0.1	< 0.05	--	--	--	
Sulfate	1.26	0.69	4.9	2.6	11	--	--	--	--	11.8	9.07	13	13	7.9	14	--	
TOC	22.8	3.46	1.1	1.3	0.79 J	1.7	1.1	1.3	1.7	2.44	5.38	1.24	0.61 J	0.9 J	< 1	0.57 J	

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G72- PORT6	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- PORT2	OLF-G73- PORT2	OLF-G73- PORT2
Date	5/19/20	11/11/20	5/11/21	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	8/14/17	11/8/17	2/20/18
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1.0	21	< 1.0	110	6.5	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	92	50	9.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1.0	< 1.0	< 1	< 1	< 1	--	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	19	5.1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	7.9	4.3	0.72 J
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
1,1-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.59 J	0.59 J	< 1
1,1-Dichloropropene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	0.34 J B	< 1.0	--	--	< 1.0	< 1	< 1	< 1
1,2,3-Trichlorobenzene	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 1
1,2,3-Trichloropropane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
1,2,4-Trichlorobenzene	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 1
1,2,4-Trimethylbenzene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2
1,2-Dibromoethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.43 (UB)	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	1.4	1.9	1.3	1.7	1.4	1.5	1.1	1.4	1.3	2.2	0.46 J	0.64 J	0.77 J
1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.47 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
1,3-Dichlorobenzene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.54 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
1,3-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1.0	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	0.50 J	< 1	< 1	< 1
2,2-Dichloropropane	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0 *	--	--	< 1.0	< 1	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	4.1 J	4.2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.49 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 **1	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	5.4 J (UB)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 10	< 10
Benzene	< 1.0	< 1.0	< 1.0	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	< 1	0.34 J	0.41 J
Bromobenzene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1
Bromochloromethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1	< 1	< 1
Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Bromoform	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Bromomethane	< 5.0 *	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 5.0	< 5.0	< 2	< 2	< 2
Carbon Disulfide	< 2.0	< 2.0	< 2.0	< 1	< 1	< 1	< 2	< 2	< 2.2 (UB)	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 1
Carbon Tetrachloride	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Chlorobenzene	0.27 J	< 1.0	< 1.0	17	19	23	40	61	68	61	58	69	80	3.7	9.4	14
Chloroethane	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	6	7.8	8.9	7.5	19	< 2	< 2	< 2
Chloroform	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Chloromethane	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2
Cis-1,2-Dichloroethene	2.5	3.3	5.1	31	3.3	< 1	< 1	< 1	< 0.46 (UB)	< 1.0	< 1.0	< 1.0	< 1.0	130	180	57

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G72- PORT6	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- PORT2	OLF-G73- PORT2	OLF-G73- PORT2
Date	5/19/20	11/11/20	5/11/21	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	8/14/17	11/8/17	2/20/18
Cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Dibromomethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Dichlorodifluoromethane	--	< 1.0	< 1.0	0.48 J	0.37 J	0.4 J	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 2	< 2	< 2
Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Hexachlorobutadiene	--	< 5.0	< 5.0	< 1	< 1	< 1	< 5	< 5	< 2.9 (UB)	< 5.0	--	--	< 5.0	< 1	< 1	< 1
Iodomethane	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 2	< 2
Isopropyl Benzene (Cumene)	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.44 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
m,p-Xylene	--	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--
Methylene Chloride	< 5.0	< 5.0	< 5.0	0.78 J	0.8 J	0.8 J	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2
MTBE	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1
Naphthalene	--	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 2	< 2	< 2
N-Butylbenzene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.99 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
N-Propylbenzene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.49 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
O-Xylene	--	< 1.0	< 1.0	--	--	--	< 1	< 1	< 0.3 (UB)	< 1.0	--	--	< 1.0	--	--	--
P-Isopropyltoluene (Cymene)	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.54 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
Sec-Butylbenzene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.61 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
Styrene	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Tert-Butylbenzene	--	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 0.62 (UB)	< 1.0	--	--	< 1.0	< 1	< 1	< 1
Tetrachloroethylene	< 1.0	< 1.0	< 1.0	0.57 J	0.23 J	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	1.1	0.68 J	0.22 J
Toluene	< 1.0	0.53 J	0.80 J	3	2	0.31 J	< 1	< 1	1.1	2.7	1.9	4.5	4	2.4	1	0.26 J
Trans-1,2-Dichloroethene	< 1.0	0.70 J	0.89 J	67	71	1.4	0.52 J	< 1	1 B	< 1.0	< 1.0	< 1.0	< 1.0	12	20	39
Trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2
Trichloroethene	17	16	14	4.8	1.3	0.24 J	< 1	< 1	< 2 (UB)	< 1.0	< 1.0	< 1.0	< 1.0	98	52	25
Trichlorofluoromethane	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1
Vinyl Acetate	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2
Vinyl Chloride	< 1.0	< 1.0	< 1.0	16	1.6	0.31 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	3.2	9.4	7
Xylenes (Total)	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1	< 0.3 (UB)	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3
Dissolved Gases (µg/L)																
Ethane	3.6 H (J)	0.56 J	2.8	1.1 J	1.2 J	3.6	9.2	11	21	< 1.1	65	90	53	< 1.5	1 J	2.7
Ethene	3.7 H (J)	2.3	1.9	89	99	200	330	300	280	2.4	86	75	60	< 1.5	7	28
Methane	860 H (J)	960	4000	280	5600	5100	13000	9600	13000	190	13000	14000	13000	390	310	920
Metals (mg/L)																
Sodium	--	--	--	15.3	16	13.5	7.5	12	12	--	--	--	--	8	8.7	8.62
Iron (Ferrous)	--	--	--	--	2	7	2.5	--	--	--	--	--	--	--	0.5	1
General Chemistry (mg/L)				--	--	--	--							--	--	--
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	30.7	29.2	35.1	20	--	--	--	--	--	--	28.2	35.5	34
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	< 0.1	< 0.1	< 0.1	< 0.05	--	--	--	--	--	--	< 0.1	< 0.1	< 0.1
Sulfate	--	--	--	0.591	0.461 J	0.287 J	1.2	< 1	< 1	--	--	--	--	1.31	0.788	0.49 J
TOC	0.63 J	0.84 J	1.2	54.2	65	32.6	0.73 J	12	8.8	5.1	2.1	1.6	1.6	0.877 J	1.47	0.983 J

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	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
Date	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	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
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	23 (J)	28	37	< 1	7.8	3.1	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	--	< 1	< 1	< 1.0	--	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	3.1 J	2.8	3	< 1	1.2	0.96 J	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 0.45 (UB)	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
1,2,3-Trichlorobenzene	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 5	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 5	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	0.62 J	1.1	0.58 J	0.82 J	< 1.0	< 1.0	< 1.0	< 5	0.28 J	0.27 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1	< 1	< 0.59 (UB)	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	< 1	< 1	< 1	< 1.0 *	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0 *	--	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10
4-Chlorotoluene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10 **1	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10 **1	< 10
Acetone	< 10	< 10	< 10	11	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	11	< 10
Acrylonitrile	--	< 20	< 20	< 20	< 20	< 20	< 20	< 50	< 10	< 10	--	< 20	< 20	< 20	< 20	< 20
Benzene	< 1	0.45 J	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromobenzene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
Bromochloromethane	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0
Bromodichloromethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromoform	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromomethane	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 5.0	< 5.0	< 10	< 2	< 2	< 5 *	< 5	< 5	< 5.0	< 5.0 *1	< 5.0
Carbon Disulfide	< 2	< 2	< 1.6 (UB)	< 2.0	< 2.0	< 2.0	< 2.0	< 5	< 1	< 1	< 2	< 2	< 1.3 (UB)	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Chlorobenzene	7.8	19	8.1	18	4.7	18	5.8	< 5	0.27 J	0.51 J	< 1	1.4	1.9	1.3	0.53 J	1.9
Chloroethane	< 5	2.9 J	< 5	4.4 J	< 5.0	2.7 J	6.1	< 10	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Chloroform	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Chloromethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Cis-1,2-Dichloroethene	19	2	< 1.2 (UB)	1.3	0.78 J	1	0.81 J	12	25	49	1.1	38	28 B (B)	27	27	12

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	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
Date	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	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
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dibromochloromethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dibromomethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 10	< 2	< 2	< 1	< 1	< 1	< 1.0	--	--
Ethylbenzene	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 5	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--
Iodomethane	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
m,p-Xylene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--
Methylene Chloride	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 10	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
MTBE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 5	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 10	< 2	< 2	< 5	< 5	< 5	< 5.0	--	--
N-Butylbenzene	< 1	< 1	< 0.53 (UB)	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
N-Propylbenzene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
O-Xylene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
Sec-Butylbenzene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
Styrene	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--
Tetrachloroethylene	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	0.88 J	0.79 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Toluene	< 1	< 1	< 1	2.4	3.3	0.84 J	16	< 5	< 1	< 1	0.67 J	< 1	< 1	1.8	3.2	< 1.0
Trans-1,2-Dichloroethene	23	7.9	< 2.5 (UB)	6	1.9	4.4	2.4	3.9 J	4.3	6.1	< 1	8.4	< 6.3 (UB)	7	5.8	5.8
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0
Trichloroethene	15	2.9	3.5 B (B)	3.7	1.6	3.8	< 1.0	100	130	150	7.7	89	61 B (B)	33	13	39
Trichlorofluoromethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 5	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Vinyl Acetate	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 10	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0
Vinyl Chloride	4.1	0.81 J	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 4	< 0.8	0.85	< 1	2.4	2.8	5.6	3.2	2.4
Xylenes (Total)	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 15	< 3	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dissolved Gases (µg/L)																
Ethane	2.2	31	10	< 1.1	6.4	13	9.9	< 1.5	< 1.5	< 1.5	0.57 J	0.84 J	2.3	< 1.1	2.5	3.2
Ethene	12	2	< 1	< 1.0	1.1	3.9	12	2.9	2	2.1	3.6	3	4.4	0.90 J	10	4.2
Methane	1600	6200	2800	< 0.58	1600	4600	8200	440	310	420	1300	1900	10000	430	8600	6100
Metals (mg/L)																
Sodium	14	8	7.9	--	--	--	--	52.3	47.5	36.5	45	46	42	--	--	--
Iron (Ferrous)	0	--	--	--	--	--	--	--	1.5	2	1	--	--	--	--	--
General Chemistry (mg/L)	--							--	--	--	--					
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	31	--	--	--	--	--	--	18.2	19.3	21.6	16	--	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	< 0.05	--	--	--	--	--	--	0.0943 J	0.122	0.103	0.052	--	--	--	--	--
Sulfate	< 1	< 1	3.4	--	--	--	--	16	10.5	10	8.9	6.5	8.9	--	--	--
TOC	28	< 1	< 1	1.1	0.82 J	1.6	2.3	1.33	5.04	1	1.2	< 1	0.89 J	1.6	2.9	1.1

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G73- PORT3	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	5/10/21	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	8/14/17	11/8/17	2/20/18	5/16/18	11/13/18
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1.0	4.1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1.0	< 1	< 1	< 1	--	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	--	< 1
1,1,2-Trichloroethane	< 1.0	1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 1	< 5	< 5
1,2,3-Trichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 1	< 5	< 5
1,2,4-Trimethylbenzene	< 1.0	0.33 J	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5
1,2-Dibromoethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0 *	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1
2-Butanone (MEK)	< 10	7.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1
2-Hexanone	< 10	4.7 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 * *1	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	41	< 10	< 10	< 10	< 10	< 10	< 10	9.2 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20
Benzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromochloromethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5
Carbon Disulfide	< 2.0	< 1	< 1	< 1	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 1	< 2	< 2
Carbon Tetrachloride	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	2.4	0.25 J	< 1	< 1	< 1	< 1	0.31 J H	0.31 J	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	0.69 J
Chloroethane	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5
Chloroform	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1
Cis-1,2-Dichloroethene	9.8	5.1	1.4	1.3	1.1	0.98 J	1.1 H	1.6	1.9	0.85 J	1.1	< 1	< 1	< 1	< 1	0.77 J

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G73- PORT3	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- PORT4	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5
Date	5/10/21	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	8/14/17	11/8/17	2/20/18	5/16/18	11/13/18	
Cis-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	
Dibromochloromethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	
Dibromomethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	
Dichlorodifluoromethane	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 2	< 2	< 2	< 1	< 1	
Ethylbenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	
Hexachlorobutadiene	< 5.0	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 1	< 1	< 5	< 5
Iodomethane	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	
Isopropyl Benzene (Cumene)	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylene	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	
Methylene Chloride	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 2	< 5	< 5
MTBE	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	
Naphthalene	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 2	< 2	< 2	< 2	< 5	< 5
N-Butylbenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
N-Propylbenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
O-Xylene	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	--	--	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
Toluene	< 1.0	3.1	1.7	1	0.73 J	0.58 J	< 1	0.71 J	0.59 J	< 1.0	< 1.0	0.41 J	0.26 J	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	5.1	1.1	0.32 J	0.28 J	< 1	< 1	< 1	0.38 J	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	--	< 2
Trichloroethene	30	7.5	9.8	9.7	6.6	5.3	6.2 H	3.5	1.6	4.7	2.8	< 1	< 1	< 1	< 1	< 1	0.53 J
Trichlorofluoromethane	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	1.7	< 0.8	< 0.8	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1
Xylenes (Total)	< 1.0	1 J	< 3	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 3	< 1	< 1
Dissolved Gases (µg/L)																	
Ethane	3.2	2.7	1.7	1.5 J	1.4	1 J	1.8	< 1.1	0.81 J	< 1.1	< 1.1	< 1.5	< 1.5	< 1.5	< 1.5	< 1.1	< 1.1
Ethene	12	2.9	2	1.8	1.9	2.8	12	< 1.0	5.2	1	3.2	< 1.5	< 1.5	< 1.5	< 1.5	< 1	3.5
Methane	4800	590	400	470	660	2300	3300	< 390	4300	640	2200	520	340	160	350	740	
Metals (mg/L)																	
Sodium	--	29.9	87.7	75.1	82	33	62	--	--	--	--	5.67	4.67	4.19	3.8	27	
Iron (Ferrous)	--	--	0.5	0	1	--	--	--	--	--	--	--	0.5	2.5	1	--	
General Chemistry (mg/L)		--	--	--	--							--	--	--	--		
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.5	--	
Chloride-Cl	--	22.1	7.63	8.35	5.5	--	--	--	--	--	--	6.78	6.06	7.28	4.9	--	
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.2	--	
Nitrate-N	--	< 0.1	0.0627 J	< 0.1	< 0.05	--	--	--	--	--	--	0.104	0.173	0.174	--	--	
Sulfate	--	13.4	20.5	24.3	21	16	22	--	--	--	--	16	15.6	19.1	16	2	
TOC	1.2	1.78	3.26	10.6	1	0.7 J	0.76 J	1.5	1.7	1.1	0.94 J	0.647 J	0.745 J	< 1	< 1	16	

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	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	OLF-G74- PORT1	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2
Date	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	8/11/17	11/7/17	2/13/18	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21	8/11/17
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1,1-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1,2,2-Tetrachloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	3.4	4	3.3 H	3	2.8	28	19	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1.0	--	--	< 1.0	--	--	--	--	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
1,1,2-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	1.2	1	--
1,1-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1-Dichloroethene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	0.42 J	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1-Dichloropropene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
1,2,3-Trichlorobenzene	< 5	< 5.0	--	--	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	--
1,2,3-Trichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2,4-Trichlorobenzene	< 5	< 5.0	--	--	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	--
1,2,4-Trimethylbenzene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
1,2-Dibromo-3-Chloropropane	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--
1,2-Dibromoethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	0.61 J	< 1.0	--
1,2-Dichloropropane	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	--
1,3,5-Trimethylbenzene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
1,3-Dichlorobenzene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
1,3-Dichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,4-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
2,2-Dichloropropane	< 1	< 1.0 *	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0 *	--	< 1.0	< 1.0	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--
2-Chlorotoluene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
2-Hexanone	< 10	< 10	< 10 *	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	--
4-Chlorotoluene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10 **1	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10 **1	< 10	< 10	--
Acetone	< 10	< 10	10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	45	7.5 J	7.8 J	--
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	--	--	--	--	< 20	< 20	< 20	< 20	< 20	< 20	--
Benzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromobenzene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	--
Bromochloromethane	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	--
Bromodichloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromoform	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromomethane	< 5	< 5.0	< 5.0 *1	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 5.0	< 5.0	--
Carbon Disulfide	< 2	1.2 J	< 2.0	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--
Carbon Tetrachloride	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Chlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	6.1	6.6	--
Chloroethane	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0	4.0 J	5.5	--
Chloroform	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Chloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Cis-1,2-Dichloroethene	< 1	0.44 J	0.90 J	< 1.0	< 1.0	--	--	--	1.7	1.9	1.8 H	2.1	3.5	54	40	--

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	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	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT2	OLF-G74- PORT2	OLF-G74- PORT2
Date	5/1/19	11/11/19	5/18/20	11/10/20	5/10/21	8/11/17	11/7/17	2/13/18	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20	5/10/21	8/11/17	
Cis-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Dibromochloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Dibromomethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Dichlorodifluoromethane	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
Ethylbenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Hexachlorobutadiene	< 5	< 5.0	--	--	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 5.0	--
Iodomethane	< 10	< 10	< 10	< 10	< 10	--	--	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--
Isopropyl Benzene (Cumene)	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
m,p-Xylene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
Methylene Chloride	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	--
MTBE	< 10	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--
Naphthalene	< 5	< 5.0	--	--	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	--	< 5.0	< 5.0	< 5.0	--
N-Butylbenzene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
N-Propylbenzene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
O-Xylene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
P-Isopropyltoluene (Cymene)	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
Sec-Butylbenzene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
Styrene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Tert-Butylbenzene	< 1	< 1.0	--	--	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0	< 1.0	< 1.0	--
Tetrachloroethylene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Toluene	< 1	0.64 J	0.85 J	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	0.52 J	9.8	4.7	6.9	6.9	--
Trans-1,2-Dichloroethene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	0.48 J *	0.56 J B (B)	0.48 J H	0.63 J	0.40 J	32	29	29	--
Trans-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Trans-1,4-Dichloro-2-Butene	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	--	--	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	--
Trichloroethene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	2.4	2.5	2.6 H	2.7	1.3	58	49	49	--
Trichlorofluoromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Vinyl Acetate	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	--
Vinyl Chloride	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	4.7	4.9	--
Xylenes (Total)	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	--
Dissolved Gases (µg/L)																	
Ethane	0.59 J	< 1.1	< 1.1	< 1.1	< 1.1	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	0.71 J	< 1.0	4.2	0.51 J	2.4	--	--	--	--	--	--	--	--	--	--	--	--
Methane	220	< 0.58	4000	560	1800	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																	
Sodium	3.5	--	--	--	--	1.57	1.48	1.59	1.2	0.990 J	1.1	--	--	--	--	--	7.61
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)																	
Bromide	--	--	--	--	--	--	--	--	< 0.5	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	1.9	--	--	--	--	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	0.074 J	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	15	--	--	--	--	1.07	1.27	0.819	1.1	< 1	0.52 J	--	--	--	--	--	1.49
TOC	< 1	0.63 J	1.9	0.95 J	1	--	--	--	< 1	< 1	< 1	< 1.0	4.2	1.4	1.8	1.8	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	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	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3
Date	11/7/17	2/13/18	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	8/11/17	11/7/17	2/13/18	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	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	--	--	160	89	39 H	19	7	--	--	--	1.6	2.5	< 1	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	< 1	< 1	< 1.0	--	--	--	--	--	< 1	< 1	< 1.0	--	< 1.0
1,1,2-Trichloroethane	--	--	7.8	9	2.3 H	1	< 1.0	--	--	--	0.67 J	1	< 1	0.59 J	< 1.0	< 1.0
1,1-Dichloroethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	--	--	< 5	0.46 J	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
1,2,3-Trichlorobenzene	--	--	< 25	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--	< 5.0
1,2,3-Trichloropropane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	--	--	< 25	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--	< 5.0
1,2,4-Trimethylbenzene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
1,2-Dibromo-3-Chloropropane	--	--	< 25	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	--	--	< 5	0.5 J	0.53 J H	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	--	--	< 5	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0
1,3,5-Trimethylbenzene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
1,3-Dichlorobenzene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
1,3-Dichloropropane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	--	--	< 5	< 1	< 1	< 1.0 *	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
2-Butanone (MEK)	--	--	< 50	7.5 J	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
2-Hexanone	--	--	< 50	< 10	< 10	< 10	< 10 *	--	--	--	< 10	< 10	< 10	< 10	< 10 *	< 10
4-Chlorotoluene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
4-Methyl-2-Pentanone (MIBK)	--	--	< 50	< 10	< 10	< 10	< 10 **1	--	--	--	< 10	< 10	< 10	< 10	< 10 **1	< 10
Acetone	--	--	< 50	< 10	< 10	< 10	69	--	--	--	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	--	--	--	< 20	< 20	< 20	< 20	--	--	--	--	< 20	< 20	< 20	< 20	< 20
Benzene	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromobenzene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
Bromochloromethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0
Bromodichloromethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromoform	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Bromomethane	--	--	< 25	< 5	< 5	< 5.0	< 5.0 *1	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 5.0
Carbon Disulfide	--	--	< 10	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Chlorobenzene	--	--	< 5	2.7	4.3 H	4	2.7	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Chloroethane	--	--	< 25	< 5	2.8 J H	4.0 J	3.3 J	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
Chloroform	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Chloromethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Cis-1,2-Dichloroethene	--	--	140	140	100 H	91	90	--	--	--	4.8	13	3.7 H	7.7	3.7	3.5

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	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	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3
Date	11/7/17	2/13/18	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	8/11/17	11/7/17	2/13/18	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20	11/11/20
Cis-1,3-Dichloropropene	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dibromochloromethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dibromomethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
Ethylbenzene	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	--	--	< 25	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--	< 5.0
Iodomethane	--	--	--	< 10	< 10	< 10	< 10	--	--	--	--	< 10	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
m,p-Xylene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
Methylene Chloride	--	--	< 25	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0
MTBE	--	--	< 50	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10	< 10
Naphthalene	--	--	< 25	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--	< 5.0
N-Butylbenzene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
N-Propylbenzene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
O-Xylene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
P-Isopropyltoluene (Cymene)	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
Sec-Butylbenzene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
Styrene	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	< 1.0
Tetrachloroethylene	--	--	< 5	0.82 J	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Toluene	--	--	< 5	< 1	< 1	1.4	10	--	--	--	< 1	< 1	< 1	0.77 J	< 1.0	< 1.0
Trans-1,2-Dichloroethene	--	--	36	57 B (B)	47 H	49	39	--	--	--	1.7 *	3.4 B (B)	0.69 J H	1.7	0.52 J	0.48 J
Trans-1,3-Dichloropropene	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	--	--	--	< 2	< 2	< 2.0	< 2.0	--	--	--	--	< 2	< 2	< 2.0	< 2.0	< 2.0
Trichloroethene	--	--	100	76	76 H	53	23	--	--	--	74	98	35 H	44	17	22
Trichlorofluoromethane	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Vinyl Acetate	--	--	< 10	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0
Vinyl Chloride	--	--	16	25	14 H	11	6.6	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Xylenes (Total)	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0
Dissolved Gases (µg/L)																
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																
Sodium	7.92	7.77	7.9	6.1	7.8	--	--	3.79	3.99	4.17	3.4	2.9	3.3	--	--	--
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)	--	--	--						--	--	--					
Bromide	--	--	0.29 J	--	--	--	--	--	--	--	0.23 J	--	--	--	--	--
Chloride-Cl	--	--	17	--	--	--	--	--	--	--	9.4	--	--	--	--	--
Fluoride	--	--	0.16	--	--	--	--	--	--	--	0.18	--	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	1.18	0.932	1.4	0.48 J	0.62 J	--	--	12.3	11.5	10.1	12	7.9	12	--	--	--
TOC	--	--	0.65 J	< 1	0.54 J	0.56 J	3.7	--	--	--	0.53 J	< 1	< 1	< 1.0	1.1	0.82 J

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G74- PORT3	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	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
Date	5/10/21	8/11/17	11/7/17	2/13/18	11/12/18	5/1/19	11/11/19	5/18/20	8/11/17	11/7/17	2/13/18	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,1,2-Trichloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloropropene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,2,3-Trichlorobenzene	< 5.0	--	--	--	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--
1,2,3-Trichloropropane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 5.0	--	--	--	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--
1,2,4-Trimethylbenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,2-Dibromo-3-Chloropropane	< 5.0	--	--	--	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0
1,2-Dibromoethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichloropropane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0 *
1,3,5-Trimethylbenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,3-Dichlorobenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,3-Dichloropropane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
2,2-Dichloropropane	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0 *	--
2-Butanone (MEK)	< 10	--	--	--	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
2-Hexanone	< 10	--	--	--	< 10	< 10	< 10	< 10 *	--	--	--	< 10	< 10	< 10	< 10	< 10 *
4-Chlorotoluene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
4-Methyl-2-Pentanone (MIBK)	< 10	--	--	--	< 10	< 10	< 10	< 10 **1	--	--	--	< 10	< 10	< 10	< 10	< 10 **1
Acetone	< 10	--	--	--	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	--	--	--	< 20	< 20	< 20	< 20	--	--	--	--	< 20	< 20	< 20	< 20
Benzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromobenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Bromochloromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0 *
Bromodichloromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromoform	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromomethane	< 5.0	--	--	--	< 5	< 5	< 5.0	< 5.0 *1	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0 *1
Carbon Disulfide	< 2.0	--	--	--	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0	< 2.0
Carbon Tetrachloride	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Chlorobenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Chloroethane	< 5.0	--	--	--	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0
Chloroform	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Chloromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Cis-1,2-Dichloroethene	4.7	--	--	--	1.5	1.2 H	1.2	1	--	--	--	1.8	1.1	0.78 J H	0.92 J	0.82 J

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G74- PORT3	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	OLF-G74- PORT4	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
Date	5/10/21	8/11/17	11/7/17	2/13/18	11/12/18	5/1/19	11/11/19	5/18/20	8/11/17	11/7/17	2/13/18	5/16/18	11/12/18	5/1/19	11/11/19	5/18/20
Cis-1,3-Dichloropropene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Dibromochloromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Dibromomethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Dichlorodifluoromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Ethylbenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Hexachlorobutadiene	< 5.0	--	--	--	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--
Iodomethane	< 10	--	--	--	< 10	< 10	< 10	< 10	--	--	--	--	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
m,p-Xylene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Methylene Chloride	< 5.0	--	--	--	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0
MTBE	< 10	--	--	--	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 5.0	--	--	--	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--
N-Butylbenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
N-Propylbenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
O-Xylene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
P-Isopropyltoluene (Cymene)	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Sec-Butylbenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Styrene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Tert-Butylbenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Tetrachloroethylene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Toluene	< 1.0	--	--	--	< 1	< 1	0.80 J	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	0.48 J
Trans-1,2-Dichloroethene	0.70 J	--	--	--	0.46 J B (B)	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,3-Dichloropropene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2.0	--	--	--	< 2	< 2	< 2.0	< 2.0	--	--	--	--	< 2	< 2	< 2.0	< 2.0
Trichloroethene	14	--	--	--	8.3	9.7 H	6	4.4	--	--	--	2.6	3.2	2.4 H	1.6	1.2
Trichlorofluoromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Vinyl Acetate	< 2.0	--	--	--	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0	< 2.0
Vinyl Chloride	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Xylenes (Total)	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Dissolved Gases (µg/L)																
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																
Sodium	--	14.6	14.3	14.2	4.6	4.5	--	--	7.94	7.55	6.58	6.3	4.4	5	--	--
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)																
Bromide	--	--	--	--	--	--	--	--	--	--	--	< 0.5	--	--	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	--	--	--	4.9	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	--	--	--	0.22	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	12.8	10.7	9.72	10	14	--	--	14.3	13	12.6	14	12	14	--	--
TOC	1.2	--	--	--	< 1	0.6 J	1.2	0.88 J	--	--	--	1.2	< 1	0.7 J	0.97 J	1.1

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G75-S1	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	11/11/20	5/10/21	5/30/18	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	5/31/18	11/26/18
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,1,1-Trichloroethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1.0	< 1.0	--	< 1	< 1	< 1.0	--	--	--	< 1	< 1	< 1.0	--	--	--	< 1
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,1-Dichloroethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,1-Dichloroethene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,1-Dichloropropene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1
1,2,3-Trichlorobenzene	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	--	--	< 5	< 5	< 5	< 5.0	--	--	--	< 5
1,2,3-Trichloropropane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,2,4-Trichlorobenzene	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	--	--	< 5	< 5	< 5	< 5.0	--	--	--	< 5
1,2,4-Trimethylbenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1
1,2-Dibromo-3-Chloropropane	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	--	< 5
1,2-Dibromoethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,2-Dichlorobenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,2-Dichloroethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,2-Dichloropropane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	--	< 1
1,3,5-Trimethylbenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1
1,3-Dichlorobenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1
1,3-Dichloropropane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
2,2-Dichloropropane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10
2-Chlorotoluene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10	--	< 10
4-Chlorotoluene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10 **1	< 10	< 10	< 10	< 10	< 10	< 10 **1	< 10	--	< 10
Acetone	< 10	< 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	--	< 20
Benzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
Bromobenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1
Bromochloromethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1.0	--	< 1
Bromodichloromethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
Bromoform	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
Bromomethane	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 5.0	--	< 5
Carbon Disulfide	< 2.0	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	--	< 2
Carbon Tetrachloride	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
Chlorobenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
Chloroethane	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	--	< 5
Chloroform	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
Chloromethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1
Cis-1,2-Dichloroethene	1	1.6	< 1	< 1	< 1	< 1.0	< 1.0	0.48 J	< 1	< 1	< 1	< 1.0	< 1.0	0.46 J	--	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G74- PORT5	OLF-G74- PORT5	OLF-G75-S1	OLF-G75-S1	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	11/11/20	5/10/21	5/30/18	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	5/31/18	11/26/18	
Cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Dibromochloromethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Dibromomethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Dichlorodifluoromethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
Ethylbenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Hexachlorobutadiene	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	--	--	< 5	< 5	< 5	< 5.0	--	--	--	< 5	
Iodomethane	< 10	< 10	--	< 10	< 10	< 10	< 10	< 10 (UJ)	--	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	--	< 10
Isopropyl Benzene (Cumene)	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
m,p-Xylene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
Methylene Chloride	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	--	< 5	
MTBE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10
Naphthalene	5.5	< 5.0	< 5	< 5	< 5	< 5.0	--	--	< 5	< 5	< 5	< 5.0	--	--	--	< 5	
N-Butylbenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
N-Propylbenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
O-Xylene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
P-Isopropyltoluene (Cymene)	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
Sec-Butylbenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
Styrene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Tert-Butylbenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	< 1.0	--	--	--	< 1	
Tetrachloroethylene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Toluene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Trans-1,2-Dichloroethene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2.0	--	< 2	< 2	< 2.0	< 2.0	< 2.0	--	< 2	< 2	< 2.0	< 2.0	< 2.0	--	< 2	
Trichloroethene	1.6	1.4	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	0.81 J	< 1	0.79 J	< 1.0	< 1.0	--	3.4	
Trichlorofluoromethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Vinyl Acetate	< 2.0	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	--	< 2	
Vinyl Chloride	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Xylenes (Total)	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	--	< 1	
Dissolved Gases (µg/L)																	
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																	
Sodium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)																	
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOC	1.7	1.7	< 1	--	--	--	--	--	< 1	--	--	--	--	--	< 1	--	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	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-S4	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5
Date	5/13/19	11/13/19	5/18/20	11/10/20	5/11/21	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	11/10/20	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	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,1,1-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,1,2,2-Tetrachloroethane	< 1	< 1.0	< 1.0	16	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1.0	--	--	< 1.0	--	< 1	< 1 (UJ)	< 1.0	--	--	--	< 1	< 1 (UJ)	< 1.0	--	
1,1,2-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,1-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,1-Dichloroethene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,1-Dichloropropene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
1,2,3-Trichlorobenzene	< 5	< 5.0	--	--	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 5	< 5	< 5 (UJ)	< 5.0	--	
1,2,3-Trichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,2,4-Trichlorobenzene	< 5	< 5.0	--	--	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 5	< 5	< 5 (UJ)	< 5.0	--	
1,2,4-Trimethylbenzene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
1,2-Dibromo-3-Chloropropane	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	
1,2-Dibromoethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,2-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,2-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,2-Dichloropropane	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	
1,3,5-Trimethylbenzene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
1,3-Dichlorobenzene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
1,3-Dichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
1,4-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
2,2-Dichloropropane	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	
2-Chlorotoluene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
2-Hexanone	< 10	< 10	< 10 *	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 *	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 *	
4-Chlorotoluene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10 **1	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 **1	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 **1	
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	
Acrylonitrile	< 20	< 20	< 20	< 20	< 20	--	< 20	< 20 (UJ)	< 20	< 20	< 20	--	< 20	< 20 (UJ)	< 20	< 20	
Benzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Bromobenzene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
Bromochloromethane	< 1	< 1.0	< 1.0 *	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	
Bromodichloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Bromoform	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Bromomethane	< 5	< 5.0	< 5.0 *1	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0 *1	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0 *1	
Carbon Disulfide	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	
Carbon Tetrachloride	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Chlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	0.46 J	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Chloroethane	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	
Chloroform	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Chloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Cis-1,2-Dichloroethene	< 1	0.54 J	< 1.0	5.7	< 1.0	< 1	< 1	< 1 (UJ)	0.80 J	< 1.0	4.3	< 1	< 1	< 1 (UJ)	1.1	< 1.0	

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	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-S4	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5	OLF-G75-S5
Date	5/13/19	11/13/19	5/18/20	11/10/20	5/11/21	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	11/10/20	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	
Cis-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Dibromochloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Dibromomethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Dichlorodifluoromethane	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
Ethylbenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Hexachlorobutadiene	< 5	< 5.0	--	--	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 5	< 5	< 5 (UJ)	< 5.0	--	
Iodomethane	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10 (UJ)	< 10	< 10	< 10	--	< 10	< 10 (UJ)	< 10	< 10	
Isopropyl Benzene (Cumene)	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
m,p-Xylene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
Methylene Chloride	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	
MTBE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	
Naphthalene	< 5	< 5.0	--	--	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 5	< 5	< 5 (UJ)	< 5.0	--	
N-Butylbenzene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
N-Propylbenzene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
O-Xylene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
P-Isopropyltoluene (Cymene)	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
Sec-Butylbenzene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
Styrene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Tert-Butylbenzene	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	
Tetrachloroethylene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Toluene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Trans-1,2-Dichloroethene	< 1	< 1.0	< 1.0	0.42 J	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Trans-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Trans-1,4-Dichloro-2-Butene	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	--	< 2	< 2 (UJ)	< 2.0	< 2.0	
Trichloroethene	< 1	4	< 1.0	8	< 1.0	< 1	< 1	< 1 (UJ)	6.3	< 1.0	0.53 J	< 1	< 1	< 1 (UJ)	8.8	< 1.0	
Trichlorofluoromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Vinyl Acetate	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	
Vinyl Chloride	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Xylenes (Total)	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	
Dissolved Gases (µg/L)																	
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																	
Sodium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)																	
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOC	--	--	--	--	--	< 1	--	--	--	--	--	< 1	--	--	--	--	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G75-S5	OLF-G75-S5	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77
Date	11/10/20	5/11/21	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	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
Volatile Organic Compounds (µg/L)																		
1,1,1,2-Tetrachloroethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	0.24 J	0.22 J	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	1700	1200	1400	1200	1000	1200	1100	980	820	1100
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1.0	--	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	--	< 10	< 1	--	--	--	< 1.0
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	29	28	33	26	27	32	25	28	25	21
1,1-Dichloroethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	0.67 J	< 1.0
1,1-Dichloroethene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	0.66 J	0.75 J	0.69 J	0.75 J	< 10	0.79 J	< 10	0.56 J	0.50 J	< 1.0
1,1-Dichloropropene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
1,2,3-Trichlorobenzene	--	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 5.0
1,2,3-Trichloropropane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	--	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 5.0
1,2,4-Trimethylbenzene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
1,2-Dibromo-3-Chloropropane	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	0.44 J	0.41 J	0.59 J	< 10	0.7 J	< 10	0.68 J	0.60 J	< 1.0
1,2-Dichloropropane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
1,3-Dichlorobenzene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
1,3-Dichloropropane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	0.48 J	0.45 J	0.29 J	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 10
2-Chlorotoluene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
2-Hexanone	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 *	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 10
4-Chlorotoluene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 **1	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	< 10	< 10
Acrylonitrile	< 20	< 20	--	< 20	< 20 (UJ)	< 20	< 20	< 20	< 10	< 10	< 10	--	< 200	< 20	< 200	< 20	< 20	< 20
Benzene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	0.43 J	0.38 J	0.23 J	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Bromobenzene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
Bromochloromethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Bromodichloromethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Bromoform	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Bromomethane	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0 *1	< 5.0	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5.0 *	< 5.0	< 5.0
Carbon Disulfide	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 1	< 1	< 1	< 2	< 20	< 2	< 20	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Chlorobenzene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	39	30	18	16	9.4 J	21	14	18	14	10
Chloroethane	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5.0 *	5.1	< 5.0
Chloroform	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	0.47 J	0.43 J	0.34 J	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Chloromethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Cis-1,2-Dichloroethene	3.8	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	170	250	290	280	230	350	290	190	190	180

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 Post Remediation

Well ID	OLF-G75-S5	OLF-G75-S5	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77
Date	11/10/20	5/11/21	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	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
Cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Dibromochloromethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Dibromomethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	0.46 J	0.32 J	< 2	< 1	< 10	< 1	--	--	--	< 1.0
Ethylbenzene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	--	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 5.0
Iodomethane	< 10	< 10	--	< 10	< 10 (UJ)	< 10	< 10	< 10	< 2	< 2	< 2	--	< 100	< 10	< 100	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
m,p-Xylene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	--	--	--	< 1	< 10	< 1	--	--	--	< 1.0
Methylene Chloride	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	0.57 J	0.58 J	< 2	< 5	< 50	< 5	< 50	< 5.0	< 5.0	< 5.0
MTBE	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 1	< 1	< 1	0.3 J	< 100	< 10	< 100	< 10	< 10	< 10
Naphthalene	--	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 2	< 2	< 2	< 5	< 50	< 5	--	--	--	< 5.0
N-Butylbenzene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
N-Propylbenzene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
O-Xylene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	--	--	--	< 1	< 10	< 1	--	--	--	< 1.0
P-Isopropyltoluene (Cymene)	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
Sec-Butylbenzene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
Styrene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	--	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1.0
Tetrachloroethylene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	13	9.7	7.1	7	< 10	6.7	7.5 J	5.3	6.4	7.6
Toluene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Trans-1,2-Dichloroethene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	64	48	52	53	100	110	140	140	180	160
Trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2.0	--	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	--	< 20	< 2	< 20	< 2.0	< 2.0	< 2.0
Trichloroethene	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	1400	1100	870	790	620	670	640	380	440	540
Trichlorofluoromethane	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
Vinyl Acetate	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 20	< 2	< 20	< 2.0	< 2.0	< 2.0
Vinyl Chloride	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	3.8	2.2	3.2	5.6	< 10	9.4	8.7 J	15	16	8.4
Xylenes (Total)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 10	< 1	< 10	< 1.0	< 1.0	< 1.0
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
Ethene	--	--	--	--	--	--	--	--	< 1.5	< 1.5	< 1.5	< 1	< 1	< 1	29	13	37	5.6
Methane	--	--	--	--	--	--	--	--	75	48	41	72	62	260	760	770	1000	900
Metals (mg/L)																		
Sodium	--	--	--	--	--	--	--	--	14.4	14	15.1	15	15	13	--	--	--	--
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	0	0	--	--	--	--	--	--	--
General Chemistry (mg/L)																		
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	28.4	26.9	234	21	--	--	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	0.0885 J	0.099 J	0.102	0.19	--	--	--	--	--	--
Sulfate	--	--	--	--	--	--	--	--	5.59	4.26	19.2	4	2.3	2.5	--	--	--	--
TOC	--	--	< 1	--	--	--	--	--	1.62	1.43	2.4	1.5	< 1	1.1	0.95 J	1.5	1.3	1.3

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 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	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12
Date	8/14/17	11/13/17	2/15/18	5/16/18	11/12/18	5/6/19	11/20/19	05/28/20	11/10/20	5/12/21	11/9/17	5/17/18	11/14/18	5/14/19	11/13/19	05/20/20	11/11/20	5/7/21
Volatile Organic Compounds (µg/L)																		
1,1,1,2-Tetrachloroethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	--	9.9	--	18	8	9.8	5.0	14	5.4	12	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	--	< 1	< 1	--	--	--	< 1.0	< 1	--	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
1,1,2-Trichloroethane	--	1.3	--	0.58 J	0.39 J	< 1	< 1.0	< 1.0	< 1.0	0.50 J	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
1,2,3-Trichlorobenzene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5.0	< 5.0
1,2,3-Trichloropropane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5.0	< 5.0
1,2,4-Trimethylbenzene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
1,2-Dibromo-3-Chloropropane	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	--	1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
1,3-Dichlorobenzene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
1,3-Dichloropropane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	--	0.28 J	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
2-Butanone (MEK)	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
2-Hexanone	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 *	< 10	< 10
4-Chlorotoluene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
4-Methyl-2-Pentanone (MIBK)	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
Acetone	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
Acrylonitrile	--	< 10	--	--	< 20	< 20	< 20	< 20	< 20	< 20	< 10	--	< 20	< 20 (UJ)	< 20	< 20	< 20	< 20
Benzene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Bromobenzene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
Bromochloromethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 2	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0 *	< 5.0	< 5.0
Carbon Disulfide	--	< 1	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2.0
Carbon Tetrachloride	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 2	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5.0
Chloroform	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-Dichloroethene	--	6.3	--	4.2	3.2	2	1.9	2.4	1.4	2.9	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 4 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	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12
Date	8/14/17	11/13/17	2/15/18	5/16/18	11/12/18	5/6/19	11/20/19	05/28/20	11/10/20	5/12/21	11/9/17	5/17/18	11/14/18	5/14/19	11/13/19	05/20/20	11/11/20	5/7/21
Cis-1,3-Dichloropropene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	--	< 2	--	< 1	< 1	< 1	--	--	--	< 1.0	< 2	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
Ethylbenzene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Hexachlorobutadiene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5.0	< 5.0
Iodomethane	--	< 2	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 2	--	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
m,p-Xylene	--	--	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
Methylene Chloride	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5.0
MTBE	--	< 1	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10
Naphthalene	--	< 2	--	< 5	< 5	< 5	--	--	--	< 5.0	< 2	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5.0	< 5.0
N-Butylbenzene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
N-Propylbenzene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
O-Xylene	--	--	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
P-Isopropyltoluene (Cymene)	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
Sec-Butylbenzene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
Styrene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1.0	< 1.0
Tetrachloroethylene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-Dichloroethene	--	2.2	--	1.6	1.1	0.63 J	0.90 J	1.1	0.42 J	0.99 J	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2.0
Trichloroethene	--	12	--	22	7	11	3.3	16	6.3	14	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoromethane	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Acetate	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2.0
Vinyl Chloride	--	0.2 J	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes (Total)	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Dissolved Gases (µg/L)																		
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																		
Sodium	5.33	--	5.99	--	1.5	3.7	--	--	--	--	--	--	--	--	--	--	--	--
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	0.525	--	0.398 J	--	< 1	< 1	--	--	--	--	--	--	--	--	--	--	--	--
TOC	--	0.807 J	--	0.53 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Footnotes on last page.

Lab Flag

- B = Analyte detected in an associated blank.
- F1 = MS and/or MSD recovery is outside acceptance limits.
- F2 = MS/MSD RPD exceeds control limits.
- H = Extraction or analysis holding time exceeded.
- J = Result is estimated; detected between the method detection limit and the reporting limit.
- * = LCS or LCSD outside acceptance limits.
- *1 = LCS/LCSD RPD exceeds control limits.

Validation Flag (in parentheses)

- 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.
- Ferrous iron measured in the field.
- TOC - Total organic carbon

Table D.2
Off-Site Groundwater Analytical Results for
Year 1 - Year 4 Post Remediation

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 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-G12	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G19	OLF-G19	OLF-G19
Date	8/9/17	11/16/17	2/19/18	5/22/18	11/19/18	5/9/19	11/19/19	05/29/20	11/16/2020	5/6/2021	11/15/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/16/20	5/6/21	11/19/19	5/27/20	11/16/20	
Volatile Organic Compounds (µg/L)																						
1,1,1,2-Tetrachloroethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,1-Trichloroethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,2,2-Tetrachloroethane	--	360	--	350	310	230	150	130	120	82	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	--	< 5	< 5	--	--	--	< 1.0	< 1	--	< 1	< 1	--	--	--	< 1.0	--	--	--	
1,1,2-Trichloroethane	--	6.5	--	6	6.5	4.7 J	3.6	3	2.7	2.4	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1-Dichloroethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1-Dichloroethene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,1-Dichloropropene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
1,2,3-Trichlorobenzene	--	< 1	--	< 25	< 25	< 25	--	--	--	< 5.0	< 1	< 5	< 5	< 5	--	--	--	< 5.0	--	--	--	
1,2,3-Trichloropropane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,4-Trichlorobenzene	--	< 1	--	< 25	< 25	< 25	--	--	--	< 5.0	< 1	< 5	< 5	< 5	--	--	--	< 5.0	--	--	--	
1,2,4-Trimethylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
1,2-Dibromo-3-Chloropropane	--	< 2	--	< 25	< 25	< 25	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
1,2-Dibromoethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichlorobenzene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichloroethane	--	< 1	--	< 5	8.6	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2-Dichloropropane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,3,5-Trimethylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
1,3-Dichlorobenzene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
1,3-Dichloropropane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,4-Dichlorobenzene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
2,2-Dichloropropane	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
2-Butanone (MEK)	--	< 10	--	< 50	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
2-Hexanone	--	< 10	--	< 50	< 5	< 5	--	--	--	< 1.0	< 10	< 10	< 1	< 1	--	--	--	< 1.0	--	--	--	
4-Chlorotoluene	--	< 1	--	< 5	< 50	< 50	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
4-Methyl-2-Pentanone (MIBK)	--	< 10	--	< 50	< 5	< 5	--	--	--	< 1.0	< 10	< 10	< 1	< 1	--	--	--	< 1.0	--	--	--	
Acetone	--	< 10	--	< 50	< 50	< 50	< 10	< 10	< 10	< 10	< 10	8.8 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Acrylonitrile	--	< 10	--	--	< 50	< 50	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Benzene	--	< 1	--	< 5	< 100	< 100	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	
Bromobenzene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Bromochloromethane	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
Bromodichloromethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Bromoform	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Bromomethane	--	< 2	--	< 25	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Carbon Disulfide	--	< 1	--	< 10	< 25	< 25	< 5.0	< 5.0 *	< 5.0	< 5.0	< 1	< 2	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 5.0	< 5.0 *	< 5.0	
Carbon Tetrachloride	--	< 1	--	< 5	< 10	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Chlorobenzene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Chloroethane	--	< 2	--	< 25	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Chloroform	--	< 1	--	< 5	< 25	< 25	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 5.0	< 5.0 *	< 5.0	
Chloromethane	--	< 2	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Cis-1,2-Dichloroethene	--	29	--	35	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 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-G12	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G18	OLF-G19	OLF-G19	OLF-G19
Date	8/9/17	11/16/17	2/19/18	5/22/18	11/19/18	5/9/19	11/19/19	05/29/20	11/16/2020	5/6/2021	11/15/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/16/20	5/6/21	11/19/19	5/27/20	11/16/20	
Cis-1,3-Dichloropropene	--	< 1	--	< 5	30	42	20	14	14	10	< 1	< 1	< 1	4.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Dibromochloromethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Dibromomethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Dichlorodifluoromethane	--	< 2	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Ethylbenzene	--	< 1	--	< 5	< 5	17	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
Hexachlorobutadiene	--	< 1	--	< 25	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Iodomethane	--	< 2	--	--	< 25	< 25	< 10	< 10	< 10 (UJ)	< 5.0	< 2	--	< 5	< 5	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	
Isopropyl Benzene (Cumene)	--	< 1	--	< 5	< 50	< 50	--	--	--	< 10	< 1	< 1	< 10	< 10	--	--	--	< 10	--	--	--	
m,p-Xylene	--	--	--	< 5	< 5	< 5	--	--	--	< 1.0	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
Methylene Chloride	--	0.59 J	--	< 25	< 5	< 5	--	--	--	< 1.0	< 2	< 5	< 1	< 1	--	--	--	< 1.0	--	--	--	
MTBE	--	< 1	--	< 50	< 25	< 25	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
Naphthalene	--	< 2	--	< 25	< 50	< 50	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
N-Butylbenzene	--	< 1	--	< 5	< 25	< 25	--	--	--	< 5.0	< 1	< 1	< 5	< 5	--	--	--	< 5.0	--	--	--	
N-Propylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
O-Xylene	--	--	--	< 5	< 5	< 5	--	--	--	< 1.0	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
P-Isopropyltoluene (Cymene)	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
2-Chlorotoluene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
Sec-Butylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
Styrene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Tert-Butylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	
Tetrachloroethylene	--	2.8	--	< 5	< 5	< 5	1.2	1.1 *	0.75 J	1.2	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Toluene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trans-1,2-Dichloroethene	--	12	--	13	11	7.5	9.3	6.6	5.5	3.7	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trans-1,3-Dichloropropene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trans-1,4-Dichloro-2-Butene	--	< 2	--	--	< 10	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Trichloroethene	--	230	--	240	200	170	110	99	83	67	0.59 J	< 1	< 1	52	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Trichlorofluoro-methane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl Acetate	--	< 2	--	< 10	< 10	< 10	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	
Vinyl Chloride	--	< 0.8	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Xylenes (Total)	--	< 3	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Dissolved Gases (µg/L)																						
Ethane	--	--	--	--	--	--	--	< 1.1	< 1.1	< 1.1	--	--	--	--	--	--	--	--	--	--	--	
Ethene	--	--	--	--	--	--	--	< 1.0	< 1.0	< 1.0	--	--	--	--	--	--	--	--	--	--	--	
Methane	--	--	--	--	--	--	--	0.54 J	0.51 J	240	--	--	--	--	--	--	--	--	--	--	--	
Metals (mg/L)																						
Sodium	4.13	4.78	5.07	3.9	3.7	3.8	--	--	--	--	--	< 1	--	--	--	--	--	--	--	--	--	
General Chemistry (mg/L)																						
Sulfate	0.921	1.81	1.23	0.83 J	0.85 J	0.73 J	--	--	--	--	--	1.6	--	--	--	--	--	--	--	--	--	
TOC	--	0.814 J	--	< 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G19	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	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22
Date	5/6/21	11/14/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/17/20	5/6/21	8/9/17	11/15/17	2/19/18	5/22/18	11/27/18	5/9/19	11/19/19	5/27/20	11/17/20	5/6/21	8/9/17
Volatile Organic Compounds (µg/L)																				
1,1,1,2-Tetrachloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1,1-Trichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1,2,2-Tetrachloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	190	--	140	100	58	59	49	30	17	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1.0	< 1	--	< 1	< 1	--	--	--	< 1.0	--	< 1	--	--	< 1	< 1	--	--	--	< 1.0	--
1,1,2-Trichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	5.3	--	4.1 J	3	2.3	2.5	2	1.5	1.4	--
1,1-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1-Dichloroethene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	0.36 J	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,1-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
1,2,3-Trichlorobenzene	< 5.0	< 1	< 5	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 25	< 5	< 5	--	--	--	< 5.0	--
1,2,3-Trichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2,4-Trichlorobenzene	< 5.0	< 1	< 5	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 25	< 5	< 5	--	--	--	< 5.0	--
1,2,4-Trimethylbenzene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
1,2-Dibromo-3-Chloropropane	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 25	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--
1,2-Dibromoethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,2-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	0.34 J	--	< 5	0.52 J	< 1	0.59 J	< 1.0	0.56 J	< 1.0	--
1,2-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,3,5-Trimethylbenzene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
1,3-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
1,3-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
1,4-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
2,2-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 50	< 10	< 10	< 10	< 10	< 10	< 10	--
2-Hexanone	< 1.0	< 10	< 10	< 1	< 1	--	--	--	< 1.0	--	< 10	--	< 50	< 1	< 1	--	--	--	< 1.0	--
4-Chlorotoluene	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	--	< 1	--	< 5	< 10	< 10	< 10	< 10	< 10	< 10	--
4-Methyl-2-Pentanone (MIBK)	< 1.0	< 10	< 10	< 1	< 1	--	--	--	< 1.0	--	< 10	--	< 50	< 1	< 1	--	--	--	< 1.0	--
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 50	< 10	< 10	< 10	< 10	< 10	< 10	--
Acrylonitrile	< 10	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	--	< 10	< 10	< 10	< 10	< 10	< 10	--
Benzene	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 20	< 20	--	< 1	--	< 5	< 20	< 20	< 20	< 20	< 20	< 20	--
Bromobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromochloromethane	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
Bromodichloromethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromoform	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Bromomethane	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 25	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Carbon Disulfide	< 5.0	< 1	< 2	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	--	< 1	--	< 10	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	--
Carbon Tetrachloride	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 1	--	< 5	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--
Chlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	0.27 J	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Chloroethane	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 25 *	3.5	3.4	8.2	7.2	7.2	7.2	--
Chloroform	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	--	< 1	--	< 5	< 5	< 5	< 5.0	5.4 *	< 5.0	< 5.0	--
Chloromethane	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Cis-1,2-Dichloroethene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	87	--	100	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G19	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	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G23
Date	5/6/21	11/14/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/17/20	5/6/21	8/9/17	11/15/17	2/19/18	5/22/18	11/27/18	5/9/19	11/19/19	5/27/20	11/17/20	5/6/21	8/9/17
Cis-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	59	45	45	40	24	19	--
Dibromochloromethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Dibromomethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Dichlorodifluoromethane	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Ethylbenzene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
Hexachlorobutadiene	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 25	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Iodomethane	< 5.0	< 2	--	< 5	< 5	< 10	< 10	< 10	< 5.0	--	< 2	--	--	< 5	< 5	< 10	< 10	< 10	< 5.0	--
Isopropyl Benzene (Cumene)	< 10	< 1	< 1	< 10	< 10 (UJ)	--	--	--	< 10	--	< 1	--	< 5	< 10	< 10 (UJ)	--	--	--	< 10	--
m,p-Xylene	< 1.0	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	< 5	< 1	< 1	--	--	--	< 1.0	--
Methylene Chloride	< 1.0	< 2	< 5	< 1	< 1	--	--	--	< 1.0	--	< 2	--	< 25	< 1	< 1	--	--	--	< 1.0	--
MTBE	< 5.0	< 1	0.3 J	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 1	--	< 50	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--
Naphthalene	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 10	< 10	--	< 2	--	< 25	< 10	< 10	< 10	< 10	< 10	< 10	--
N-Butylbenzene	< 5.0	< 1	< 1	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	--
N-Propylbenzene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
O-Xylene	< 1.0	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	< 5	< 1	< 1	--	--	--	< 1.0	--
P-Isopropyltoluene (Cymene)	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
2-Chlorotoluene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
Sec-Butylbenzene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
Styrene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Tert-Butylbenzene	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1.0	--
Tetrachloroethylene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	1.3	--	< 5	1	0.96 J	0.82 J	< 1.0	< 1.0	< 1.0	--
Toluene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Trans-1,2-Dichloroethene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	10	--	15	13	9.7	15	11	9.1	7.9	--
Trans-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--
Trichloroethene	< 1.0	0.63 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	180	--	160	110	100	110	110	66	52	--
Trichlorofluoro-methane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Vinyl Acetate	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	< 10	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--
Vinyl Chloride	< 1.0	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 0.8	--	< 5	1.4	0.7 J	1.9	1.2	0.98 J	< 1.0	--
Xylenes (Total)	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 3	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--
Dissolved Gases (µg/L)																				
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																				
Sodium	--	--	--	--	--	--	--	--	--	6.98	7.02	7.06	6.7	6.9	6.7	--	--	--	--	6.44
General Chemistry (mg/L)																				
Sulfate	--	--	--	--	--	--	--	--	--	1.46	1.58	1.43	2.1	1.1	0.8 J F1 F2	--	--	--	--	1.49
TOC	--	--	--	--	--	--	--	--	--	--	0.978 J	--	0.73 J	--	--	--	--	--	--	--

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	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	OLF-G24	OLF-G24	OLF-G26	OLF-G26	OLF-G26	OLF-G26
Date	11/14/17	2/16/18	5/21/18	11/15/18	5/8/19	11/18/19	5/28/20	11/17/20	5/7/21	8/9/17	11/14/17	2/19/18	5/21/18	11/18/19	5/26/20	11/16/20	5/7/21	11/20/19	5/20/20	11/17/20	5/10/21
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	260	--	200	230	150	100	96	63	65	--	0.29 J	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	--	< 5	< 5	--	--	--	< 1.0	--	< 1	--	--	--	--	--	< 1.0	--	--	--	< 1.0
1,1,2-Trichloroethane	6.5	--	5.5	7.7	5.5	3.8	3.1	2.7	2.7	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 1	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	0.53 J	--	0.5 J	< 5	< 5	< 1.0 (UJ)	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	< 1.0
1,2,3-Trichlorobenzene	< 1	--	< 5	< 25	< 25	--	--	--	< 5.0	--	< 1	--	< 5	--	--	--	< 5.0	--	--	--	< 5.0
1,2,3-Trichloropropane	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 1	--	< 5	< 25	< 25	--	--	--	< 5.0	--	< 1	--	< 5	--	--	--	< 5.0	--	--	--	< 5.0
1,2,4-Trimethylbenzene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	< 1.0
1,2-Dibromo-3-Chloropropane	< 2	--	< 5	< 25	< 25	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	0.33 J	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	< 1.0	0.77 J	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	*	< 1.0	< 1.0
1,3,5-Trimethylbenzene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	< 1.0
1,3-Dichlorobenzene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	< 1.0
1,3-Dichloropropane	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	< 1.0
2-Butanone (MEK)	< 10	--	< 10	< 50	< 50	< 10 (UJ)	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	< 10	--	< 10	< 5	< 5	--	--	--	< 1.0	--	< 10	--	< 10	--	--	--	< 1.0	--	--	--	< 1.0
4-Chlorotoluene	< 1	--	< 1	< 50	< 50	< 10	< 10	< 10	< 10	--	< 1	--	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone (MIBK)	< 10	--	< 10	< 5	< 5	--	--	--	< 1.0	--	< 10	--	< 10	--	--	--	< 1.0	--	--	--	< 1.0
Acetone	< 10	--	< 10	< 50	< 50	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 10	--	--	< 50	< 50	< 10	< 10	< 10	< 10	--	< 10	--	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	< 1	--	< 1	< 100	< 100	< 20 (UJ)	< 20	< 20	< 20	--	< 1	--	< 1	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Bromobenzene	< 1	--	< 1	< 5	< 5	0.53 J (J)	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	< 1.0
Bromodichloromethane	< 1	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0	< 1.0
Bromomethane	< 2	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon Disulfide	< 1	--	< 2	< 25	< 25	(UJ)	< 5.0 *	< 5.0	< 5.0	--	< 1	--	< 2	< 5.0	< 5.0 *	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 1	--	< 1	< 10	< 10	< 2.0	< 2.0	< 2.0	< 2.0	--	< 1	--	< 1	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene	< 1	--	2.5	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	< 2	--	< 5	4.4 J	7.5	6.9	9.5	9.2	13	--	< 2	--	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	< 1	--	< 1	< 25	< 25	< 5.0 (UJ)	7.4 *	3.2 J	3.7 J	--	< 1	--	< 1	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 2	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	< 1.0	< 1.0	--	< 2	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-Dichloroethene	160	--	140	< 5	< 5	< 1.0 (UJ)	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	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	OLF-G24	OLF-G24	OLF-G24	OLF-G26	OLF-G26	OLF-G26	OLF-G26
Date	11/14/17	2/16/18	5/21/18	11/15/18	5/8/19	11/18/19	5/28/20	11/17/20	5/7/21	8/9/17	11/14/17	2/19/18	5/21/18	11/18/19	5/26/20	11/16/20	5/7/21	11/20/19	5/20/20	11/17/20	5/10/21	
Cis-1,3-Dichloropropene	< 1	--	< 1	130	93	39	46	31	38	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	(UB)	< 1.0	< 1.0	
Dibromochloromethane	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0	< 1.0
Dibromomethane	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	< 2	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	*1	< 1.0	< 1.0
Ethylbenzene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	--	< 1.0	--	--	--	< 1.0
Hexachlorobutadiene	< 1	--	< 5	< 5	< 5	1.2	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iodomethane	< 2	--	--	< 25	< 25	< 10	< 10	< 10	< 5.0	--	< 2	--	--	< 10	< 10	< 10	< 5.0	< 10	< 10	< 10	< 10	< 5.0
Isopropyl Benzene (Cumene)	< 1	--	< 1	< 50	< 50	--	--	--	< 10	--	< 1	--	< 1	--	--	--	< 10	--	--	--	--	< 10
m,p-Xylene	--	--	< 1	< 5	< 5	--	--	--	< 1.0	--	--	--	< 1	--	--	--	< 1.0	--	--	--	--	< 1.0
Methylene Chloride	< 2	--	< 5	< 5	< 5	--	--	--	< 1.0	--	< 2	--	< 5	--	--	--	< 1.0	--	--	--	--	< 1.0
MTBE	< 1	--	< 10	20 J	< 25	< 5.0 (UJ)	< 5.0	< 5.0	< 5.0	--	< 1	--	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	< 2	--	< 5	< 50	< 50	< 10 (UJ)	< 10	< 10	< 10	--	< 2	--	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Butylbenzene	< 1	--	< 1	< 25	< 25	--	--	--	< 5.0	--	< 1	--	< 1	--	--	--	< 5.0	--	--	--	--	< 5.0
N-Propylbenzene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	--	< 1.0
O-Xylene	--	--	< 1	< 5	< 5	--	--	--	< 1.0	--	--	--	< 1	--	--	--	< 1.0	--	--	--	--	< 1.0
P-Isopropyltoluene (Cymene)	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	--	< 1.0
2-Chlorotoluene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	--	< 1.0
Sec-Butylbenzene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	--	< 1.0
Styrene	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	< 1	--	< 1	< 5	< 5	--	--	--	< 1.0	--	< 1	--	< 1	--	--	--	< 1.0	--	--	--	--	< 1.0
Tetrachloroethylene	1.4	--	1.3	< 5	< 5	0.76 J (J)	0.74 J	< 1.0	0.95 J	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	< 1	--	< 1	< 5	< 5	2.1	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	*	< 1.0	< 1.0
Trans-1,2-Dichloroethene	12	--	22	23	30	17	19	16	23	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,3-Dichloropropene	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2	--	--	< 10	< 10	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	--	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Trichloroethene	170	--	150	160	150	110	100	79	85	--	1.1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichlorofluoro-methane	< 1	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Acetate	< 2	--	< 2	< 10	< 10	< 2.0 (UJ)	< 2.0	< 2.0	< 2.0	--	< 2	--	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Vinyl Chloride	0.51 J	--	2.8	3.2 J	< 5	< 1.0 (UJ)	2.5	2.3	3	--	< 0.8	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1	< 1.0	< 1.0	< 1.0
Xylenes (Total)	< 3	--	< 1	< 5	< 5	6.7	< 1.0	< 1.0	< 1.0	--	< 3	--	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dissolved Gases (µg/L)																						
Ethane	--	--	--	--	--	--	3	2	2.8	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	0.79 J	< 1.0	< 1.0	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	960	1200	1500	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																						
Sodium	6.56	6.41	--	5.9	6.2	--	--	--	--	1.62	2.18	2.42	< 1	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)																						
Sulfate	1.35	1.36	--	0.9 J	0.98 J	--	--	--	--	1.01	0.659	0.646	1.1	--	--	--	--	--	--	--	--	--
TOC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G33	OLF-G33	OLF-G33
Date	11/9/17	5/18/18	11/26/18	5/15/19	11/11/19	5/19/20	11/12/20	5/10/21	11/9/17	5/18/18	11/26/18	5/14/19	11/11/19	5/19/20	11/12/20	5/10/21	8/10/17	11/14/17	2/15/18
Volatile Organic Compounds (µg/L)																			
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	3.4	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 1	< 1	< 1.0	--	--	< 1.0	< 1	--	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	0.79 J	--
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	0.26 J	--
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,1-Dichloropropene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
1,2,3-Trichlorobenzene	< 1	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 5.0	--	< 1	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,2,4-Trichlorobenzene	< 1	< 5	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 5.0	--	< 1	--
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
1,2-Dibromo-3-Chloropropane	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
2,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1.0 *	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0 *	--	--	< 1.0	--	< 1	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	--	< 10	--
2-Hexanone	< 10	< 10	< 1	< 1	< 1.0	--	--	< 1.0	< 10	< 10	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 10	--
4-Chlorotoluene	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	--	< 1	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 1	< 1	< 1.0	--	--	< 1.0	< 10	< 10	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 10	--
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 *1	< 10	< 10	--	< 10	--
Acrylonitrile	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	--	< 10	--
Benzene	< 1	< 1	< 20	< 20	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20 (UJ)	< 20	< 20 *1	< 20	< 20	--	< 1	--
Bromobenzene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
Bromoform	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1.0	--	< 1	--
Bromomethane	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--
Carbon Disulfide	< 1	< 2	< 5	< 5 (UJ)	< 5.0	< 5.0 *	< 5.0	< 5.0	< 1	< 2	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5.0	--	< 1	--
Carbon Tetrachloride	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2.0	--	< 1	--
Chlorobenzene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
Chloroethane	< 2	< 5	< 1	< 1	< 1.0	< 1.0	0.77 J	< 1.0	< 2	< 5	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--
Chloroform	< 1	< 1	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 1	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5.0	--	< 1	--
Chloromethane	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--
Cis-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	12	--

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G31	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G32	OLF-G33	OLF-G33	OLF-G33
Date	11/9/17	5/18/18	11/26/18	5/15/19	11/11/19	5/19/20	11/12/20	5/10/21	11/9/17	5/18/18	11/26/18	5/14/19	11/11/19	5/19/20	11/12/20	5/10/21	8/10/17	11/14/17	2/15/18
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	0.49 J	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	1.5	< 1.0	< 1.0	--	< 1	--
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1.0	--	< 1	--
Dibromomethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1.0	--	< 1	--
Dichlorodifluoromethane	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *1 *	< 1.0	< 1.0	--	0.38 J	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
Hexachlorobutadiene	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
Iodomethane	< 2	--	< 5	< 5	< 5.0	--	< 10	< 5.0	< 2	--	< 5	< 5 (UJ)	< 5.0	< 10	< 10	< 5.0	--	< 2	--
Isopropyl Benzene (Cumene)	< 1	< 1	< 10	< 10	< 10	< 10	--	< 10	< 1	< 1	< 10	< 10 (UJ)	< 10	--	--	< 10	--	< 1	--
m,p-Xylene	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	--	--
Methylene Chloride	< 2	< 5	< 1	< 1	< 1.0	--	--	< 1.0	< 2	< 5	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 2	--
MTBE	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 10	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5.0	< 5.0	--	< 1	--
Naphthalene	< 2	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	--	< 2	--
N-Butylbenzene	< 1	< 1	< 5	< 5	< 5.0	--	--	< 5.0	< 1	< 1	< 5	< 5 (UJ)	< 5.0	--	--	< 5.0	--	< 1	--
N-Propylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
O-Xylene	--	< 1	< 1	< 1	< 1.0	--	--	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
2-Chlorotoluene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
Sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
Styrene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
Tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1.0	--	< 1	--
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1.0	--	0.59 J	--
Toluene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *1	< 1.0	< 1.0	--	< 1	--
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	0.38 J	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	2.7	--
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1.0	< 1.0	--	< 1	--
Trans-1,4-Dichloro-2-Butene	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--
Trichloroethene	< 1	0.57 J	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	74	--
Trichlorofluoro-methane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--
Vinyl Chloride	< 0.8	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 0.8	--
Xylenes (Total)	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0	--	< 3	--
Dissolved Gases (µg/L)																			
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																			
Sodium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.45	2.49	2.91
General Chemistry (mg/L)																			
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.954	1.14	1.42
TOC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G33	OLF-G33	OLF-G34	OLF-G34	OLF-G34	OLF-G34	OLF-G34	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G36	OLF-G36	OLF-G36	OLF-G36
Date	5/21/18	11/20/18	8/10/17	11/14/17	2/15/18	5/30/18	11/19/18	8/9/17	11/15/17	2/16/18	5/21/18	11/15/18	5/8/19	11/19/19	5/26/20	11/17/20	5/6/21	8/10/17	11/15/17	2/19/18	5/30/18
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1,1-Trichloroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1,2,2-Tetrachloroethane	3.8	4.5	--	0.45 J	--	< 1	< 1	--	0.43 J	--	1.8	1.9	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	0.33 J	--	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	< 1	--	--	< 1	--	< 1	--	--	< 1	< 1	--	--	--	< 1.0	--	< 1	--	--
1,1,2-Trichloroethane	0.69 J	0.56 J	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1-Dichloroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1-Dichloroethene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,1-Dichloropropene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
1,2,3-Trichlorobenzene	< 5	< 5	--	< 1	--	< 5	< 5	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 5
1,2,3-Trichloropropane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,2,4-Trichlorobenzene	< 5	< 5	--	< 1	--	< 5	< 5	--	< 1	--	< 5	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 5
1,2,4-Trimethylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	--	< 2	--	< 5	< 5	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 2	--	< 5
1,2-Dibromoethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,2-Dichlorobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,2-Dichloroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,2-Dichloropropane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,3,5-Trimethylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
1,3-Dichlorobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
1,3-Dichloropropane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
1,4-Dichlorobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
2,2-Dichloropropane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
2-Butanone (MEK)	< 10	< 10	--	< 10	--	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10
2-Hexanone	< 10	< 1	--	< 10	--	< 10	< 1	--	< 10	--	< 10	< 1	< 1	--	--	--	< 1.0	--	< 10	--	< 10
4-Chlorotoluene	< 1	< 10	--	< 1	--	< 1	< 10	--	< 1	--	< 1	< 10	< 10	< 10	< 10	< 10	< 10	--	< 1	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 1	--	< 10	--	< 10	< 1	--	< 10	--	< 10	< 1	< 1	--	--	--	< 1.0	--	< 10	--	< 10
Acetone	< 10	< 10	--	< 10	--	16	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	20
Acrylonitrile	--	< 10	--	< 10	--	--	< 10	--	< 10	--	--	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	--	--
Benzene	< 1	< 20	--	< 1	--	< 1	< 20	--	< 1	--	< 1	< 20	< 20	< 20	< 20	< 20	< 20	--	< 1	--	< 1
Bromobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Bromochloromethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
Bromodichloromethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Bromoform	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Bromomethane	< 5	< 1	--	< 2	--	< 5	< 1	--	< 2	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 5
Carbon Disulfide	< 2	< 5	--	< 1	--	< 2	< 5	--	< 1	--	< 2	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	--	< 1	--	< 2
Carbon Tetrachloride	< 1	< 2	--	< 1	--	< 1	< 2	--	< 1	--	< 1	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 1	--	< 1
Chlorobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Chloroethane	< 5	< 1	--	< 2	--	< 5	< 1	--	< 2	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 5
Chloroform	< 1	< 5	--	< 1	--	< 1	< 5	--	< 1	--	< 1	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 1	--	< 1
Chloromethane	< 1	< 1	--	< 2	--	< 1	< 1	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 1
Cis-1,2-Dichloroethene	13	< 1	--	< 1	--	0.41 J	< 1	--	< 1	--	2.2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	0.25 J	--	< 1

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G33	OLF-G33	OLF-G34	OLF-G34	OLF-G34	OLF-G34	OLF-G34	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G35	OLF-G36	OLF-G36	OLF-G36	OLF-G36
Date	5/21/18	11/20/18	8/10/17	11/14/17	2/15/18	5/30/18	11/19/18	8/9/17	11/15/17	2/16/18	5/21/18	11/15/18	5/8/19	11/19/19	5/26/20	11/17/20	5/6/21	8/10/17	11/15/17	2/19/18	5/30/18
Cis-1,3-Dichloropropene	< 1	8.2	--	< 1	--	< 1	< 1	--	< 1	--	< 1	2.9	0.58 J	0.41 J	0.46 J	0.61 J	< 1.0	--	< 1	--	< 1
Dibromochloromethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Dibromomethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Dichlorodifluoromethane	< 1	< 1	--	< 2	--	< 1	< 1	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 2	--	< 1
Ethylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
Hexachlorobutadiene	< 5	< 1	--	< 1	--	< 5	< 1	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 5
Iodomethane	--	< 5	--	< 2	--	--	< 5	--	< 2	--	--	< 5	< 5	< 10	< 10	< 10	< 5.0	--	< 2	--	--
Isopropyl Benzene (Cumene)	< 1	< 10	--	< 1	--	< 1	< 10	--	< 1	--	< 1	< 10	< 10	--	--	--	< 10	--	< 1	--	< 1
m,p-Xylene	< 1	< 1	--	--	--	< 1	< 1	--	--	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	< 1
Methylene Chloride	< 5	< 1	--	< 2	--	< 5	< 1	--	< 2	--	< 5	< 1	< 1	--	--	--	< 1.0	--	< 2	--	< 5
MTBE	< 10	< 5	--	< 1	--	< 10	< 5	--	< 1	--	< 10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	--	< 1	--	< 10
Naphthalene	< 5	< 10	--	< 2	--	< 5	< 10	--	< 2	--	< 5	< 10	< 10	< 10	< 10	< 10	< 10	--	< 2	--	< 5
N-Butylbenzene	< 1	< 5	--	< 1	--	< 1	< 5	--	< 1	--	< 1	< 5	< 5	--	--	--	< 5.0	--	< 1	--	< 1
N-Propylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
O-Xylene	< 1	< 1	--	--	--	< 1	< 1	--	--	--	< 1	< 1	< 1	--	--	--	< 1.0	--	--	--	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
2-Chlorotoluene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
Sec-Butylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
Styrene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Tert-Butylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	--	< 1
Tetrachloroethylene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Toluene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	0.48 J	< 1.0	< 1.0	--	< 1	--	< 1
Trans-1,2-Dichloroethene	2.9	2.3	--	< 1	--	< 1	< 1	--	< 1	--	< 1	0.45 J (B)	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Trans-1,3-Dichloropropene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Trans-1,4-Dichloro-2-Butene	--	< 2	--	< 2	--	--	< 2	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	--
Trichloroethene	89	97	--	2.8	--	2.3	1.2	--	1.4	--	9.3	11	4.7	0.64 J	< 1.0	< 1.0	3.2	--	4	--	1.3
Trichlorofluoro-methane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 1	--	< 1
Vinyl Acetate	< 2	< 2	--	< 2	--	< 2	< 2	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	--	< 2	--	< 2
Vinyl Chloride	< 1	< 1	--	< 0.8	--	< 1	< 1	--	< 0.8	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 0.8	--	< 1
Xylenes (Total)	< 1	< 1	--	< 3	--	< 1	< 1	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	--	< 3	--	< 1
Dissolved Gases (µg/L)																					
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																					
Sodium	2.4	2.3	1.94	1.95	2.14	0.76 J	0.62 J	3.24	0.592 J	3.54	2.9	3.3	3	--	--	--	--	3.61	4.58	4.02	3.1
General Chemistry (mg/L)																					
Sulfate	1.2	--	3.58	3.43	3.14	2.2	--	11.6	2.07	10.6	11	8.1	12	--	--	--	--	15.6	15.6	15.5	16
TOC	--	1.4	--	--	--	3.5	1.2	--	--	--	--	--	--	--	--	--	--	--	0.7 J	--	< 1

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	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
Date	11/19/18	5/9/19	11/19/19	05/27/20	11/17/20	5/7/21	11/14/17	5/22/18	11/28/18	5/9/19	11/18/19	5/26/20	11/16/20	5/6/21	11/14/17	5/22/18	11/15/18	5/8/19	11/18/19	5/26/20	
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,1,1-Trichloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,1,2,2-Tetrachloroethane	< 1	1.4	1.2	< 1.0	< 1.0	< 1.0	2	1.9	1.9	2.3	1.3	< 1.0	< 1.0	1.5	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	--	--	< 1.0	< 1	--	< 1	< 1	--	--	--	< 1.0	< 1	--	< 1	< 1	--	--	
1,1,2-Trichloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.38 J	< 1	0.4 J	0.35 J	< 1.0	< 1.0	0.35 J	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,1-Dichloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,1-Dichloroethene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,1-Dichloropropene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	
1,2,3-Trichlorobenzene	< 5	< 5	--	--	--	< 5.0	< 1	< 5	< 5	< 5	--	--	--	< 5.0	< 1	< 5	< 5	< 5	--	--	
1,2,3-Trichloropropane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,2,4-Trichlorobenzene	< 5	< 5	--	--	--	< 5.0	< 1	< 5	< 5	< 5	--	--	--	< 5.0	< 1	< 5	< 5	< 5	--	--	
1,2,4-Trimethylbenzene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0	
1,2-Dibromoethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,2-Dichlorobenzene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,2-Dichloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,2-Dichloropropane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,3,5-Trimethylbenzene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	
1,3-Dichlorobenzene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	
1,3-Dichloropropane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
1,4-Dichlorobenzene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
2,2-Dichloropropane	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 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	
2-Hexanone	< 1	< 1	--	--	--	< 1.0	< 10	< 10	< 1	< 1	--	--	--	< 1.0	< 10	< 10	< 1	< 1	--	--	
4-Chlorotoluene	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	
4-Methyl-2-Pentanone (MIBK)	< 1	< 1	--	--	--	< 1.0	< 10	< 10	< 1	< 1	--	--	--	< 1.0	< 10	< 10	< 1	< 1	--	--	
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	
Acrylonitrile	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 10	
Benzene	< 20	< 20	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20	
Bromobenzene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	0.55 J	< 1.0	
Bromochloromethane	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	
Bromodichloromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
Bromoform	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
Bromomethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	
Carbon Disulfide	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 1	< 2	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 1	< 2	< 5	< 5	< 5.0 *	< 5.0 *	
Carbon Tetrachloride	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	
Chlorobenzene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	
Chloroethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	
Chloroform	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0	
Chloromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	
Cis-1,2-Dichloroethene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	4.2	4.2	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.97 J	1.1	< 1	< 1	< 1.0	< 1.0	

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	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
Date	11/19/18	5/9/19	11/19/19	05/27/20	11/17/20	5/7/21	11/14/17	5/22/18	11/28/18	5/9/19	11/18/19	5/26/20	11/16/20	5/6/21	11/14/17	5/22/18	11/15/18	5/8/19	11/18/19	5/26/20
Cis-1,3-Dichloropropene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	4.6	3.7	3.3	< 1.0	4.3	3.9	< 1	< 1	1.1	< 1	0.80 J	0.87 J
Dibromochloromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Dibromomethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Dichlorodifluoromethane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0
Ethylbenzene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--
Hexachlorobutadiene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1	1.5	< 1.0
Iodomethane	< 5	< 5	< 10	< 10	< 10	< 5.0	< 2	--	< 5	< 5	< 10	< 10	< 10 (UJ)	< 5.0	< 2	--	< 5	< 5	< 10	< 10
Isopropyl Benzene (Cumene)	< 10	< 10 (UJ)	--	--	--	< 10	< 1	< 1	< 10	< 10 (UJ)	--	--	--	< 10	< 1	< 1	< 10	< 10	--	--
m,p-Xylene	< 1	< 1	--	--	--	< 1.0	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	< 1	< 1	--	--
Methylene Chloride	< 1	< 1	--	--	--	< 1.0	< 2	< 5	< 1	< 1	--	--	--	< 1.0	< 2	< 5	< 1	< 1	--	--
MTBE	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0
Naphthalene	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10
N-Butylbenzene	< 5	< 5	--	--	--	< 5.0	< 1	< 1	< 5	< 5	--	--	--	< 5.0	< 1	< 1	< 5	< 5	--	--
N-Propylbenzene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--
O-Xylene	< 1	< 1	--	--	--	< 1.0	--	< 1	< 1	< 1	--	--	--	< 1.0	--	< 1	< 1	< 1	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--
2-Chlorotoluene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--
Sec-Butylbenzene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--
Styrene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Tert-Butylbenzene	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--
Tetrachloroethylene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	0.75 J	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Toluene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	2.5	< 1.0
Trans-1,2-Dichloroethene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	1.2	1.3	1.3	1.1	0.89 J	< 1.0	1.2	1	0.25 J	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,3-Dichloropropene	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0
Trichloroethene	0.61 J	0.61 J	< 1.0	< 1.0	< 1.0	< 1.0	29	32	34	34	24	1.8	30	21	3.5	3.9	3.8	1.2	3.9	4.3
Trichlorofluoro-methane	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Vinyl Acetate	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0
Vinyl Chloride	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0
Xylenes (Total)	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1	8.4	< 1.0
Dissolved Gases (µg/L)																				
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																				
Sodium	3.3	3.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)																				
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOC	14	13	--	--	--	--	--	< 1	--	--	--	--	--	--	--	< 1	--	--	--	--

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G48	OLF-G48	OLF-G49	OLF-G49	OLF-G49	OLF-G49	OLF-G50	OLF-G50	OLF-G50	OLF-G50	OLF-G51	OLF-G51	OLF-G51	OLF-G51	OLF-G52	OLF-G52	OLF-G52	OLF-G52
Date	11/16/20	5/6/21	11/13/19	5/20/20	11/17/20	5/12/21	11/13/19	5/20/20	11/17/20	5/12/21	11/13/19	5/20/20	11/17/20	5/12/21	11/8/17	5/21/18	11/20/18	5/9/19
Volatile Organic Compounds (µg/L)																		
1,1,1,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	13	18	19	21	2.5	0.89 J	2.1	< 1.0	< 1	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	--	< 1	< 1
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.57 J	0.57 J	0.70 J	0.63 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1-Dichloropropene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	--	< 5.0	< 5.0	--	--	< 5.0	< 5.0	--	--	< 5.0	< 5.0	--	--	< 5.0	< 1	< 5	< 5	< 5
1,2,3-Trichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	--	< 5.0	< 5.0	--	--	< 5.0	< 5.0	--	--	< 5.0	< 5.0	--	--	< 5.0	< 1	< 5	< 5	< 5
1,2,4-Trimethylbenzene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5
1,2-Dibromoethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
2,2-Dichloropropane	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 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
2-Hexanone	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 10	< 10	< 1	< 1
4-Chlorotoluene	< 10	< 10	< 10	< 10 *	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 1	< 1	< 10	< 10
4-Methyl-2-Pentanone (MIBK)	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 10	< 10	< 1	< 1
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10
Benzene	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20
Bromobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromochloromethane	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromoform	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromomethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0 *	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 *	< 5.0	< 5.0	< 1	< 2	< 5	< 5
Carbon Tetrachloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 2	< 2
Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 1	< 5	< 5
Chloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1
Cis-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.6	1.7	< 1	< 1

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G48	OLF-G48	OLF-G49	OLF-G49	OLF-G49	OLF-G49	OLF-G50	OLF-G50	OLF-G50	OLF-G50	OLF-G51	OLF-G51	OLF-G51	OLF-G51	OLF-G52	OLF-G52	OLF-G52	OLF-G52
Date	11/16/20	5/6/21	11/13/19	5/20/20	11/17/20	5/12/21	11/13/19	5/20/20	11/17/20	5/12/21	11/13/19	5/20/20	11/17/20	5/12/21	11/8/17	5/21/18	11/20/18	5/9/19
Cis-1,3-Dichloropropene	1.3	0.87 J	< 1.0	< 1.0	< 1.0	< 1.0	5.1	5.1	7.3	7.5	1.8	0.44 J	1.3	< 1.0	< 1	< 1	1.3	1.2
Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Dibromomethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 * *1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1
Ethylbenzene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1
Iodomethane	< 10 (UJ)	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0	< 10	< 10	< 5.0	< 5.0	< 10	< 10	< 5.0	< 2	--	< 5	< 5
Isopropyl Benzene (Cumene)	--	< 10	< 10	--	--	< 10	< 10	--	--	< 10	< 10	--	--	< 10	< 1	< 1	< 10	< 10 (UJ)
m,p-Xylene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	--	< 1	< 1	< 1
Methylene Chloride	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 2	< 5	< 1	< 1
MTBE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 10	< 5	< 5
Naphthalene	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10
N-Butylbenzene	--	< 5.0	< 5.0	--	--	< 5.0	< 5.0	--	--	< 5.0	< 5.0	--	--	< 5.0	< 1	< 1	< 5	< 5
N-Propylbenzene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
O-Xylene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	--	< 1	< 1	< 1
P-Isopropyltoluene (Cymene)	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
2-Chlorotoluene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
Sec-Butylbenzene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
Styrene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Tert-Butylbenzene	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Toluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1 *	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Trans-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	1.3	1.1	1.4	1.7	0.44 J	< 1.0	< 1.0	< 1.0	0.36 J	0.48 J	0.56 J	< 1
Trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2
Trichloroethene	4.1	3.3	< 1.0	< 1.0	< 1.0	< 1.0	53	59	71	93	14	3.2	12	2.3	6.7	7.7	8.7	5.9
Trichlorofluoro-methane	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2
Vinyl Chloride	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1
Xylenes (Total)	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1
Dissolved Gases (µg/L)																		
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																		
Sodium	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)																		
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1	--	--

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70
Date	11/11/19	5/19/20	11/16/20	5/10/21	11/8/17	5/21/18	11/26/18	5/15/19	11/18/19	5/19/20	11/12/20	5/7/21
Volatile Organic Compounds (µg/L)												
1,1,1,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1.0	--	--	< 1.0	< 1	--	< 1	< 1	--	--	--	< 1.0
1,1,2-Trichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloropropene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
1,2,3-Trichlorobenzene	< 5.0	--	--	< 5.0	< 1	< 5	< 5	< 5	--	--	--	< 5.0
1,2,3-Trichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 5.0	--	--	< 5.0	< 1	< 5	< 5	< 5	--	--	--	< 5.0
1,2,4-Trimethylbenzene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
1,2-Dibromo-3-Chloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0
1,2-Dibromoethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
1,3-Dichlorobenzene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
1,3-Dichloropropane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
2,2-Dichloropropane	< 1.0 *	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	< 1.0	--	--	< 1.0	< 10	< 10	< 1	< 1	--	--	--	< 1.0
4-Chlorotoluene	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone (MIBK)	< 1.0	--	--	< 1.0	< 10	< 10	< 1	< 1	--	--	--	< 1.0
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10
Benzene	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 20	< 20
Bromobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
Bromodichloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Carbon Disulfide	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 2	< 5	< 5 (UJ)	< 5.0 *	< 5.0 **1	< 5.0	< 5.0
Carbon Tetrachloride	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0
Chloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Cis-1,2-Dichloroethene	< 1.0	< 1.0	< 1.0	< 1.0	1.7	1.4	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 4 Post Remediation

Well ID	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70
Date	11/11/19	5/19/20	11/16/20	5/10/21	11/8/17	5/21/18	11/26/18	5/15/19	11/18/19	5/19/20	11/12/20	5/7/21
Cis-1,3-Dichloropropene	1.4	2.1	1.9	1.7	< 1	< 1	1.8	1.4	1.5	2.3	1.8	1.7
Dibromochloromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
Hexachlorobutadiene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Iodomethane	< 5.0	< 10	< 10	< 5.0	< 2	--	< 5	< 5	< 10	< 10	< 10	< 5.0
Isopropyl Benzene (Cumene)	< 10	--	--	< 10	< 1	< 1	< 10	< 10	--	--	--	< 10
m,p-Xylene	< 1.0	--	--	< 1.0	--	< 1	< 1	< 1	--	--	--	< 1.0
Methylene Chloride	< 1.0	--	--	< 1.0	< 2	< 5	< 1	< 1	--	--	--	< 1.0
MTBE	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 10	< 10
N-Butylbenzene	< 5.0	--	--	< 5.0	< 1	< 1	< 5	< 5	--	--	--	< 5.0
N-Propylbenzene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
O-Xylene	< 1.0	--	--	< 1.0	--	< 1	< 1	< 1	--	--	--	< 1.0
P-Isopropyltoluene (Cymene)	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
2-Chlorotoluene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
Sec-Butylbenzene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
Styrene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Tert-Butylbenzene	< 1.0	--	--	< 1.0	< 1	< 1	< 1	< 1	--	--	--	< 1.0
Tetrachloroethylene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,2-Dichloroethene	0.44 J	0.58 J	0.44 J	< 1.0	0.42 J	0.48 J	0.57 J	< 1	< 1.0	0.55 J	0.43 J	< 1.0
Trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0
Trichloroethene	6.6	9.7	7.6	8.9	7.4	8.2	8.1	9.3	6.8	12	9.3	7.8
Trichlorofluoro-methane	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Acetate	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0
Vinyl Chloride	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1.0	< 1.0
Xylenes (Total)	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0
Dissolved Gases (µg/L)												
Ethane	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)												
Sodium	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)												
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--
TOC	--	--	--	--	--	< 1	--	--	--	--	--	--

Footnotes on last page.

Lab Flag

J = Result is estimated; detected between the method detection limit and the reporting limit.

F1 = MS and/or MSD recovery is outside acceptance limits.

F2 = MS/MSD RPD exceeds control limits.

* = LCS or LCSD outside acceptance limits.

*1 = LCS/LCSD RPD exceeds control limits.

Validation Flag (in parenthesis)

B = Analyte detected in an associated blank.

Appendix D
Laboratory Reports

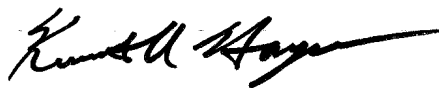
ANALYTICAL REPORT

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

Laboratory Job ID: 680-191468-1
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:
11/25/2020 4:05:44 PM

Ken Hayes, Project Manager II
(615)301-5035
Ken.Hayes@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: 680-191468-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
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.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

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.

General Chemistry

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: 680-191468-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-191468-1	OLF-G71 PORT 1	Water	11/12/20 10:05	11/13/20 09:30	
680-191468-2	OLF-G71 PORT 2	Water	11/12/20 10:20	11/13/20 09:30	
680-191468-3	OLF-G71 PORT 3	Water	11/12/20 10:35	11/13/20 09:30	
680-191468-4	OLF-G71 PORT 4	Water	11/12/20 11:00	11/13/20 09:30	
680-191468-5	OLF-G71 PORT 5	Water	11/12/20 11:20	11/13/20 09:30	
680-191468-6	OLF-G73 PORT 1	Water	11/10/20 14:05	11/13/20 09:30	
680-191468-7	OLF-G73 PORT 2	Water	11/10/20 14:35	11/13/20 09:30	
680-191468-8	OLF-G73 PORT 3	Water	11/10/20 15:00	11/13/20 09:30	
680-191468-9	OLF-G73 PORT 4	Water	11/10/20 15:30	11/13/20 09:30	
680-191468-10	OLF-G73 PORT 5	Water	11/10/20 16:00	11/13/20 09:30	
680-191468-11	OLF-G75 Screen 1	Water	11/11/20 09:45	11/13/20 09:30	
680-191468-12	OLF-G75 Screen 2	Water	11/11/20 08:25	11/13/20 09:30	
680-191468-13	OLF-G75 Screen 3	Water	11/10/20 15:10	11/13/20 09:30	
680-191468-14	OLF-G75 Screen 4	Water	11/10/20 12:40	11/13/20 09:30	
680-191468-15	OLF-G75 Screen 5	Water	11/10/20 10:55	11/13/20 09:30	
680-191468-16	OLF-G75 Screen 6	Water	11/10/20 09:05	11/13/20 09:30	
680-191468-17	DUP363	Water	11/11/20 00:00	11/13/20 09:30	
680-191468-18	DUP361	Water	11/11/20 00:00	11/13/20 09:30	
680-191468-19	OLF-G77	Water	11/10/20 09:36	11/13/20 09:30	
680-191468-20	OLF-G42	Water	11/11/20 11:55	11/13/20 09:30	
680-191468-21	OLF-G78	Water	11/10/20 10:56	11/13/20 09:30	
680-191468-22	TB570	Water	11/12/20 14:00	11/13/20 09:30	
680-191468-23	OLF-G31	Water	11/12/20 08:35	11/13/20 09:30	
680-191468-24	OLF-G70	Water	11/12/20 12:10	11/13/20 09:30	
680-191468-25	OLF-G32	Water	11/12/20 10:00	11/13/20 09:30	
680-191468-26	DUP362	Water	11/12/20 00:00	11/13/20 09:30	

Case Narrative

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

Job ID: 680-191468-1

Job ID: 680-191468-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-191468-1

Comments

No additional comments.

Receipt

The samples were received on 11/13/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.1° C and 2.0° C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-645311.

Method 8260B: The CCV associated with batch 645436 fails for Iodomethane. This analyte has been identified as a poor performer. (CCVIS 680-645436/3)

Method 8260B: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-645436 recovered outside control limits for the following analyte(s): Acrylonitrile, Acetone, MIBK, Methyl Acetate, 2-Butanone, 2-Hexanone, Iodomethane. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-645436 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 8260B: The LCS associated with batch 645276 failed surrogate 1,2-Dichloroethane-d4 (Surr) 4% high. Target analytes were all acceptable. The surrogates passed in the LCSD and all samples. (LCS 680-645276/3)

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-645528.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: OLF-G77 (680-191468-19). Elevated reporting limits (RLs) are provided.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-645558.

Method 8260B: The method blank for preparation batch 645697 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 8260B: The method blank for analytical batch 680-645558 contained Cis-1,2-Dichloroethane above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

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

HPLC/IC

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

GC Semi VOA

Method RSK-175: The method blank for analytical batch 680-645273 contained Methane above the method detection limit (MDL). Associated samples were not re-analyzed because results were greater than 10X the value found in the method blank.

Case Narrative

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

Job ID: 680-191468-1

Job ID: 680-191468-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Method RSK-175: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-645273 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Methane in the MS/MSD was above the instrument calibration range. The data has been reported and qualified.

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: 680-191468-1

Client Sample ID: OLF-G71 PORT 1

Lab Sample ID: 680-191468-1

Date Collected: 11/12/20 10:05

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 21:32	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 21:32	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 21:32	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 21:32	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 21:32	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 21:32	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 21:32	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 21:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 21:32	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 21:32	1
Chlorobenzene	2.3		1.0	0.26	ug/L			11/24/20 21:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 21:32	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 21:32	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 21:32	1
cis-1,2-Dichloroethene	31		1.0	0.41	ug/L			11/24/20 21:32	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 21:32	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 21:32	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 21:32	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 21:32	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 21:32	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 21:32	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 21:32	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 21:32	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 21:32	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 21:32	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 21:32	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 21:32	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 21:32	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 21:32	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 21:32	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 21:32	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 21:32	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 21:32	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 21:32	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 21:32	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 21:32	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 21:32	1
Toluene	6.4		1.0	0.48	ug/L			11/24/20 21:32	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 21:32	1
trans-1,2-Dichloroethene	9.2		1.0	0.37	ug/L			11/24/20 21:32	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 21:32	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 21:32	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 21:32	1
Trichloroethene	10		1.0	0.48	ug/L			11/24/20 21:32	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 21:32	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 21:32	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 21:32	1
Vinyl chloride	2.4		1.0	0.50	ug/L			11/24/20 21:32	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 21:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G71 PORT 1

Lab Sample ID: 680-191468-1

Date Collected: 11/12/20 10:05

Matrix: Water

Date Received: 11/13/20 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130		11/24/20 21:32	1
Dibromofluoromethane (Surr)	110		70 - 130		11/24/20 21:32	1
1,2-Dichloroethane-d4 (Surr)	102		60 - 124		11/24/20 21:32	1
Toluene-d8 (Surr)	101		70 - 130		11/24/20 21:32	1

Client Sample ID: OLF-G71 PORT 2

Lab Sample ID: 680-191468-2

Date Collected: 11/12/20 10:20

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 21:58	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 21:58	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 21:58	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 21:58	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 21:58	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 21:58	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 21:58	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 21:58	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 21:58	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 21:58	1
Chlorobenzene	1.2		1.0	0.26	ug/L			11/24/20 21:58	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 21:58	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 21:58	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 21:58	1
cis-1,2-Dichloroethene	40		1.0	0.41	ug/L			11/24/20 21:58	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 21:58	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 21:58	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 21:58	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 21:58	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 21:58	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 21:58	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 21:58	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 21:58	1
1,2-Dichloroethane	0.50	J	1.0	0.50	ug/L			11/24/20 21:58	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 21:58	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 21:58	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 21:58	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 21:58	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 21:58	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 21:58	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 21:58	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 21:58	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 21:58	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 21:58	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 21:58	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 21:58	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 21:58	1
Toluene	1.7		1.0	0.48	ug/L			11/24/20 21:58	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 21:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G71 PORT 2

Lab Sample ID: 680-191468-2

Date Collected: 11/12/20 10:20

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	2.5		1.0	0.37	ug/L			11/24/20 21:58	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 21:58	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 21:58	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 21:58	1
Trichloroethene	4.6		1.0	0.48	ug/L			11/24/20 21:58	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 21:58	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 21:58	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 21:58	1
Vinyl chloride	2.0		1.0	0.50	ug/L			11/24/20 21:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 21:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130		11/24/20 21:58	1
Dibromofluoromethane (Surr)	109		70 - 130		11/24/20 21:58	1
1,2-Dichloroethane-d4 (Surr)	108		60 - 124		11/24/20 21:58	1
Toluene-d8 (Surr)	101		70 - 130		11/24/20 21:58	1

Client Sample ID: OLF-G71 PORT 3

Lab Sample ID: 680-191468-3

Date Collected: 11/12/20 10:35

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 22:24	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 22:24	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 22:24	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 22:24	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 22:24	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 22:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 22:24	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 22:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 22:24	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 22:24	1
Chlorobenzene	1.8		1.0	0.26	ug/L			11/24/20 22:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 22:24	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 22:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 22:24	1
cis-1,2-Dichloroethene	19		1.0	0.41	ug/L			11/24/20 22:24	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 22:24	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 22:24	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 22:24	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 22:24	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 22:24	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 22:24	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 22:24	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 22:24	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 22:24	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 22:24	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 22:24	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 22:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G71 PORT 3

Lab Sample ID: 680-191468-3

Date Collected: 11/12/20 10:35

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 22:24	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 22:24	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 22:24	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 22:24	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 22:24	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 22:24	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 22:24	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 22:24	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 22:24	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 22:24	1
Toluene	0.99	J	1.0	0.48	ug/L			11/24/20 22:24	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 22:24	1
trans-1,2-Dichloroethene	3.9		1.0	0.37	ug/L			11/24/20 22:24	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 22:24	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 22:24	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 22:24	1
Trichloroethene	33		1.0	0.48	ug/L			11/24/20 22:24	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 22:24	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 22:24	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 22:24	1
Vinyl chloride	2.7		1.0	0.50	ug/L			11/24/20 22:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 22:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130					11/24/20 22:24	1
Dibromofluoromethane (Surr)	108		70 - 130					11/24/20 22:24	1
1,2-Dichloroethane-d4 (Surr)	117		60 - 124					11/24/20 22:24	1
Toluene-d8 (Surr)	99		70 - 130					11/24/20 22:24	1

Client Sample ID: OLF-G71 PORT 4

Lab Sample ID: 680-191468-4

Date Collected: 11/12/20 11:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 22:49	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 22:49	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 22:49	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 22:49	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 22:49	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 22:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 22:49	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 22:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 22:49	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 22:49	1
Chlorobenzene	0.28	J	1.0	0.26	ug/L			11/24/20 22:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 22:49	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 22:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 22:49	1
cis-1,2-Dichloroethene	7.9		1.0	0.41	ug/L			11/24/20 22:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G71 PORT 4

Lab Sample ID: 680-191468-4

Date Collected: 11/12/20 11:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 22:49	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 22:49	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 22:49	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 22:49	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 22:49	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 22:49	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 22:49	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 22:49	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 22:49	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 22:49	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 22:49	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 22:49	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 22:49	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 22:49	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 22:49	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 22:49	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 22:49	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 22:49	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 22:49	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 22:49	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 22:49	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 22:49	1
Toluene	1.4		1.0	0.48	ug/L			11/24/20 22:49	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 22:49	1
trans-1,2-Dichloroethene	1.3		1.0	0.37	ug/L			11/24/20 22:49	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 22:49	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 22:49	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 22:49	1
Trichloroethene	4.9		1.0	0.48	ug/L			11/24/20 22:49	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 22:49	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 22:49	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 22:49	1
Vinyl chloride	1.2		1.0	0.50	ug/L			11/24/20 22:49	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130		11/24/20 22:49	1
Dibromofluoromethane (Surr)	110		70 - 130		11/24/20 22:49	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		11/24/20 22:49	1
Toluene-d8 (Surr)	102		70 - 130		11/24/20 22:49	1

Client Sample ID: OLF-G71 PORT 5

Lab Sample ID: 680-191468-5

Date Collected: 11/12/20 11:20

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 23:15	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 23:15	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 23:15	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G71 PORT 5

Lab Sample ID: 680-191468-5

Date Collected: 11/12/20 11:20

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 23:15	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 23:15	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 23:15	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 23:15	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 23:15	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 23:15	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 23:15	1
Chlorobenzene	0.40	J	1.0	0.26	ug/L			11/24/20 23:15	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 23:15	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 23:15	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 23:15	1
cis-1,2-Dichloroethene	8.4		1.0	0.41	ug/L			11/24/20 23:15	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 23:15	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 23:15	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 23:15	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 23:15	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 23:15	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 23:15	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 23:15	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 23:15	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 23:15	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 23:15	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 23:15	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 23:15	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 23:15	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 23:15	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 23:15	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 23:15	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 23:15	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 23:15	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 23:15	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 23:15	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 23:15	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 23:15	1
Toluene	1.4		1.0	0.48	ug/L			11/24/20 23:15	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 23:15	1
trans-1,2-Dichloroethene	1.3		1.0	0.37	ug/L			11/24/20 23:15	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 23:15	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 23:15	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 23:15	1
Trichloroethene	5.8		1.0	0.48	ug/L			11/24/20 23:15	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 23:15	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 23:15	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 23:15	1
Vinyl chloride	1.3		1.0	0.50	ug/L			11/24/20 23:15	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130		11/24/20 23:15	1
Dibromofluoromethane (Surr)	106		70 - 130		11/24/20 23:15	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G71 PORT 5

Lab Sample ID: 680-191468-5

Date Collected: 11/12/20 11:20

Matrix: Water

Date Received: 11/13/20 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		60 - 124		11/24/20 23:15	1
Toluene-d8 (Surr)	101		70 - 130		11/24/20 23:15	1

Client Sample ID: OLF-G73 PORT 1

Lab Sample ID: 680-191468-6

Date Collected: 11/10/20 14:05

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 16:09	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 16:09	1
Benzene	0.66	J	1.0	0.43	ug/L			11/23/20 16:09	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 16:09	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 16:09	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 16:09	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 16:09	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 16:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 16:09	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 16:09	1
Chlorobenzene	69		1.0	0.26	ug/L			11/23/20 16:09	1
Chloroethane	7.5		5.0	2.5	ug/L			11/23/20 16:09	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 16:09	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 16:09	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/20 16:09	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 16:09	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 16:09	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 16:09	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 16:09	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 16:09	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 16:09	1
1,4-Dichlorobenzene	0.46	J	1.0	0.46	ug/L			11/23/20 16:09	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 16:09	1
1,2-Dichloroethane	1.3		1.0	0.50	ug/L			11/23/20 16:09	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 16:09	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 16:09	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 16:09	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 16:09	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 16:09	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 16:09	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 16:09	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 16:09	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 16:09	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 16:09	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 16:09	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 16:09	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 16:09	1
Toluene	4.5		1.0	0.48	ug/L			11/23/20 16:09	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 16:09	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 16:09	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G73 PORT 1

Lab Sample ID: 680-191468-6

Date Collected: 11/10/20 14:05

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 16:09	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 16:09	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 16:09	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/20 16:09	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 16:09	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 16:09	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 16:09	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 16:09	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		11/23/20 16:09	1
Dibromofluoromethane (Surr)	101		70 - 130		11/23/20 16:09	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 124		11/23/20 16:09	1
Toluene-d8 (Surr)	105		70 - 130		11/23/20 16:09	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	90		1.1	0.55	ug/L			11/23/20 14:19	1
Ethene	75		1.0	0.50	ug/L			11/23/20 14:19	1
Methane (TCD)	14000		390	39	ug/L			11/23/20 14:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.6		1.0	0.50	mg/L			11/20/20 06:01	1
Total Organic Carbon - Quad	1.6		1.0	0.50	mg/L			11/20/20 06:01	1

Client Sample ID: OLF-G73 PORT 2

Lab Sample ID: 680-191468-7

Date Collected: 11/10/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 16:33	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 16:33	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 16:33	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 16:33	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 16:33	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 16:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 16:33	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 16:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 16:33	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 16:33	1
Chlorobenzene	18		1.0	0.26	ug/L			11/23/20 16:33	1
Chloroethane	2.7	J	5.0	2.5	ug/L			11/23/20 16:33	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 16:33	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 16:33	1
cis-1,2-Dichloroethene	1.0		1.0	0.41	ug/L			11/23/20 16:33	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 16:33	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 16:33	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 16:33	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G73 PORT 2

Lab Sample ID: 680-191468-7

Date Collected: 11/10/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 16:33	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 16:33	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 16:33	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 16:33	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 16:33	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 16:33	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 16:33	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 16:33	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 16:33	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 16:33	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 16:33	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 16:33	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 16:33	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 16:33	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 16:33	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 16:33	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 16:33	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 16:33	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 16:33	1
Toluene	0.84	J	1.0	0.48	ug/L			11/23/20 16:33	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 16:33	1
trans-1,2-Dichloroethene	4.4		1.0	0.37	ug/L			11/23/20 16:33	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 16:33	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 16:33	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 16:33	1
Trichloroethene	3.8		1.0	0.48	ug/L			11/23/20 16:33	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 16:33	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 16:33	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 16:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 16:33	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		11/23/20 16:33	1
Dibromofluoromethane (Surr)	100		70 - 130		11/23/20 16:33	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		11/23/20 16:33	1
Toluene-d8 (Surr)	109		70 - 130		11/23/20 16:33	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	13		1.1	0.55	ug/L			11/23/20 14:32	1
Ethene	3.9		1.0	0.50	ug/L			11/23/20 14:32	1
Methane (TCD)	4600		390	39	ug/L			11/23/20 14:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.6		1.0	0.50	mg/L			11/20/20 06:18	1
Total Organic Carbon - Quad	1.6		1.0	0.50	mg/L			11/20/20 06:18	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G73 PORT 3

Lab Sample ID: 680-191468-8

Date Collected: 11/10/20 15:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 16:58	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 16:58	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 16:58	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 16:58	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 16:58	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 16:58	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 16:58	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 16:58	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 16:58	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 16:58	1
Chlorobenzene	1.9		1.0	0.26	ug/L			11/23/20 16:58	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 16:58	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 16:58	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 16:58	1
cis-1,2-Dichloroethene	12		1.0	0.41	ug/L			11/23/20 16:58	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 16:58	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 16:58	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 16:58	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 16:58	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 16:58	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 16:58	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 16:58	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 16:58	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 16:58	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 16:58	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 16:58	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 16:58	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 16:58	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 16:58	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 16:58	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 16:58	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 16:58	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 16:58	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 16:58	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 16:58	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 16:58	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 16:58	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 16:58	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 16:58	1
trans-1,2-Dichloroethene	5.8		1.0	0.37	ug/L			11/23/20 16:58	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 16:58	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 16:58	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 16:58	1
Trichloroethene	39		1.0	0.48	ug/L			11/23/20 16:58	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 16:58	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 16:58	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 16:58	1
Vinyl chloride	2.4		1.0	0.50	ug/L			11/23/20 16:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 16:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G73 PORT 3

Lab Sample ID: 680-191468-8

Date Collected: 11/10/20 15:00

Matrix: Water

Date Received: 11/13/20 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		11/23/20 16:58	1
Dibromofluoromethane (Surr)	99		70 - 130		11/23/20 16:58	1
1,2-Dichloroethane-d4 (Surr)	86		60 - 124		11/23/20 16:58	1
Toluene-d8 (Surr)	106		70 - 130		11/23/20 16:58	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.2		1.1	0.55	ug/L			11/23/20 14:45	1
Ethene	4.2		1.0	0.50	ug/L			11/23/20 14:45	1
Methane (TCD)	6100		390	39	ug/L			11/23/20 14:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.1		1.0	0.50	mg/L			11/20/20 06:36	1
Total Organic Carbon - Quad	1.1		1.0	0.50	mg/L			11/20/20 06:36	1

Client Sample ID: OLF-G73 PORT 4

Lab Sample ID: 680-191468-9

Date Collected: 11/10/20 15:30

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 20:46	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 20:46	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 20:46	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 20:46	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 20:46	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 20:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 20:46	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 20:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 20:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 20:46	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 20:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 20:46	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 20:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 20:46	1
cis-1,2-Dichloroethene	0.85	J	1.0	0.41	ug/L			11/23/20 20:46	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 20:46	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 20:46	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 20:46	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 20:46	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 20:46	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 20:46	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 20:46	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 20:46	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 20:46	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 20:46	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 20:46	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 20:46	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 20:46	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 20:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G73 PORT 4

Lab Sample ID: 680-191468-9

Date Collected: 11/10/20 15:30

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 20:46	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 20:46	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 20:46	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 20:46	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 20:46	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 20:46	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 20:46	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 20:46	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 20:46	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 20:46	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 20:46	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 20:46	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 20:46	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 20:46	1
Trichloroethene	4.7		1.0	0.48	ug/L			11/23/20 20:46	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 20:46	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 20:46	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 20:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 20:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		11/23/20 20:46	1
Dibromofluoromethane (Surr)	105		70 - 130		11/23/20 20:46	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		11/23/20 20:46	1
Toluene-d8 (Surr)	99		70 - 130		11/23/20 20:46	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.55	U	1.1	0.55	ug/L			11/23/20 16:09	1
Ethene	1.0		1.0	0.50	ug/L			11/23/20 16:09	1
Methane (TCD)	640		390	39	ug/L			11/23/20 16:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.1		1.0	0.50	mg/L			11/20/20 06:53	1
Total Organic Carbon - Quad	1.1		1.0	0.50	mg/L			11/20/20 06:53	1

Client Sample ID: OLF-G73 PORT 5

Lab Sample ID: 680-191468-10

Date Collected: 11/10/20 16:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 17:22	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 17:22	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 17:22	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 17:22	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 17:22	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 17:22	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 17:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G73 PORT 5

Lab Sample ID: 680-191468-10

Date Collected: 11/10/20 16:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 17:22	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 17:22	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 17:22	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 17:22	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 17:22	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 17:22	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 17:22	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/20 17:22	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 17:22	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 17:22	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 17:22	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 17:22	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 17:22	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 17:22	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 17:22	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 17:22	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 17:22	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 17:22	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 17:22	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 17:22	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 17:22	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 17:22	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 17:22	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 17:22	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 17:22	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 17:22	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 17:22	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 17:22	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 17:22	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 17:22	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 17:22	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 17:22	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 17:22	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 17:22	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 17:22	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 17:22	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/20 17:22	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 17:22	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 17:22	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 17:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 17:22	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		11/23/20 17:22	1
Dibromofluoromethane (Surr)	99		70 - 130		11/23/20 17:22	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 124		11/23/20 17:22	1
Toluene-d8 (Surr)	107		70 - 130		11/23/20 17:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G73 PORT 5

Lab Sample ID: 680-191468-10

Date Collected: 11/10/20 16:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.55	U	1.1	0.55	ug/L			11/23/20 16:22	1
Ethene	0.51	J	1.0	0.50	ug/L			11/23/20 16:22	1
Methane (TCD)	560		390	39	ug/L			11/23/20 16:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.95	J	1.0	0.50	mg/L			11/20/20 07:11	1
Total Organic Carbon - Quad	0.95	J	1.0	0.50	mg/L			11/20/20 07:11	1

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-191468-11

Date Collected: 11/11/20 09:45

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			11/24/20 07:43	1
Acrylonitrile	10	U *	20	10	ug/L			11/24/20 07:43	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 07:43	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 07:43	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 07:43	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 07:43	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 07:43	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			11/24/20 07:43	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 07:43	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 07:43	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 07:43	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 07:43	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 07:43	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 07:43	1
cis-1,2-Dichloroethene	0.48	J B	1.0	0.41	ug/L			11/24/20 20:10	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 07:43	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 07:43	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 07:43	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 07:43	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 07:43	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 07:43	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 07:43	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 07:43	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 07:43	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 07:43	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 07:43	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 07:43	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 07:43	1
2-Hexanone	2.0	U *	10	2.0	ug/L			11/24/20 07:43	1
Iodomethane	5.0	U *	10	5.0	ug/L			11/24/20 07:43	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 07:43	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/24/20 07:43	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 07:43	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 07:43	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 07:43	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-191468-11

Date Collected: 11/11/20 09:45

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 07:43	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 07:43	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 07:43	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 07:43	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 07:43	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 07:43	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 07:43	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 07:43	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 07:43	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 07:43	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 07:43	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 07:43	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 07:43	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 07:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		11/24/20 07:43	1
Dibromofluoromethane (Surr)	93		70 - 130		11/24/20 07:43	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		11/24/20 07:43	1
Toluene-d8 (Surr)	91		70 - 130		11/24/20 07:43	1

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-191468-12

Date Collected: 11/11/20 08:25

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			11/24/20 08:07	1
Acrylonitrile	10	U *	20	10	ug/L			11/24/20 08:07	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 08:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 08:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 08:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 08:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 08:07	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			11/24/20 08:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 08:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 08:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 08:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 08:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 08:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 08:07	1
cis-1,2-Dichloroethene	0.46	J B	1.0	0.41	ug/L			11/24/20 20:35	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 08:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 08:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 08:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 08:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 08:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 08:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 08:07	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 08:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-191468-12

Date Collected: 11/11/20 08:25

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 08:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 08:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 08:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 08:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 08:07	1
2-Hexanone	2.0	U *	10	2.0	ug/L			11/24/20 08:07	1
Iodomethane	5.0	U *	10	5.0	ug/L			11/24/20 08:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 08:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/24/20 08:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 08:07	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 08:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 08:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 08:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 08:07	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 08:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 08:07	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 08:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 08:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 08:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 08:07	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 08:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 08:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 08:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 08:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 08:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 08:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		11/24/20 08:07	1
Dibromofluoromethane (Surr)	93		70 - 130		11/24/20 08:07	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		11/24/20 08:07	1
Toluene-d8 (Surr)	92		70 - 130		11/24/20 08:07	1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-191468-13

Date Collected: 11/10/20 15:10

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 22:42	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 22:42	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 22:42	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 22:42	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 22:42	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 22:42	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 22:42	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 22:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 22:42	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 22:42	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 22:42	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-191468-13

Date Collected: 11/10/20 15:10

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 22:42	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 22:42	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 22:42	1
cis-1,2-Dichloroethene	5.7		1.0	0.41	ug/L			11/23/20 22:42	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 22:42	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 22:42	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 22:42	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 22:42	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 22:42	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 22:42	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 22:42	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 22:42	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 22:42	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 22:42	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 22:42	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 22:42	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 22:42	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 22:42	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 22:42	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 22:42	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 22:42	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 22:42	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 22:42	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 22:42	1
1,1,2,2-Tetrachloroethane	16		1.0	0.62	ug/L			11/23/20 22:42	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 22:42	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 22:42	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 22:42	1
trans-1,2-Dichloroethene	0.42	J	1.0	0.37	ug/L			11/23/20 22:42	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 22:42	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 22:42	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 22:42	1
Trichloroethene	8.0		1.0	0.48	ug/L			11/23/20 22:42	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 22:42	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 22:42	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 22:42	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 22:42	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		11/23/20 22:42	1
Dibromofluoromethane (Surr)	101		70 - 130		11/23/20 22:42	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		11/23/20 22:42	1
Toluene-d8 (Surr)	106		70 - 130		11/23/20 22:42	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-191468-14

Date Collected: 11/10/20 12:40

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 23:06	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 23:06	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 23:06	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 23:06	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 23:06	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 23:06	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 23:06	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 23:06	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 23:06	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 23:06	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 23:06	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 23:06	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 23:06	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 23:06	1
cis-1,2-Dichloroethene	4.3		1.0	0.41	ug/L			11/23/20 23:06	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 23:06	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 23:06	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 23:06	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 23:06	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 23:06	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 23:06	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 23:06	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 23:06	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 23:06	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 23:06	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 23:06	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 23:06	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 23:06	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 23:06	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 23:06	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 23:06	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 23:06	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 23:06	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 23:06	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 23:06	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 23:06	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 23:06	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 23:06	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 23:06	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 23:06	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 23:06	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 23:06	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 23:06	1
Trichloroethene	0.53	J	1.0	0.48	ug/L			11/23/20 23:06	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 23:06	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 23:06	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 23:06	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 23:06	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 23:06	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-191468-14

Date Collected: 11/10/20 12:40

Matrix: Water

Date Received: 11/13/20 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		11/23/20 23:06	1
Dibromofluoromethane (Surr)	101		70 - 130		11/23/20 23:06	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		11/23/20 23:06	1
Toluene-d8 (Surr)	104		70 - 130		11/23/20 23:06	1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-191468-15

Date Collected: 11/10/20 10:55

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 23:31	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 23:31	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 23:31	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 23:31	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 23:31	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 23:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 23:31	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 23:31	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 23:31	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 23:31	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 23:31	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 23:31	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 23:31	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 23:31	1
cis-1,2-Dichloroethene	3.8		1.0	0.41	ug/L			11/23/20 23:31	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 23:31	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 23:31	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 23:31	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 23:31	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 23:31	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 23:31	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 23:31	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 23:31	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 23:31	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 23:31	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 23:31	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 23:31	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 23:31	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 23:31	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 23:31	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 23:31	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 23:31	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 23:31	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 23:31	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 23:31	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 23:31	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 23:31	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 23:31	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 23:31	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-191468-15

Date Collected: 11/10/20 10:55

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 23:31	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 23:31	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 23:31	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 23:31	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/20 23:31	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 23:31	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 23:31	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 23:31	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 23:31	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		11/23/20 23:31	1
Dibromofluoromethane (Surr)	100		70 - 130		11/23/20 23:31	1
1,2-Dichloroethane-d4 (Surr)	84		60 - 124		11/23/20 23:31	1
Toluene-d8 (Surr)	107		70 - 130		11/23/20 23:31	1

Client Sample ID: OLF-G75 Screen 6

Lab Sample ID: 680-191468-16

Date Collected: 11/10/20 09:05

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 15:44	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 15:44	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 15:44	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 15:44	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 15:44	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 15:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 15:44	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 15:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 15:44	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 15:44	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 15:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 15:44	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 15:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 15:44	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/20 15:44	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 15:44	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 15:44	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 15:44	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 15:44	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 15:44	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 15:44	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 15:44	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 15:44	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 15:44	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 15:44	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 15:44	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 15:44	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G75 Screen 6

Lab Sample ID: 680-191468-16

Date Collected: 11/10/20 09:05

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 15:44	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 15:44	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 15:44	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 15:44	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 15:44	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 15:44	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 15:44	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 15:44	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 15:44	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 15:44	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 15:44	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 15:44	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 15:44	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 15:44	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 15:44	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 15:44	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/20 15:44	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 15:44	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 15:44	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 15:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 15:44	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 15:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130					11/23/20 15:44	1
Dibromofluoromethane (Surr)	102		70 - 130					11/23/20 15:44	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124					11/23/20 15:44	1
Toluene-d8 (Surr)	104		70 - 130					11/23/20 15:44	1

Client Sample ID: DUP363

Lab Sample ID: 680-191468-17

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			11/24/20 08:30	1
Acrylonitrile	10	U *	20	10	ug/L			11/24/20 08:30	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 08:30	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 08:30	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 08:30	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 08:30	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 08:30	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			11/24/20 08:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 08:30	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 08:30	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 08:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 08:30	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 08:30	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 08:30	1
cis-1,2-Dichloroethene	0.58	J B	1.0	0.41	ug/L			11/24/20 18:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: DUP363

Lab Sample ID: 680-191468-17

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 08:30	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 08:30	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 08:30	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 08:30	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 08:30	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 08:30	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 08:30	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 08:30	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 08:30	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 08:30	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 08:30	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 08:30	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 08:30	1
2-Hexanone	2.0	U *	10	2.0	ug/L			11/24/20 08:30	1
Iodomethane	5.0	U *	10	5.0	ug/L			11/24/20 08:30	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 08:30	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/24/20 08:30	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 08:30	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 08:30	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 08:30	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 08:30	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 08:30	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 08:30	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 08:30	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 08:30	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 08:30	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 08:30	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 08:30	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 08:30	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 08:30	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 08:30	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 08:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 08:30	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 08:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		11/24/20 08:30	1
Dibromofluoromethane (Surr)	92		70 - 130		11/24/20 08:30	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		11/24/20 08:30	1
Toluene-d8 (Surr)	90		70 - 130		11/24/20 08:30	1

Client Sample ID: DUP361

Lab Sample ID: 680-191468-18

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			11/24/20 03:06	1
Acrylonitrile	10	U *	20	10	ug/L			11/24/20 03:06	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 03:06	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: DUP361

Lab Sample ID: 680-191468-18

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 03:06	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 03:06	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 03:06	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 03:06	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			11/24/20 03:06	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 03:06	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 03:06	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 03:06	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 03:06	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 03:06	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 03:06	1
cis-1,2-Dichloroethene	0.54	J B	1.0	0.41	ug/L			11/24/20 19:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 03:06	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 03:06	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 03:06	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 03:06	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 03:06	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 03:06	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 03:06	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 03:06	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 03:06	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 03:06	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 03:06	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 03:06	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 03:06	1
2-Hexanone	2.0	U *	10	2.0	ug/L			11/24/20 03:06	1
Iodomethane	5.0	U *	10	5.0	ug/L			11/24/20 03:06	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 03:06	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/24/20 03:06	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 03:06	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 03:06	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 03:06	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 03:06	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 03:06	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 03:06	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 03:06	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 03:06	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 03:06	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 03:06	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 03:06	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 03:06	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 03:06	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 03:06	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 03:06	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 19:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 03:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		11/24/20 03:06	1
4-Bromofluorobenzene (Surr)	100		70 - 130		11/24/20 19:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: DUP361

Date Collected: 11/11/20 00:00

Date Received: 11/13/20 09:30

Lab Sample ID: 680-191468-18

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	92		70 - 130		11/24/20 03:06	1
Dibromofluoromethane (Surr)	100		70 - 130		11/24/20 19:21	1
1,2-Dichloroethane-d4 (Surr)	96		60 - 124		11/24/20 03:06	1
1,2-Dichloroethane-d4 (Surr)	84		60 - 124		11/24/20 19:21	1
Toluene-d8 (Surr)	91		70 - 130		11/24/20 03:06	1
Toluene-d8 (Surr)	108		70 - 130		11/24/20 19:21	1

Client Sample ID: OLF-G77

Date Collected: 11/10/20 09:36

Date Received: 11/13/20 09:30

Lab Sample ID: 680-191468-19

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 22:17	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 22:17	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 22:17	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 22:17	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 22:17	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 22:17	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 22:17	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 22:17	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 22:17	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 22:17	1
Chlorobenzene	14		1.0	0.26	ug/L			11/23/20 22:17	1
Chloroethane	5.1		5.0	2.5	ug/L			11/23/20 22:17	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 22:17	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 22:17	1
cis-1,2-Dichloroethene	190		1.0	0.41	ug/L			11/23/20 22:17	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 22:17	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 22:17	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 22:17	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 22:17	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 22:17	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 22:17	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 22:17	1
1,1-Dichloroethane	0.67	J	1.0	0.38	ug/L			11/23/20 22:17	1
1,2-Dichloroethane	0.60	J	1.0	0.50	ug/L			11/23/20 22:17	1
1,1-Dichloroethene	0.50	J	1.0	0.36	ug/L			11/23/20 22:17	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 22:17	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 22:17	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 22:17	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 22:17	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 22:17	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 22:17	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 22:17	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 22:17	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 22:17	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 22:17	1
Tetrachloroethylene	6.4		1.0	0.74	ug/L			11/23/20 22:17	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-191468-19

Date Collected: 11/10/20 09:36

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 22:17	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 22:17	1
trans-1,2-Dichloroethene	180		1.0	0.37	ug/L			11/23/20 22:17	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 22:17	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 22:17	1
1,1,2-Trichloroethane	25		1.0	0.33	ug/L			11/23/20 22:17	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 22:17	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 22:17	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 22:17	1
Vinyl chloride	16		1.0	0.50	ug/L			11/23/20 22:17	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		11/23/20 22:17	1
Dibromofluoromethane (Surr)	98		70 - 130		11/23/20 22:17	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		11/23/20 22:17	1
Toluene-d8 (Surr)	105		70 - 130		11/23/20 22:17	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	820		10	6.2	ug/L			11/24/20 17:16	10
Trichloroethene	440		10	4.8	ug/L			11/24/20 17:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		11/24/20 17:16	10
Dibromofluoromethane (Surr)	106		70 - 130		11/24/20 17:16	10
1,2-Dichloroethane-d4 (Surr)	103		60 - 124		11/24/20 17:16	10
Toluene-d8 (Surr)	100		70 - 130		11/24/20 17:16	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	4.4		1.1	0.55	ug/L			11/23/20 16:35	1
Ethene	37		1.0	0.50	ug/L			11/23/20 16:35	1
Methane (TCD)	1000		390	39	ug/L			11/23/20 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.50	mg/L			11/20/20 07:28	1
Total Organic Carbon - Quad	1.3		1.0	0.50	mg/L			11/20/20 07:28	1

Client Sample ID: OLF-G42

Lab Sample ID: 680-191468-20

Date Collected: 11/11/20 11:55

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			11/24/20 02:43	1
Acrylonitrile	10	U *	20	10	ug/L			11/24/20 02:43	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 02:43	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 02:43	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 02:43	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G42

Lab Sample ID: 680-191468-20

Date Collected: 11/11/20 11:55

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 02:43	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 02:43	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			11/24/20 02:43	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 02:43	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 02:43	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 02:43	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 02:43	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 02:43	1
Chloromethane	0.40	U F2	1.0	0.40	ug/L			11/24/20 02:43	1
cis-1,2-Dichloroethene	4.5	B	1.0	0.41	ug/L			11/24/20 19:45	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 02:43	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 02:43	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 02:43	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 02:43	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 02:43	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 02:43	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 02:43	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 02:43	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 02:43	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 02:43	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 02:43	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 02:43	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 02:43	1
2-Hexanone	2.0	U *	10	2.0	ug/L			11/24/20 02:43	1
Iodomethane	5.0	U F2 * F1	10	5.0	ug/L			11/24/20 02:43	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 02:43	1
4-Methyl-2-pentanone (MIBK)	2.1	U * F1	10	2.1	ug/L			11/24/20 02:43	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 02:43	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 02:43	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 02:43	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 02:43	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 02:43	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 02:43	1
trans-1,4-Dichloro-2-butene	0.51	U F1	2.0	0.51	ug/L			11/24/20 02:43	1
trans-1,2-Dichloroethene	1.1		1.0	0.37	ug/L			11/24/20 02:43	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 02:43	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 02:43	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 02:43	1
Trichloroethene	4.6		1.0	0.48	ug/L			11/24/20 02:43	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 02:43	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 02:43	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 02:43	1
Vinyl chloride	5.7		1.0	0.50	ug/L			11/24/20 19:45	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		11/24/20 02:43	1
4-Bromofluorobenzene (Surr)	101		70 - 130		11/24/20 19:45	1
Dibromofluoromethane (Surr)	93		70 - 130		11/24/20 02:43	1
Dibromofluoromethane (Surr)	99		70 - 130		11/24/20 19:45	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G42

Lab Sample ID: 680-191468-20

Date Collected: 11/11/20 11:55

Matrix: Water

Date Received: 11/13/20 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		11/24/20 02:43	1
1,2-Dichloroethane-d4 (Surr)	84		60 - 124		11/24/20 19:45	1
Toluene-d8 (Surr)	92		70 - 130		11/24/20 02:43	1
Toluene-d8 (Surr)	107		70 - 130		11/24/20 19:45	1

Client Sample ID: OLG-G78

Lab Sample ID: 680-191468-21

Date Collected: 11/10/20 10:56

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 18:12	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 18:12	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 18:12	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 18:12	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 18:12	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 18:12	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 18:12	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 18:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 18:12	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 18:12	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 18:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 18:12	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 18:12	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 18:12	1
cis-1,2-Dichloroethene	1.4		1.0	0.41	ug/L			11/23/20 18:12	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 18:12	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 18:12	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 18:12	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 18:12	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 18:12	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 18:12	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 18:12	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 18:12	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 18:12	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 18:12	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 18:12	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 18:12	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 18:12	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 18:12	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 18:12	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 18:12	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 18:12	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 18:12	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 18:12	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 18:12	1
1,1,2,2-Tetrachloroethane	5.4		1.0	0.62	ug/L			11/23/20 18:12	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 18:12	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 18:12	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLG-G78

Lab Sample ID: 680-191468-21

Date Collected: 11/10/20 10:56

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 18:12	1
trans-1,2-Dichloroethene	0.42	J	1.0	0.37	ug/L			11/23/20 18:12	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 18:12	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 18:12	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 18:12	1
Trichloroethene	6.3		1.0	0.48	ug/L			11/23/20 18:12	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 18:12	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 18:12	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 18:12	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 18:12	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130		11/23/20 18:12	1
Dibromofluoromethane (Surr)	101		70 - 130		11/23/20 18:12	1
1,2-Dichloroethane-d4 (Surr)	116		60 - 124		11/23/20 18:12	1
Toluene-d8 (Surr)	98		70 - 130		11/23/20 18:12	1

Client Sample ID: TB570

Lab Sample ID: 680-191468-22

Date Collected: 11/12/20 14:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 05:11	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 05:11	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 05:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 05:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 05:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 05:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 05:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 05:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 05:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 05:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 05:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 05:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 05:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 05:11	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 05:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 05:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 05:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 05:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 05:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 05:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 05:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 05:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 05:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 05:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 05:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 05:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: TB570

Lab Sample ID: 680-191468-22

Date Collected: 11/12/20 14:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 05:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 05:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 05:11	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 05:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 05:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 05:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 05:11	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 05:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 05:11	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 05:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 05:11	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 05:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 05:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 05:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 05:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 05:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 05:11	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 05:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 05:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 05:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 05:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 05:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		11/25/20 05:11	1
Dibromofluoromethane (Surr)	99		70 - 130		11/25/20 05:11	1
1,2-Dichloroethane-d4 (Surr)	82		60 - 124		11/25/20 05:11	1
Toluene-d8 (Surr)	106		70 - 130		11/25/20 05:11	1

Client Sample ID: OLF-G31

Lab Sample ID: 680-191468-23

Date Collected: 11/12/20 08:35

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 06:00	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 06:00	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 06:00	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 06:00	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 06:00	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 06:00	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 06:00	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 06:00	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 06:00	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 06:00	1
Chlorobenzene	0.77	J	1.0	0.26	ug/L			11/25/20 06:00	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 06:00	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 06:00	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 06:00	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G31

Lab Sample ID: 680-191468-23

Date Collected: 11/12/20 08:35

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 06:00	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 06:00	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 06:00	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 06:00	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 06:00	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 06:00	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 06:00	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 06:00	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 06:00	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 06:00	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 06:00	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 06:00	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 06:00	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 06:00	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 06:00	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 06:00	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 06:00	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 06:00	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 06:00	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 06:00	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 06:00	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 06:00	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 06:00	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 06:00	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 06:00	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 06:00	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 06:00	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 06:00	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 06:00	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 06:00	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 06:00	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 06:00	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 06:00	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 06:00	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 06:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130					11/25/20 06:00	1
Dibromofluoromethane (Surr)	99		70 - 130					11/25/20 06:00	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124					11/25/20 06:00	1
Toluene-d8 (Surr)	106		70 - 130					11/25/20 06:00	1

Client Sample ID: OLF-G70

Lab Sample ID: 680-191468-24

Date Collected: 11/12/20 12:10

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 06:24	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 06:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G70

Lab Sample ID: 680-191468-24

Date Collected: 11/12/20 12:10

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 06:24	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 06:24	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 06:24	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 06:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 06:24	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 06:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 06:24	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 06:24	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 06:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 06:24	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 06:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 06:24	1
cis-1,2-Dichloroethene	1.8		1.0	0.41	ug/L			11/25/20 06:24	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 06:24	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 06:24	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 06:24	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 06:24	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 06:24	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 06:24	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 06:24	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 06:24	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 06:24	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 06:24	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 06:24	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 06:24	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 06:24	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 06:24	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 06:24	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 06:24	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 06:24	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 06:24	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 06:24	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 06:24	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 06:24	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 06:24	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 06:24	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 06:24	1
trans-1,2-Dichloroethene	0.43	J	1.0	0.37	ug/L			11/25/20 06:24	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 06:24	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 06:24	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 06:24	1
Trichloroethene	9.3		1.0	0.48	ug/L			11/25/20 06:24	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 06:24	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 06:24	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 06:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 06:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 06:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		11/25/20 06:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G70

Date Collected: 11/12/20 12:10

Date Received: 11/13/20 09:30

Lab Sample ID: 680-191468-24

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		70 - 130		11/25/20 06:24	1
1,2-Dichloroethane-d4 (Surr)	84		60 - 124		11/25/20 06:24	1
Toluene-d8 (Surr)	104		70 - 130		11/25/20 06:24	1

Client Sample ID: OLF-G32

Date Collected: 11/12/20 10:00

Date Received: 11/13/20 09:30

Lab Sample ID: 680-191468-25

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 06:49	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 06:49	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 06:49	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 06:49	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 06:49	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 06:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 06:49	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 06:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 06:49	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 06:49	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 06:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 06:49	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 06:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 06:49	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 06:49	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 06:49	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 06:49	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 06:49	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 06:49	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 06:49	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 06:49	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 06:49	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 06:49	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 06:49	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 06:49	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 06:49	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 06:49	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 06:49	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 06:49	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 06:49	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 06:49	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 06:49	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 06:49	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 06:49	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 06:49	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 06:49	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 06:49	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 06:49	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 06:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-191468-25

Date Collected: 11/12/20 10:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 06:49	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 06:49	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 06:49	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 06:49	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 06:49	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 06:49	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 06:49	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 06:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 06:49	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		11/25/20 06:49	1
Dibromofluoromethane (Surr)	99		70 - 130		11/25/20 06:49	1
1,2-Dichloroethane-d4 (Surr)	83		60 - 124		11/25/20 06:49	1
Toluene-d8 (Surr)	108		70 - 130		11/25/20 06:49	1

Client Sample ID: DUP362

Lab Sample ID: 680-191468-26

Date Collected: 11/12/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 11:20	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 11:20	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 11:20	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 11:20	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 11:20	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 11:20	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 11:20	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 11:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 11:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 11:20	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 11:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 11:20	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 11:20	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 11:20	1
cis-1,2-Dichloroethene	1.8		1.0	0.41	ug/L			11/25/20 11:20	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 11:20	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 11:20	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 11:20	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 11:20	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 11:20	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 11:20	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 11:20	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 11:20	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 11:20	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 11:20	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 11:20	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 11:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191468-1

Client Sample ID: DUP362

Lab Sample ID: 680-191468-26

Date Collected: 11/12/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 11:20	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 11:20	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 11:20	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 11:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 11:20	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 11:20	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 11:20	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 11:20	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 11:20	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 11:20	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 11:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 11:20	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 11:20	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 11:20	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 11:20	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 11:20	1
Trichloroethene	9.3		1.0	0.48	ug/L			11/25/20 11:20	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 11:20	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 11:20	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 11:20	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 11:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		11/25/20 11:20	1
Dibromofluoromethane (Surr)	102		70 - 130		11/25/20 11:20	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		11/25/20 11:20	1
Toluene-d8 (Surr)	107		70 - 130		11/25/20 11:20	1

QC Sample Results

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

Job ID: 680-191468-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-645276/8

Matrix: Water

Analysis Batch: 645276

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 14:56	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 14:56	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 14:56	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 14:56	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 14:56	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 14:56	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 14:56	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 14:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 14:56	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 14:56	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 14:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 14:56	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 14:56	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 14:56	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/20 14:56	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 14:56	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 14:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 14:56	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 14:56	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 14:56	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 14:56	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 14:56	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 14:56	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 14:56	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 14:56	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 14:56	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 14:56	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 14:56	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 14:56	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 14:56	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 14:56	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 14:56	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 14:56	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 14:56	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 14:56	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 14:56	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 14:56	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 14:56	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 14:56	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 14:56	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 14:56	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 14:56	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 14:56	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/20 14:56	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 14:56	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 14:56	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 14:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 14:56	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: MB 680-645276/8

Matrix: Water

Analysis Batch: 645276

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			11/23/20 14:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130		11/23/20 14:56	1
Dibromofluoromethane (Surr)	108		70 - 130		11/23/20 14:56	1
1,2-Dichloroethane-d4 (Surr)	123		60 - 124		11/23/20 14:56	1
Toluene-d8 (Surr)	98		70 - 130		11/23/20 14:56	1

Lab Sample ID: LCS 680-645276/3

Matrix: Water

Analysis Batch: 645276

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	214		ug/L		85	67 - 113
Acrylonitrile	500	454		ug/L		91	70 - 130
Benzene	50.0	53.4		ug/L		107	70 - 130
Bromochloromethane	50.0	47.1		ug/L		94	70 - 130
Bromodichloromethane	50.0	59.5		ug/L		119	70 - 130
Bromoform	50.0	46.3		ug/L		93	69 - 129
Bromomethane	50.0	58.9		ug/L		118	28 - 192
2-Butanone (MEK)	250	240		ug/L		96	69 - 114
Carbon disulfide	50.0	49.3		ug/L		99	70 - 130
Carbon tetrachloride	50.0	55.7		ug/L		111	70 - 130
Chlorobenzene	50.0	51.3		ug/L		103	70 - 130
Chloroethane	50.0	52.1		ug/L		104	31 - 213
Chloroform	50.0	58.6		ug/L		117	70 - 130
Chloromethane	50.0	45.4		ug/L		91	59 - 127
cis-1,2-Dichloroethane	50.0	49.1		ug/L		98	70 - 130
cis-1,3-Dichloropropene	50.0	53.0		ug/L		106	70 - 130
Dibromochloromethane	50.0	49.2		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	45.9		ug/L		92	70 - 130
1,2-Dibromoethane	50.0	51.6		ug/L		103	70 - 130
Dibromomethane	50.0	54.6		ug/L		109	70 - 130
1,2-Dichlorobenzene	50.0	54.9		ug/L		110	70 - 130
1,4-Dichlorobenzene	50.0	54.4		ug/L		109	70 - 130
1,1-Dichloroethane	50.0	53.2		ug/L		106	70 - 130
1,2-Dichloroethane	50.0	60.6		ug/L		121	70 - 130
1,1-Dichloroethene	50.0	46.0		ug/L		92	70 - 130
1,2-Dichloropropane	50.0	51.6		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	54.6		ug/L		109	70 - 130
Ethylbenzene	50.0	53.0		ug/L		106	70 - 130
2-Hexanone	250	232		ug/L		93	70 - 130
Iodomethane	50.0	33.6		ug/L		67	52 - 129
Methylene Chloride	50.0	54.3		ug/L		109	70 - 130
4-Methyl-2-pentanone (MIBK)	250	247		ug/L		99	68 - 108
Methyl tert-butyl ether	50.0	55.6		ug/L		111	70 - 130
Styrene	50.0	56.3		ug/L		113	70 - 130
1,1,1,2-Tetrachloroethane	50.0	49.3		ug/L		99	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCS 680-645276/3

Matrix: Water

Analysis Batch: 645276

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	53.1		ug/L		106	70 - 130
Tetrachloroethylene	50.0	46.3		ug/L		93	70 - 130
Toluene	50.0	51.0		ug/L		102	70 - 130
trans-1,4-Dichloro-2-butene	50.0	52.8		ug/L		106	67 - 112
trans-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 130
trans-1,3-Dichloropropene	50.0	57.7		ug/L		115	70 - 130
1,1,1-Trichloroethane	50.0	62.0		ug/L		124	70 - 130
1,1,2-Trichloroethane	50.0	52.2		ug/L		104	70 - 130
Trichloroethene	50.0	50.6		ug/L		101	70 - 130
Trichlorofluoromethane	50.0	58.8		ug/L		118	63 - 142
1,2,3-Trichloropropane	50.0	48.8		ug/L		98	70 - 130
Vinyl acetate	100	118		ug/L		118	67 - 135
Vinyl chloride	50.0	45.1		ug/L		90	66 - 129
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
Dibromofluoromethane (Surr)	107		70 - 130
1,2-Dichloroethane-d4 (Surr)	128	X	60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-645276/4

Matrix: Water

Analysis Batch: 645276

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	199		ug/L		80	67 - 113	7	30
Acrylonitrile	500	424		ug/L		85	70 - 130	7	30
Benzene	50.0	51.0		ug/L		102	70 - 130	5	30
Bromochloromethane	50.0	41.9		ug/L		84	70 - 130	12	30
Bromodichloromethane	50.0	54.1		ug/L		108	70 - 130	9	30
Bromoform	50.0	41.8		ug/L		84	69 - 129	10	30
Bromomethane	50.0	57.6		ug/L		115	28 - 192	2	30
2-Butanone (MEK)	250	230		ug/L		92	69 - 114	5	30
Carbon disulfide	50.0	45.1		ug/L		90	70 - 130	9	30
Carbon tetrachloride	50.0	53.1		ug/L		106	70 - 130	5	30
Chlorobenzene	50.0	48.5		ug/L		97	70 - 130	6	30
Chloroethane	50.0	48.5		ug/L		97	31 - 213	7	30
Chloroform	50.0	54.0		ug/L		108	70 - 130	8	30
Chloromethane	50.0	42.5		ug/L		85	59 - 127	7	30
cis-1,2-Dichloroethene	50.0	44.5		ug/L		89	70 - 130	10	30
cis-1,3-Dichloropropene	50.0	49.5		ug/L		99	70 - 130	7	20
Dibromochloromethane	50.0	46.2		ug/L		92	70 - 130	6	30
1,2-Dibromo-3-Chloropropane	50.0	41.5		ug/L		83	70 - 130	10	30
1,2-Dibromoethane	50.0	46.7		ug/L		93	70 - 130	10	30
Dibromomethane	50.0	49.3		ug/L		99	70 - 130	10	30
1,2-Dichlorobenzene	50.0	51.9		ug/L		104	70 - 130	6	30
1,4-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 130	5	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCSD 680-645276/4

Matrix: Water

Analysis Batch: 645276

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130	8	30
1,2-Dichloroethane	50.0	55.8		ug/L		112	70 - 130	8	50
1,1-Dichloroethene	50.0	44.2		ug/L		88	70 - 130	4	20
1,2-Dichloropropane	50.0	49.7		ug/L		99	70 - 130	4	20
1,3-Dichloropropane	50.0	50.9		ug/L		102	70 - 130	7	20
Ethylbenzene	50.0	49.8		ug/L		100	70 - 130	6	20
2-Hexanone	250	216		ug/L		86	70 - 130	7	20
Iodomethane	50.0	35.3		ug/L		71	52 - 129	5	30
Methylene Chloride	50.0	49.3		ug/L		99	70 - 130	10	30
4-Methyl-2-pentanone (MIBK)	250	229		ug/L		92	68 - 108	8	30
Methyl tert-butyl ether	50.0	52.0		ug/L		104	70 - 130	7	30
Styrene	50.0	53.0		ug/L		106	70 - 130	6	30
1,1,1,2-Tetrachloroethane	50.0	47.5		ug/L		95	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	50.2		ug/L		100	70 - 130	6	30
Tetrachloroethylene	50.0	43.0		ug/L		86	70 - 130	7	30
Toluene	50.0	46.6		ug/L		93	70 - 130	9	30
trans-1,4-Dichloro-2-butene	50.0	47.3		ug/L		95	67 - 112	11	30
trans-1,2-Dichloroethene	50.0	45.1		ug/L		90	70 - 130	6	30
trans-1,3-Dichloropropene	50.0	51.8		ug/L		104	70 - 130	11	30
1,1,1-Trichloroethane	50.0	58.2		ug/L		116	70 - 130	6	30
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130	7	30
Trichloroethene	50.0	49.2		ug/L		98	70 - 130	3	30
Trichlorofluoromethane	50.0	55.6		ug/L		111	63 - 142	6	30
1,2,3-Trichloropropane	50.0	47.7		ug/L		95	70 - 130	2	30
Vinyl acetate	100	108		ug/L		108	67 - 135	8	30
Vinyl chloride	50.0	41.9		ug/L		84	66 - 129	7	30
Xylenes, Total	100	95.7		ug/L		96	70 - 130	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		60 - 124
Toluene-d8 (Surr)	94		70 - 130

Lab Sample ID: MB 680-645311/8

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 14:48	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 14:48	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 14:48	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 14:48	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 14:48	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 14:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 14:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 14:48	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: MB 680-645311/8

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 14:48	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 14:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 14:48	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 14:48	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/20 14:48	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 14:48	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 14:48	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 14:48	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 14:48	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 14:48	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 14:48	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 14:48	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 14:48	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 14:48	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 14:48	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 14:48	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 14:48	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 14:48	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 14:48	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 14:48	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 14:48	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 14:48	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 14:48	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 14:48	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 14:48	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 14:48	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 14:48	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 14:48	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/20 14:48	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 14:48	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 14:48	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 14:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 14:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 14:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		11/23/20 14:48	1
Dibromofluoromethane (Surr)	100		70 - 130		11/23/20 14:48	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		11/23/20 14:48	1
Toluene-d8 (Surr)	106		70 - 130		11/23/20 14:48	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCS 680-645311/3

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	236		ug/L		95	67 - 113
Acrylonitrile	500	491		ug/L		98	70 - 130
Benzene	50.0	50.1		ug/L		100	70 - 130
Bromochloromethane	50.0	53.7		ug/L		107	70 - 130
Bromodichloromethane	50.0	49.0		ug/L		98	70 - 130
Bromoform	50.0	56.9		ug/L		114	69 - 129
Bromomethane	50.0	33.2		ug/L		66	28 - 192
2-Butanone (MEK)	250	263		ug/L		105	69 - 114
Carbon disulfide	50.0	48.6		ug/L		97	70 - 130
Carbon tetrachloride	50.0	47.4		ug/L		95	70 - 130
Chlorobenzene	50.0	53.2		ug/L		106	70 - 130
Chloroethane	50.0	43.0		ug/L		86	31 - 213
Chloroform	50.0	47.5		ug/L		95	70 - 130
Chloromethane	50.0	43.1		ug/L		86	59 - 127
cis-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 130
cis-1,3-Dichloropropene	50.0	52.1		ug/L		104	70 - 130
Dibromochloromethane	50.0	54.4		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/L		105	70 - 130
1,2-Dibromoethane	50.0	54.8		ug/L		110	70 - 130
Dibromomethane	50.0	49.4		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 130
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 130
1,1-Dichloroethane	50.0	47.1		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
1,2-Dichloropropane	50.0	51.3		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	53.2		ug/L		106	70 - 130
Ethylbenzene	50.0	48.7		ug/L		97	70 - 130
2-Hexanone	250	224		ug/L		90	70 - 130
Iodomethane	50.0	46.9		ug/L		94	52 - 129
Methylene Chloride	50.0	50.0		ug/L		100	70 - 130
4-Methyl-2-pentanone (MIBK)	250	221		ug/L		88	68 - 108
Methyl tert-butyl ether	50.0	49.2		ug/L		98	70 - 130
Styrene	50.0	53.8		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	56.2		ug/L		112	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	70 - 130
Tetrachloroethylene	50.0	54.6		ug/L		109	70 - 130
Toluene	50.0	51.2		ug/L		102	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.0		ug/L		92	67 - 112
trans-1,2-Dichloroethene	50.0	50.2		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	70 - 130
1,1,1-Trichloroethane	50.0	45.9		ug/L		92	70 - 130
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130
Trichloroethene	50.0	54.3		ug/L		109	70 - 130
Trichlorofluoromethane	50.0	43.4		ug/L		87	63 - 142
1,2,3-Trichloropropane	50.0	54.0		ug/L		108	70 - 130
Vinyl acetate	100	104		ug/L		104	67 - 135
Vinyl chloride	50.0	46.3		ug/L		93	66 - 129

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCS 680-645311/3

Matrix: Water

Analysis Batch: 645311

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	100		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-645311/4

Matrix: Water

Analysis Batch: 645311

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	233		ug/L		93	67 - 113	2	30
Acrylonitrile	500	478		ug/L		96	70 - 130	3	30
Benzene	50.0	50.7		ug/L		101	70 - 130	1	30
Bromochloromethane	50.0	52.5		ug/L		105	70 - 130	2	30
Bromodichloromethane	50.0	49.3		ug/L		99	70 - 130	1	30
Bromoform	50.0	58.7		ug/L		117	69 - 129	3	30
Bromomethane	50.0	37.8		ug/L		76	28 - 192	13	30
2-Butanone (MEK)	250	254		ug/L		102	69 - 114	3	30
Carbon disulfide	50.0	51.6		ug/L		103	70 - 130	6	30
Carbon tetrachloride	50.0	48.7		ug/L		97	70 - 130	3	30
Chlorobenzene	50.0	55.5		ug/L		111	70 - 130	4	30
Chloroethane	50.0	44.1		ug/L		88	31 - 213	2	30
Chloroform	50.0	47.6		ug/L		95	70 - 130	0	30
Chloromethane	50.0	45.1		ug/L		90	59 - 127	5	30
cis-1,2-Dichloroethane	50.0	46.0		ug/L		92	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	51.6		ug/L		103	70 - 130	1	20
Dibromochloromethane	50.0	52.5		ug/L		105	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	50.0	53.0		ug/L		106	70 - 130	1	30
1,2-Dibromoethane	50.0	53.0		ug/L		106	70 - 130	3	30
Dibromomethane	50.0	50.2		ug/L		100	70 - 130	1	30
1,2-Dichlorobenzene	50.0	50.8		ug/L		102	70 - 130	2	30
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130	2	30
1,1-Dichloroethane	50.0	47.7		ug/L		95	70 - 130	1	30
1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130	0	50
1,1-Dichloroethene	50.0	49.9		ug/L		100	70 - 130	4	20
1,2-Dichloropropane	50.0	51.4		ug/L		103	70 - 130	0	20
1,3-Dichloropropane	50.0	51.8		ug/L		104	70 - 130	3	20
Ethylbenzene	50.0	51.8		ug/L		104	70 - 130	6	20
2-Hexanone	250	217		ug/L		87	70 - 130	3	20
Iodomethane	50.0	49.1		ug/L		98	52 - 129	4	30
Methylene Chloride	50.0	50.9		ug/L		102	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	250	216		ug/L		86	68 - 108	2	30
Methyl tert-butyl ether	50.0	49.0		ug/L		98	70 - 130	1	30
Styrene	50.0	55.8		ug/L		112	70 - 130	4	30
1,1,1,2-Tetrachloroethane	50.0	57.5		ug/L		115	70 - 130	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCSD 680-645311/4

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	50.0	53.2		ug/L		106	70 - 130	3	30
Tetrachloroethylene	50.0	56.1		ug/L		112	70 - 130	3	30
Toluene	50.0	51.4		ug/L		103	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	46.9		ug/L		94	67 - 112	2	30
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130	4	30
trans-1,3-Dichloropropene	50.0	49.9		ug/L		100	70 - 130	2	30
1,1,1-Trichloroethane	50.0	46.8		ug/L		94	70 - 130	2	30
1,1,2-Trichloroethane	50.0	52.7		ug/L		105	70 - 130	1	30
Trichloroethene	50.0	55.4		ug/L		111	70 - 130	2	30
Trichlorofluoromethane	50.0	46.2		ug/L		92	63 - 142	6	30
1,2,3-Trichloropropane	50.0	55.3		ug/L		111	70 - 130	2	30
Vinyl acetate	100	99.6		ug/L		100	67 - 135	4	30
Vinyl chloride	50.0	48.5		ug/L		97	66 - 129	5	30
Xylenes, Total	100	105		ug/L		105	70 - 130	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Toluene-d8 (Surr)	109		70 - 130

Lab Sample ID: MB 680-645436/9

Matrix: Water

Analysis Batch: 645436

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 02:19	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 02:19	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 02:19	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 02:19	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 02:19	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 02:19	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 02:19	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 02:19	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 02:19	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 02:19	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 02:19	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 02:19	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 02:19	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 02:19	1
cis-1,2-Dichloroethene	3.36		1.0	0.41	ug/L			11/24/20 02:19	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 02:19	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 02:19	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 02:19	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 02:19	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 02:19	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 02:19	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 02:19	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: MB 680-645436/9

Matrix: Water

Analysis Batch: 645436

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	0.38	U	1.0	0.38	ug/L			11/24/20 02:19	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 02:19	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 02:19	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 02:19	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 02:19	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 02:19	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 02:19	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 02:19	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 02:19	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 02:19	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 02:19	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 02:19	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 02:19	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 02:19	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 02:19	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 02:19	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 02:19	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 02:19	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 02:19	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 02:19	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 02:19	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 02:19	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 02:19	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 02:19	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 02:19	1
Vinyl chloride	1.20		1.0	0.50	ug/L			11/24/20 02:19	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 02:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		11/24/20 02:19	1
Dibromofluoromethane (Surr)	90		70 - 130		11/24/20 02:19	1
1,2-Dichloroethane-d4 (Surr)	96		60 - 124		11/24/20 02:19	1
Toluene-d8 (Surr)	91		70 - 130		11/24/20 02:19	1

Lab Sample ID: LCS 680-645436/4

Matrix: Water

Analysis Batch: 645436

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	314	*	ug/L		126	67 - 113
Acrylonitrile	500	619		ug/L		124	70 - 130
Benzene	50.0	44.6		ug/L		89	70 - 130
Bromochloromethane	50.0	49.4		ug/L		99	70 - 130
Bromodichloromethane	50.0	43.9		ug/L		88	70 - 130
Bromoform	50.0	41.6		ug/L		83	69 - 129
Bromomethane	50.0	23.0		ug/L		46	28 - 192
2-Butanone (MEK)	250	284		ug/L		114	69 - 114
Carbon disulfide	50.0	44.1		ug/L		88	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCS 680-645436/4

Matrix: Water

Analysis Batch: 645436

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	43.5		ug/L		87	70 - 130
Chlorobenzene	50.0	46.9		ug/L		94	70 - 130
Chloroethane	50.0	47.8		ug/L		96	31 - 213
Chloroform	50.0	46.4		ug/L		93	70 - 130
Chloromethane	50.0	45.3		ug/L		91	59 - 127
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	70 - 130
cis-1,3-Dichloropropene	50.0	44.6		ug/L		89	70 - 130
Dibromochloromethane	50.0	43.6		ug/L		87	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	53.0		ug/L		106	70 - 130
1,2-Dibromoethane	50.0	50.9		ug/L		102	70 - 130
Dibromomethane	50.0	49.4		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	48.2		ug/L		96	70 - 130
1,1-Dichloroethane	50.0	49.1		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	51.7		ug/L		103	70 - 130
1,1-Dichloroethene	50.0	40.9		ug/L		82	70 - 130
1,2-Dichloropropane	50.0	48.0		ug/L		96	70 - 130
1,3-Dichloropropane	50.0	51.9		ug/L		104	70 - 130
Ethylbenzene	50.0	47.4		ug/L		95	70 - 130
2-Hexanone	250	301		ug/L		120	70 - 130
Iodomethane	50.0	21.9	*	ug/L		44	52 - 129
Methylene Chloride	50.0	45.0		ug/L		90	70 - 130
4-Methyl-2-pentanone (MIBK)	250	300	*	ug/L		120	68 - 108
Methyl tert-butyl ether	50.0	48.7		ug/L		97	70 - 130
Styrene	50.0	48.7		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	50.0	45.3		ug/L		91	70 - 130
1,1,2,2-Tetrachloroethane	50.0	54.0		ug/L		108	70 - 130
Tetrachloroethylene	50.0	45.8		ug/L		92	70 - 130
Toluene	50.0	47.6		ug/L		95	70 - 130
trans-1,4-Dichloro-2-butene	50.0	42.3		ug/L		85	67 - 112
trans-1,2-Dichloroethene	50.0	43.8		ug/L		88	70 - 130
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	70 - 130
1,1,1-Trichloroethane	50.0	45.3		ug/L		91	70 - 130
1,1,2-Trichloroethane	50.0	48.8		ug/L		98	70 - 130
Trichloroethene	50.0	47.1		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	46.5		ug/L		93	63 - 142
1,2,3-Trichloropropane	50.0	58.4		ug/L		117	70 - 130
Vinyl acetate	100	104		ug/L		104	67 - 135
Vinyl chloride	50.0	47.6		ug/L		95	66 - 129
Xylenes, Total	100	92.8		ug/L		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		60 - 124
Toluene-d8 (Surr)	92		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCSD 680-645436/5

Matrix: Water

Analysis Batch: 645436

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	356	*	ug/L		142	67 - 113	12	30
Acrylonitrile	500	688	*	ug/L		138	70 - 130	11	30
Benzene	50.0	45.4		ug/L		91	70 - 130	2	30
Bromochloromethane	50.0	52.4		ug/L		105	70 - 130	6	30
Bromodichloromethane	50.0	45.6		ug/L		91	70 - 130	4	30
Bromoform	50.0	43.4		ug/L		87	69 - 129	4	30
Bromomethane	50.0	25.3		ug/L		51	28 - 192	9	30
2-Butanone (MEK)	250	316	*	ug/L		126	69 - 114	11	30
Carbon disulfide	50.0	43.1		ug/L		86	70 - 130	2	30
Carbon tetrachloride	50.0	42.1		ug/L		84	70 - 130	3	30
Chlorobenzene	50.0	47.1		ug/L		94	70 - 130	0	30
Chloroethane	50.0	46.8		ug/L		94	31 - 213	2	30
Chloroform	50.0	47.5		ug/L		95	70 - 130	2	30
Chloromethane	50.0	45.0		ug/L		90	59 - 127	1	30
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	46.5		ug/L		93	70 - 130	4	20
Dibromochloromethane	50.0	45.7		ug/L		91	70 - 130	5	30
1,2-Dibromo-3-Chloropropane	50.0	55.3		ug/L		111	70 - 130	4	30
1,2-Dibromoethane	50.0	55.7		ug/L		111	70 - 130	9	30
Dibromomethane	50.0	54.0		ug/L		108	70 - 130	9	30
1,2-Dichlorobenzene	50.0	48.9		ug/L		98	70 - 130	0	30
1,4-Dichlorobenzene	50.0	47.4		ug/L		95	70 - 130	2	30
1,1-Dichloroethane	50.0	49.2		ug/L		98	70 - 130	0	30
1,2-Dichloroethane	50.0	55.8		ug/L		112	70 - 130	8	50
1,1-Dichloroethene	50.0	39.7		ug/L		79	70 - 130	3	20
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130	1	20
1,3-Dichloropropane	50.0	54.4		ug/L		109	70 - 130	5	20
Ethylbenzene	50.0	46.2		ug/L		92	70 - 130	3	20
2-Hexanone	250	335	*	ug/L		134	70 - 130	11	20
Iodomethane	50.0	22.1	*	ug/L		44	52 - 129	1	30
Methylene Chloride	50.0	47.3		ug/L		95	70 - 130	5	30
4-Methyl-2-pentanone (MIBK)	250	333	*	ug/L		133	68 - 108	10	30
Methyl tert-butyl ether	50.0	52.9		ug/L		106	70 - 130	8	30
Styrene	50.0	49.4		ug/L		99	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	45.3		ug/L		91	70 - 130	0	30
1,1,2,2-Tetrachloroethane	50.0	56.8		ug/L		114	70 - 130	5	30
Tetrachloroethylene	50.0	44.9		ug/L		90	70 - 130	2	30
Toluene	50.0	47.9		ug/L		96	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	44.5		ug/L		89	67 - 112	5	30
trans-1,2-Dichloroethene	50.0	43.9		ug/L		88	70 - 130	0	30
trans-1,3-Dichloropropene	50.0	50.3		ug/L		101	70 - 130	4	30
1,1,1-Trichloroethane	50.0	45.0		ug/L		90	70 - 130	1	30
1,1,2-Trichloroethane	50.0	52.6		ug/L		105	70 - 130	8	30
Trichloroethene	50.0	47.4		ug/L		95	70 - 130	1	30
Trichlorofluoromethane	50.0	44.6		ug/L		89	63 - 142	4	30
1,2,3-Trichloropropane	50.0	61.2		ug/L		122	70 - 130	5	30
Vinyl acetate	100	112		ug/L		112	67 - 135	8	30
Vinyl chloride	50.0	47.4		ug/L		95	66 - 129	0	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCSD 680-645436/5

Matrix: Water

Analysis Batch: 645436

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	91.8		ug/L		92	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	94		70 - 130
1,2-Dichloroethane-d4 (Surr)	106		60 - 124
Toluene-d8 (Surr)	93		70 - 130

Lab Sample ID: 680-191468-20 MS

Matrix: Water

Analysis Batch: 645436

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	7.0	U *	250	268		ug/L		107	67 - 113
Acrylonitrile	10	U *	500	544		ug/L		109	70 - 130
Benzene	0.43	U	50.0	45.2		ug/L		90	70 - 130
Bromochloromethane	0.45	U	50.0	49.1		ug/L		98	70 - 130
Bromodichloromethane	0.44	U	50.0	43.8		ug/L		88	70 - 130
Bromoform	0.43	U	50.0	38.7		ug/L		77	69 - 129
Bromomethane	2.5	U	50.0	18.4		ug/L		37	28 - 192
2-Butanone (MEK)	3.4	U *	250	241		ug/L		96	69 - 114
Carbon disulfide	1.0	U	50.0	43.5		ug/L		87	70 - 130
Carbon tetrachloride	0.33	U	50.0	44.3		ug/L		89	70 - 130
Chlorobenzene	0.26	U	50.0	47.1		ug/L		94	70 - 130
Chloroethane	2.5	U	50.0	48.8		ug/L		98	31 - 213
Chloroform	0.50	U	50.0	46.3		ug/L		93	70 - 130
Chloromethane	0.40	U F2	50.0	44.0		ug/L		88	59 - 127
cis-1,2-Dichloroethene	7.4	B	50.0	50.2		ug/L		86	70 - 130
cis-1,3-Dichloropropene	0.40	U	50.0	41.8		ug/L		84	70 - 130
Dibromochloromethane	0.32	U	50.0	42.2		ug/L		84	70 - 130
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	46.5		ug/L		93	70 - 130
1,2-Dibromoethane	0.44	U	50.0	47.8		ug/L		96	70 - 130
Dibromomethane	0.35	U	50.0	47.9		ug/L		96	70 - 130
1,2-Dichlorobenzene	0.37	U	50.0	47.3		ug/L		95	70 - 130
1,4-Dichlorobenzene	0.46	U	50.0	47.5		ug/L		95	70 - 130
1,1-Dichloroethane	0.38	U	50.0	49.5		ug/L		99	70 - 130
1,2-Dichloroethane	0.50	U	50.0	50.2		ug/L		100	70 - 130
1,1-Dichloroethene	0.36	U	50.0	42.1		ug/L		84	70 - 130
1,2-Dichloropropane	0.67	U	50.0	47.0		ug/L		94	70 - 130
1,3-Dichloropropane	0.34	U	50.0	49.0		ug/L		98	70 - 130
Ethylbenzene	0.33	U	50.0	48.3		ug/L		97	70 - 130
2-Hexanone	2.0	U *	250	262		ug/L		105	70 - 130
Iodomethane	5.0	U F2 * F1	50.0	17.9	F1	ug/L		36	52 - 129
Methylene Chloride	2.5	U	50.0	44.9		ug/L		90	70 - 130
4-Methyl-2-pentanone (MIBK)	2.1	U * F1	250	269		ug/L		108	68 - 108
Methyl tert-butyl ether	0.30	U	50.0	45.8		ug/L		92	70 - 130
Styrene	0.27	U	50.0	48.6		ug/L		97	70 - 130
1,1,1,2-Tetrachloroethane	0.37	U	50.0	45.5		ug/L		91	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: 680-191468-20 MS

Matrix: Water

Analysis Batch: 645436

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
1,1,2,2-Tetrachloroethane	0.62	U	50.0	50.0		ug/L		100	70 - 130
Tetrachloroethylene	0.74	U	50.0	43.7		ug/L		87	70 - 130
Toluene	0.48	U	50.0	46.5		ug/L		93	70 - 130
trans-1,4-Dichloro-2-butene	0.51	U F1	50.0	28.5	F1	ug/L		57	67 - 112
trans-1,2-Dichloroethene	1.1		50.0	44.7		ug/L		87	70 - 130
trans-1,3-Dichloropropene	0.42	U	50.0	44.1		ug/L		88	70 - 130
1,1,1-Trichloroethane	0.37	U	50.0	46.2		ug/L		92	70 - 130
1,1,2-Trichloroethane	0.33	U	50.0	46.3		ug/L		93	70 - 130
Trichloroethene	4.6		50.0	50.1		ug/L		91	70 - 130
Trichlorofluoromethane	0.42	U	50.0	48.4		ug/L		97	63 - 142
1,2,3-Trichloropropane	0.39	U	50.0	52.4		ug/L		105	70 - 130
Vinyl acetate	0.81	U	100	103		ug/L		103	67 - 135
Vinyl chloride	6.7	B	50.0	51.8		ug/L		90	66 - 129
Xylenes, Total	0.23	U	100	92.6		ug/L		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	89		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		60 - 124
Toluene-d8 (Surr)	90		70 - 130

Lab Sample ID: 680-191468-20 MSD

Matrix: Water

Analysis Batch: 645436

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	7.0	U *	250	271		ug/L		108	67 - 113	1	30
Acrylonitrile	10	U *	500	547		ug/L		109	70 - 130	1	30
Benzene	0.43	U	50.0	45.3		ug/L		91	70 - 130	0	30
Bromochloromethane	0.45	U	50.0	48.6		ug/L		97	70 - 130	1	30
Bromodichloromethane	0.44	U	50.0	43.7		ug/L		87	70 - 130	0	30
Bromoform	0.43	U	50.0	40.0		ug/L		80	69 - 129	3	30
Bromomethane	2.5	U	50.0	22.5		ug/L		45	28 - 192	20	30
2-Butanone (MEK)	3.4	U *	250	249		ug/L		100	69 - 114	3	30
Carbon disulfide	1.0	U	50.0	44.8		ug/L		90	70 - 130	3	30
Carbon tetrachloride	0.33	U	50.0	44.9		ug/L		90	70 - 130	1	30
Chlorobenzene	0.26	U	50.0	47.5		ug/L		95	70 - 130	1	30
Chloroethane	2.5	U	50.0	47.9		ug/L		96	31 - 213	2	30
Chloroform	0.50	U	50.0	46.9		ug/L		94	70 - 130	1	30
Chloromethane	0.40	U F2	50.0	62.2	F2	ug/L		124	59 - 127	34	30
cis-1,2-Dichloroethene	7.4	B	50.0	50.3		ug/L		86	70 - 130	0	30
cis-1,3-Dichloropropene	0.40	U	50.0	42.3		ug/L		85	70 - 130	1	20
Dibromochloromethane	0.32	U	50.0	42.4		ug/L		85	70 - 130	0	30
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	49.0		ug/L		98	70 - 130	5	30
1,2-Dibromoethane	0.44	U	50.0	48.5		ug/L		97	70 - 130	2	30
Dibromomethane	0.35	U	50.0	47.7		ug/L		95	70 - 130	0	30
1,2-Dichlorobenzene	0.37	U	50.0	48.7		ug/L		97	70 - 130	3	30
1,4-Dichlorobenzene	0.46	U	50.0	48.1		ug/L		96	70 - 130	1	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: 680-191468-20 MSD

Matrix: Water

Analysis Batch: 645436

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
1,1-Dichloroethane	0.38	U	50.0	49.5		ug/L		99	70 - 130	0	30
1,2-Dichloroethane	0.50	U	50.0	51.3		ug/L		103	70 - 130	2	50
1,1-Dichloroethene	0.36	U	50.0	42.0		ug/L		84	70 - 130	0	20
1,2-Dichloropropane	0.67	U	50.0	46.9		ug/L		94	70 - 130	0	20
1,3-Dichloropropane	0.34	U	50.0	49.6		ug/L		99	70 - 130	1	20
Ethylbenzene	0.33	U	50.0	47.9		ug/L		96	70 - 130	1	20
2-Hexanone	2.0	U *	250	268		ug/L		107	70 - 130	2	20
Iodomethane	5.0	U F2 * F1	50.0	27.5	F2	ug/L		55	52 - 129	42	30
Methylene Chloride	2.5	U	50.0	44.7		ug/L		89	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	2.1	U * F1	250	274	F1	ug/L		110	68 - 108	2	30
Methyl tert-butyl ether	0.30	U	50.0	46.3		ug/L		93	70 - 130	1	30
Styrene	0.27	U	50.0	48.6		ug/L		97	70 - 130	0	30
1,1,1,2-Tetrachloroethane	0.37	U	50.0	45.6		ug/L		91	70 - 130	0	30
1,1,2,2-Tetrachloroethane	0.62	U	50.0	51.9		ug/L		104	70 - 130	4	30
Tetrachloroethylene	0.74	U	50.0	45.2		ug/L		90	70 - 130	3	30
Toluene	0.48	U	50.0	47.2		ug/L		94	70 - 130	1	30
trans-1,4-Dichloro-2-butene	0.51	U F1	50.0	30.2	F1	ug/L		60	67 - 112	6	30
trans-1,2-Dichloroethene	1.1		50.0	45.1		ug/L		88	70 - 130	1	30
trans-1,3-Dichloropropene	0.42	U	50.0	44.4		ug/L		89	70 - 130	1	30
1,1,1-Trichloroethane	0.37	U	50.0	46.7		ug/L		93	70 - 130	1	30
1,1,2-Trichloroethane	0.33	U	50.0	46.5		ug/L		93	70 - 130	0	30
Trichloroethene	4.6		50.0	51.0		ug/L		93	70 - 130	2	30
Trichlorofluoromethane	0.42	U	50.0	48.7		ug/L		97	63 - 142	1	30
1,2,3-Trichloropropane	0.39	U	50.0	53.1		ug/L		106	70 - 130	1	30
Vinyl acetate	0.81	U	100	101		ug/L		101	67 - 135	1	30
Vinyl chloride	6.7	B	50.0	52.6		ug/L		92	66 - 129	1	30
Xylenes, Total	0.23	U	100	93.7		ug/L		94	70 - 130	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	90		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		60 - 124
Toluene-d8 (Surr)	90		70 - 130

Lab Sample ID: MB 680-645528/8

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 15:49	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 15:49	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 15:49	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 15:49	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 15:49	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 15:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 15:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 15:49	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: MB 680-645528/8

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 15:49	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 15:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 15:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 15:49	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/24/20 15:49	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 15:49	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 15:49	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 15:49	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 15:49	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 15:49	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 15:49	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 15:49	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 15:49	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 15:49	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 15:49	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 15:49	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 15:49	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 15:49	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 15:49	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 15:49	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 15:49	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 15:49	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 15:49	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 15:49	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 15:49	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 15:49	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 15:49	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 15:49	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 15:49	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 15:49	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 15:49	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 15:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 15:49	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 15:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		11/24/20 15:49	1
Dibromofluoromethane (Surr)	109		70 - 130		11/24/20 15:49	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		11/24/20 15:49	1
Toluene-d8 (Surr)	99		70 - 130		11/24/20 15:49	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCS 680-645528/3

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	197		ug/L		79	67 - 113
Acrylonitrile	500	442		ug/L		88	70 - 130
Benzene	50.0	50.5		ug/L		101	70 - 130
Bromochloromethane	50.0	45.3		ug/L		91	70 - 130
Bromodichloromethane	50.0	54.3		ug/L		109	70 - 130
Bromoform	50.0	43.6		ug/L		87	69 - 129
Bromomethane	50.0	34.7		ug/L		69	28 - 192
2-Butanone (MEK)	250	228		ug/L		91	69 - 114
Carbon disulfide	50.0	47.8		ug/L		96	70 - 130
Carbon tetrachloride	50.0	51.2		ug/L		102	70 - 130
Chlorobenzene	50.0	51.1		ug/L		102	70 - 130
Chloroethane	50.0	51.8		ug/L		104	31 - 213
Chloroform	50.0	54.4		ug/L		109	70 - 130
Chloromethane	50.0	46.6		ug/L		93	59 - 127
cis-1,2-Dichloroethene	50.0	45.6		ug/L		91	70 - 130
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	70 - 130
Dibromochloromethane	50.0	47.4		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	42.4		ug/L		85	70 - 130
1,2-Dibromoethane	50.0	48.8		ug/L		98	70 - 130
Dibromomethane	50.0	50.0		ug/L		100	70 - 130
1,2-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130
1,4-Dichlorobenzene	50.0	50.9		ug/L		102	70 - 130
1,1-Dichloroethane	50.0	49.9		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	53.9		ug/L		108	70 - 130
1,1-Dichloroethene	50.0	43.3		ug/L		87	70 - 130
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	51.3		ug/L		103	70 - 130
Ethylbenzene	50.0	50.5		ug/L		101	70 - 130
2-Hexanone	250	215		ug/L		86	70 - 130
Iodomethane	50.0	43.6		ug/L		87	52 - 129
Methylene Chloride	50.0	51.8		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	250	229		ug/L		92	68 - 108
Methyl tert-butyl ether	50.0	51.4		ug/L		103	70 - 130
Styrene	50.0	54.1		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.4		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.2		ug/L		100	70 - 130
Tetrachloroethylene	50.0	45.6		ug/L		91	70 - 130
Toluene	50.0	47.7		ug/L		95	70 - 130
trans-1,4-Dichloro-2-butene	50.0	43.3		ug/L		87	67 - 112
trans-1,2-Dichloroethene	50.0	44.6		ug/L		89	70 - 130
trans-1,3-Dichloropropene	50.0	52.7		ug/L		105	70 - 130
1,1,1-Trichloroethane	50.0	57.3		ug/L		115	70 - 130
1,1,2-Trichloroethane	50.0	49.3		ug/L		99	70 - 130
Trichloroethene	50.0	47.1		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	54.9		ug/L		110	63 - 142
1,2,3-Trichloropropane	50.0	44.7		ug/L		89	70 - 130
Vinyl acetate	100	111		ug/L		111	67 - 135
Vinyl chloride	50.0	44.5		ug/L		89	66 - 129

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCS 680-645528/3

Matrix: Water

Analysis Batch: 645528

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	99.7		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		60 - 124
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 680-645528/4

Matrix: Water

Analysis Batch: 645528

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	199		ug/L		80	67 - 113	1	30
Acrylonitrile	500	451		ug/L		90	70 - 130	2	30
Benzene	50.0	50.8		ug/L		102	70 - 130	1	30
Bromochloromethane	50.0	45.3		ug/L		91	70 - 130	0	30
Bromodichloromethane	50.0	53.3		ug/L		107	70 - 130	2	30
Bromoform	50.0	45.3		ug/L		91	69 - 129	4	30
Bromomethane	50.0	36.2		ug/L		72	28 - 192	4	30
2-Butanone (MEK)	250	234		ug/L		94	69 - 114	2	30
Carbon disulfide	50.0	47.9		ug/L		96	70 - 130	0	30
Carbon tetrachloride	50.0	52.4		ug/L		105	70 - 130	2	30
Chlorobenzene	50.0	52.3		ug/L		105	70 - 130	2	30
Chloroethane	50.0	54.3		ug/L		109	31 - 213	5	30
Chloroform	50.0	54.4		ug/L		109	70 - 130	0	30
Chloromethane	50.0	46.5		ug/L		93	59 - 127	0	30
cis-1,2-Dichloroethane	50.0	46.9		ug/L		94	70 - 130	3	30
cis-1,3-Dichloropropene	50.0	46.8		ug/L		94	70 - 130	4	20
Dibromochloromethane	50.0	45.7		ug/L		91	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	50.0	45.3		ug/L		91	70 - 130	7	30
1,2-Dibromoethane	50.0	47.4		ug/L		95	70 - 130	3	30
Dibromomethane	50.0	49.0		ug/L		98	70 - 130	2	30
1,2-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130	2	30
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130	1	30
1,1-Dichloroethane	50.0	49.9		ug/L		100	70 - 130	0	30
1,2-Dichloroethane	50.0	54.6		ug/L		109	70 - 130	1	50
1,1-Dichloroethene	50.0	44.5		ug/L		89	70 - 130	3	20
1,2-Dichloropropane	50.0	49.1		ug/L		98	70 - 130	1	20
1,3-Dichloropropane	50.0	50.8		ug/L		102	70 - 130	1	20
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130	1	20
2-Hexanone	250	203		ug/L		81	70 - 130	6	20
Iodomethane	50.0	43.4		ug/L		87	52 - 129	0	30
Methylene Chloride	50.0	51.5		ug/L		103	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	217		ug/L		87	68 - 108	6	30
Methyl tert-butyl ether	50.0	52.5		ug/L		105	70 - 130	2	30
Styrene	50.0	56.8		ug/L		114	70 - 130	5	30
1,1,1,2-Tetrachloroethane	50.0	48.1		ug/L		96	70 - 130	1	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCSD 680-645528/4

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	50.0	51.6		ug/L		103	70 - 130	3	30
Tetrachloroethylene	50.0	45.8		ug/L		92	70 - 130	1	30
Toluene	50.0	48.1		ug/L		96	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	42.3		ug/L		85	67 - 112	2	30
trans-1,2-Dichloroethene	50.0	45.2		ug/L		90	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	70 - 130	0	30
1,1,1-Trichloroethane	50.0	56.5		ug/L		113	70 - 130	1	30
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	70 - 130	1	30
Trichloroethene	50.0	48.6		ug/L		97	70 - 130	3	30
Trichlorofluoromethane	50.0	54.3		ug/L		109	63 - 142	1	30
1,2,3-Trichloropropane	50.0	48.7		ug/L		97	70 - 130	9	30
Vinyl acetate	100	112		ug/L		112	67 - 135	1	30
Vinyl chloride	50.0	45.2		ug/L		90	66 - 129	1	30
Xylenes, Total	100	101		ug/L		101	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		60 - 124
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: MB 680-645558/8

Matrix: Water

Analysis Batch: 645558

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 15:41	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 15:41	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 15:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 15:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 15:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 15:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 15:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 15:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 15:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 15:41	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 15:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 15:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 15:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 15:41	1
cis-1,2-Dichloroethene	0.634	J	1.0	0.41	ug/L			11/24/20 15:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 15:41	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 15:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 15:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 15:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 15:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 15:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 15:41	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: MB 680-645558/8

Matrix: Water

Analysis Batch: 645558

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	0.38	U	1.0	0.38	ug/L			11/24/20 15:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 15:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 15:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 15:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 15:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 15:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 15:41	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 15:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 15:41	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 15:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 15:41	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 15:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 15:41	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 15:41	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 15:41	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 15:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 15:41	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 15:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 15:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 15:41	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 15:41	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 15:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 15:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 15:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 15:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 15:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 15:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		11/24/20 15:41	1
Dibromofluoromethane (Surr)	99		70 - 130		11/24/20 15:41	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		11/24/20 15:41	1
Toluene-d8 (Surr)	107		70 - 130		11/24/20 15:41	1

Lab Sample ID: LCS 680-645558/3

Matrix: Water

Analysis Batch: 645558

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	218		ug/L		87	67 - 113
Acrylonitrile	500	471		ug/L		94	70 - 130
Benzene	50.0	50.5		ug/L		101	70 - 130
Bromochloromethane	50.0	52.0		ug/L		104	70 - 130
Bromodichloromethane	50.0	48.0		ug/L		96	70 - 130
Bromoform	50.0	54.2		ug/L		108	69 - 129
Bromomethane	50.0	31.5		ug/L		63	28 - 192
2-Butanone (MEK)	250	248		ug/L		99	69 - 114
Carbon disulfide	50.0	50.8		ug/L		102	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCS 680-645558/3

Matrix: Water

Analysis Batch: 645558

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	48.8		ug/L		98	70 - 130
Chlorobenzene	50.0	53.6		ug/L		107	70 - 130
Chloroethane	50.0	43.0		ug/L		86	31 - 213
Chloroform	50.0	46.8		ug/L		94	70 - 130
Chloromethane	50.0	46.0		ug/L		92	59 - 127
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 130
cis-1,3-Dichloropropene	50.0	52.4		ug/L		105	70 - 130
Dibromochloromethane	50.0	52.5		ug/L		105	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	49.7		ug/L		99	70 - 130
1,2-Dibromoethane	50.0	54.0		ug/L		108	70 - 130
Dibromomethane	50.0	47.7		ug/L		95	70 - 130
1,2-Dichlorobenzene	50.0	49.3		ug/L		99	70 - 130
1,4-Dichlorobenzene	50.0	48.6		ug/L		97	70 - 130
1,1-Dichloroethane	50.0	47.6		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	46.2		ug/L		92	70 - 130
1,1-Dichloroethene	50.0	50.2		ug/L		100	70 - 130
1,2-Dichloropropane	50.0	49.8		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	52.6		ug/L		105	70 - 130
Ethylbenzene	50.0	49.0		ug/L		98	70 - 130
2-Hexanone	250	215		ug/L		86	70 - 130
Iodomethane	50.0	47.7		ug/L		95	52 - 129
Methylene Chloride	50.0	49.3		ug/L		99	70 - 130
4-Methyl-2-pentanone (MIBK)	250	216		ug/L		86	68 - 108
Methyl tert-butyl ether	50.0	47.8		ug/L		96	70 - 130
Styrene	50.0	52.8		ug/L		106	70 - 130
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/L		108	70 - 130
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	70 - 130
Tetrachloroethylene	50.0	56.0		ug/L		112	70 - 130
Toluene	50.0	51.4		ug/L		103	70 - 130
trans-1,4-Dichloro-2-butene	50.0	43.0		ug/L		86	67 - 112
trans-1,2-Dichloroethene	50.0	50.5		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	49.6		ug/L		99	70 - 130
1,1,1-Trichloroethane	50.0	46.2		ug/L		92	70 - 130
1,1,2-Trichloroethane	50.0	53.4		ug/L		107	70 - 130
Trichloroethene	50.0	53.5		ug/L		107	70 - 130
Trichlorofluoromethane	50.0	45.7		ug/L		91	63 - 142
1,2,3-Trichloropropane	50.0	52.6		ug/L		105	70 - 130
Vinyl acetate	100	97.5		ug/L		97	67 - 135
Vinyl chloride	50.0	49.9		ug/L		100	66 - 129
Xylenes, Total	100	98.9		ug/L		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		60 - 124
Toluene-d8 (Surr)	104		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCSD 680-645558/4

Matrix: Water

Analysis Batch: 645558

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	211		ug/L		84	67 - 113	3	30
Acrylonitrile	500	463		ug/L		93	70 - 130	2	30
Benzene	50.0	49.5		ug/L		99	70 - 130	2	30
Bromochloromethane	50.0	50.3		ug/L		101	70 - 130	3	30
Bromodichloromethane	50.0	46.3		ug/L		93	70 - 130	4	30
Bromoform	50.0	54.8		ug/L		110	69 - 129	1	30
Bromomethane	50.0	30.2		ug/L		60	28 - 192	4	30
2-Butanone (MEK)	250	234		ug/L		94	69 - 114	6	30
Carbon disulfide	50.0	50.8		ug/L		102	70 - 130	0	30
Carbon tetrachloride	50.0	47.1		ug/L		94	70 - 130	4	30
Chlorobenzene	50.0	54.3		ug/L		109	70 - 130	1	30
Chloroethane	50.0	41.1		ug/L		82	31 - 213	5	30
Chloroform	50.0	45.8		ug/L		92	70 - 130	2	30
Chloromethane	50.0	46.3		ug/L		93	59 - 127	1	30
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	50.1		ug/L		100	70 - 130	4	20
Dibromochloromethane	50.0	50.3		ug/L		101	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	50.0	52.0		ug/L		104	70 - 130	4	30
1,2-Dibromoethane	50.0	51.5		ug/L		103	70 - 130	5	30
Dibromomethane	50.0	46.8		ug/L		94	70 - 130	2	30
1,2-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 130	1	30
1,4-Dichlorobenzene	50.0	49.1		ug/L		98	70 - 130	1	30
1,1-Dichloroethane	50.0	47.2		ug/L		94	70 - 130	1	30
1,2-Dichloroethane	50.0	44.1		ug/L		88	70 - 130	5	50
1,1-Dichloroethene	50.0	50.0		ug/L		100	70 - 130	0	20
1,2-Dichloropropane	50.0	50.1		ug/L		100	70 - 130	1	20
1,3-Dichloropropane	50.0	50.7		ug/L		101	70 - 130	4	20
Ethylbenzene	50.0	50.3		ug/L		101	70 - 130	3	20
2-Hexanone	250	209		ug/L		84	70 - 130	3	20
Iodomethane	50.0	47.7		ug/L		95	52 - 129	0	30
Methylene Chloride	50.0	49.6		ug/L		99	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	208		ug/L		83	68 - 108	4	30
Methyl tert-butyl ether	50.0	46.5		ug/L		93	70 - 130	3	30
Styrene	50.0	52.9		ug/L		106	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	55.4		ug/L		111	70 - 130	3	30
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130	4	30
Tetrachloroethylene	50.0	54.1		ug/L		108	70 - 130	3	30
Toluene	50.0	50.6		ug/L		101	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	43.2		ug/L		86	67 - 112	1	30
trans-1,2-Dichloroethene	50.0	50.9		ug/L		102	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	70 - 130	4	30
1,1,1-Trichloroethane	50.0	45.1		ug/L		90	70 - 130	2	30
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	70 - 130	4	30
Trichloroethene	50.0	54.0		ug/L		108	70 - 130	1	30
Trichlorofluoromethane	50.0	44.8		ug/L		90	63 - 142	2	30
1,2,3-Trichloropropane	50.0	52.5		ug/L		105	70 - 130	0	30
Vinyl acetate	100	95.8		ug/L		96	67 - 135	2	30
Vinyl chloride	50.0	49.7		ug/L		99	66 - 129	0	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCSD 680-645558/4

Matrix: Water

Analysis Batch: 645558

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	100		ug/L		100	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		60 - 124
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: MB 680-645697/9

Matrix: Water

Analysis Batch: 645697

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12.4		10	7.0	ug/L			11/25/20 04:46	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 04:46	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 04:46	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 04:46	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 04:46	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 04:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 04:46	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 04:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 04:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 04:46	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 04:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 04:46	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 04:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 04:46	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 04:46	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 04:46	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 04:46	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 04:46	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 04:46	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 04:46	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 04:46	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 04:46	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 04:46	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 04:46	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 04:46	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 04:46	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 04:46	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 04:46	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 04:46	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 04:46	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 04:46	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 04:46	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 04:46	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 04:46	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 04:46	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: MB 680-645697/9

Matrix: Water

Analysis Batch: 645697

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 04:46	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 04:46	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 04:46	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 04:46	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 04:46	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 04:46	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 04:46	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 04:46	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 04:46	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 04:46	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 04:46	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 04:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 04:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 04:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		11/25/20 04:46	1
Dibromofluoromethane (Surr)	97		70 - 130		11/25/20 04:46	1
1,2-Dichloroethane-d4 (Surr)	82		60 - 124		11/25/20 04:46	1
Toluene-d8 (Surr)	107		70 - 130		11/25/20 04:46	1

Lab Sample ID: LCS 680-645697/4

Matrix: Water

Analysis Batch: 645697

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	231		ug/L		92	67 - 113
Acrylonitrile	500	479		ug/L		96	70 - 130
Benzene	50.0	48.7		ug/L		97	70 - 130
Bromochloromethane	50.0	48.7		ug/L		97	70 - 130
Bromodichloromethane	50.0	47.0		ug/L		94	70 - 130
Bromoform	50.0	55.0		ug/L		110	69 - 129
Bromomethane	50.0	24.9		ug/L		50	28 - 192
2-Butanone (MEK)	250	250		ug/L		100	69 - 114
Carbon disulfide	50.0	50.2		ug/L		100	70 - 130
Carbon tetrachloride	50.0	44.8		ug/L		90	70 - 130
Chlorobenzene	50.0	51.8		ug/L		104	70 - 130
Chloroethane	50.0	41.4		ug/L		83	31 - 213
Chloroform	50.0	44.9		ug/L		90	70 - 130
Chloromethane	50.0	47.1		ug/L		94	59 - 127
cis-1,2-Dichloroethene	50.0	44.2		ug/L		88	70 - 130
cis-1,3-Dichloropropene	50.0	48.3		ug/L		97	70 - 130
Dibromochloromethane	50.0	52.2		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	49.6		ug/L		99	70 - 130
1,2-Dibromoethane	50.0	52.6		ug/L		105	70 - 130
Dibromomethane	50.0	46.9		ug/L		94	70 - 130
1,2-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 130
1,4-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCS 680-645697/4

Matrix: Water

Analysis Batch: 645697

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	44.9		ug/L		90	70 - 130
1,2-Dichloroethane	50.0	44.2		ug/L		88	70 - 130
1,1-Dichloroethene	50.0	50.0		ug/L		100	70 - 130
1,2-Dichloropropane	50.0	49.6		ug/L		99	70 - 130
1,3-Dichloropropane	50.0	50.2		ug/L		100	70 - 130
Ethylbenzene	50.0	47.4		ug/L		95	70 - 130
2-Hexanone	250	225		ug/L		90	70 - 130
Iodomethane	50.0	47.7		ug/L		95	52 - 129
Methylene Chloride	50.0	49.0		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	250	226		ug/L		90	68 - 108
Methyl tert-butyl ether	50.0	46.7		ug/L		93	70 - 130
Styrene	50.0	50.7		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.5		ug/L		105	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.5		ug/L		101	70 - 130
Tetrachloroethylene	50.0	52.0		ug/L		104	70 - 130
Toluene	50.0	50.1		ug/L		100	70 - 130
trans-1,4-Dichloro-2-butene	50.0	41.4		ug/L		83	67 - 112
trans-1,2-Dichloroethene	50.0	49.5		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	43.7		ug/L		87	70 - 130
1,1,1-Trichloroethane	50.0	43.0		ug/L		86	70 - 130
1,1,2-Trichloroethane	50.0	52.6		ug/L		105	70 - 130
Trichloroethene	50.0	51.7		ug/L		103	70 - 130
Trichlorofluoromethane	50.0	42.8		ug/L		86	63 - 142
1,2,3-Trichloropropane	50.0	51.5		ug/L		103	70 - 130
Vinyl acetate	100	75.1		ug/L		75	67 - 135
Vinyl chloride	50.0	52.7		ug/L		105	66 - 129
Xylenes, Total	100	97.5		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-645697/5

Matrix: Water

Analysis Batch: 645697

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	236		ug/L		95	67 - 113	2	30
Acrylonitrile	500	467		ug/L		93	70 - 130	3	30
Benzene	50.0	47.4		ug/L		95	70 - 130	3	30
Bromochloromethane	50.0	47.6		ug/L		95	70 - 130	2	30
Bromodichloromethane	50.0	45.2		ug/L		90	70 - 130	4	30
Bromoform	50.0	52.7		ug/L		105	69 - 129	4	30
Bromomethane	50.0	29.8		ug/L		60	28 - 192	18	30
2-Butanone (MEK)	250	250		ug/L		100	69 - 114	0	30
Carbon disulfide	50.0	49.3		ug/L		99	70 - 130	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

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

Lab Sample ID: LCSD 680-645697/5

Matrix: Water

Analysis Batch: 645697

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	42.9		ug/L		86	70 - 130	4	30
Chlorobenzene	50.0	50.3		ug/L		101	70 - 130	3	30
Chloroethane	50.0	41.2		ug/L		82	31 - 213	0	30
Chloroform	50.0	42.8		ug/L		86	70 - 130	5	30
Chloromethane	50.0	47.8		ug/L		96	59 - 127	1	30
cis-1,2-Dichloroethene	50.0	43.3		ug/L		87	70 - 130	2	30
cis-1,3-Dichloropropene	50.0	46.8		ug/L		94	70 - 130	3	20
Dibromochloromethane	50.0	50.3		ug/L		101	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	50.0	48.1		ug/L		96	70 - 130	3	30
1,2-Dibromoethane	50.0	50.7		ug/L		101	70 - 130	4	30
Dibromomethane	50.0	44.8		ug/L		90	70 - 130	5	30
1,2-Dichlorobenzene	50.0	47.0		ug/L		94	70 - 130	3	30
1,4-Dichlorobenzene	50.0	46.5		ug/L		93	70 - 130	2	30
1,1-Dichloroethane	50.0	44.5		ug/L		89	70 - 130	1	30
1,2-Dichloroethane	50.0	42.2		ug/L		84	70 - 130	5	50
1,1-Dichloroethene	50.0	48.7		ug/L		97	70 - 130	3	20
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130	2	20
1,3-Dichloropropane	50.0	49.4		ug/L		99	70 - 130	2	20
Ethylbenzene	50.0	46.1		ug/L		92	70 - 130	3	20
2-Hexanone	250	227		ug/L		91	70 - 130	1	20
Iodomethane	50.0	47.5		ug/L		95	52 - 129	1	30
Methylene Chloride	50.0	47.7		ug/L		95	70 - 130	3	30
4-Methyl-2-pentanone (MIBK)	250	223		ug/L		89	68 - 108	1	30
Methyl tert-butyl ether	50.0	45.8		ug/L		92	70 - 130	2	30
Styrene	50.0	48.5		ug/L		97	70 - 130	4	30
1,1,1,2-Tetrachloroethane	50.0	51.2		ug/L		102	70 - 130	3	30
1,1,2,2-Tetrachloroethane	50.0	49.5		ug/L		99	70 - 130	2	30
Tetrachloroethylene	50.0	50.3		ug/L		101	70 - 130	3	30
Toluene	50.0	48.4		ug/L		97	70 - 130	4	30
trans-1,4-Dichloro-2-butene	50.0	37.7		ug/L		75	67 - 112	9	30
trans-1,2-Dichloroethene	50.0	48.9		ug/L		98	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	42.2		ug/L		84	70 - 130	3	30
1,1,1-Trichloroethane	50.0	40.5		ug/L		81	70 - 130	6	30
1,1,2-Trichloroethane	50.0	50.6		ug/L		101	70 - 130	4	30
Trichloroethene	50.0	49.5		ug/L		99	70 - 130	5	30
Trichlorofluoromethane	50.0	41.7		ug/L		83	63 - 142	3	30
1,2,3-Trichloropropane	50.0	51.2		ug/L		102	70 - 130	1	30
Vinyl acetate	100	78.2		ug/L		78	67 - 135	4	30
Vinyl chloride	50.0	51.9		ug/L		104	66 - 129	2	30
Xylenes, Total	100	93.1		ug/L		93	70 - 130	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	84		60 - 124
Toluene-d8 (Surr)	98		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-645273/8

Matrix: Water

Analysis Batch: 645273

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.301	J	0.58	0.29	ug/L			11/23/20 11:26	1
Ethane	0.55	U	1.1	0.55	ug/L			11/23/20 11:26	1
Ethene	0.50	U	1.0	0.50	ug/L			11/23/20 11:26	1
Methane (TCD)	39	U	390	39	ug/L			11/23/20 11:26	1

Lab Sample ID: LCS 680-645273/3

Matrix: Water

Analysis Batch: 645273

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	1850		ug/L		96	75 - 125

Lab Sample ID: LCS 680-645273/6

Matrix: Water

Analysis Batch: 645273

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	154	154		ug/L		100	75 - 125
Ethane	288	282		ug/L		98	75 - 125
Ethene	269	255		ug/L		95	75 - 125

Lab Sample ID: LCSD 680-645273/4

Matrix: Water

Analysis Batch: 645273

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	1810		ug/L		94	75 - 125	2	30

Lab Sample ID: LCSD 680-645273/7

Matrix: Water

Analysis Batch: 645273

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	156		ug/L		101	75 - 125	1	30
Ethane	288	284		ug/L		98	75 - 125	1	30
Ethene	269	255		ug/L		95	75 - 125	0	30

Method: 9060 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-644954/2

Matrix: Water

Analysis Batch: 644954

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/20/20 00:41	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/20/20 00:41	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191468-1

Method: 9060 - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 680-644954/3

Matrix: Water

Analysis Batch: 644954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.7		mg/L		99	80 - 120
TOC Result 1	20.0	20.1		mg/L		101	80 - 120
TOC Result 2	20.0	19.5		mg/L		98	80 - 120
TOC Result 3	20.0	19.7		mg/L		98	80 - 120
TOC Result 4	20.0	19.5		mg/L		97	80 - 120
Total Organic Carbon - Quad	20.0	19.7		mg/L		99	80 - 120

Lab Sample ID: LCSD 680-644954/4

Matrix: Water

Analysis Batch: 644954

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
Total Organic Carbon	20.0	19.8		mg/L		99	80 - 120	1	25
TOC Result 1	20.0	19.9		mg/L		99	80 - 120	1	25
TOC Result 2	20.0	20.2		mg/L		101	80 - 120	3	25
TOC Result 3	20.0	19.7		mg/L		98	80 - 120	0	25
TOC Result 4	20.0	19.5		mg/L		98	80 - 120	0	25
Total Organic Carbon - Quad	20.0	19.8		mg/L		99	80 - 120	1	25

QC Association Summary

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

Job ID: 680-191468-1

GC/MS VOA

Analysis Batch: 645276

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-9	OLF-G73 PORT 4	Total/NA	Water	8260B	
680-191468-21	OLG-G78	Total/NA	Water	8260B	
MB 680-645276/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645276/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645276/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 645311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-6	OLF-G73 PORT 1	Total/NA	Water	8260B	
680-191468-7	OLF-G73 PORT 2	Total/NA	Water	8260B	
680-191468-8	OLF-G73 PORT 3	Total/NA	Water	8260B	
680-191468-10	OLF-G73 PORT 5	Total/NA	Water	8260B	
680-191468-13	OLF-G75 Screen 3	Total/NA	Water	8260B	
680-191468-14	OLF-G75 Screen 4	Total/NA	Water	8260B	
680-191468-15	OLF-G75 Screen 5	Total/NA	Water	8260B	
680-191468-16	OLF-G75 Screen 6	Total/NA	Water	8260B	
680-191468-19	OLF-G77	Total/NA	Water	8260B	
MB 680-645311/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645311/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645311/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 645436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-11	OLF-G75 Screen 1	Total/NA	Water	8260B	
680-191468-12	OLF-G75 Screen 2	Total/NA	Water	8260B	
680-191468-17	DUP363	Total/NA	Water	8260B	
680-191468-18	DUP361	Total/NA	Water	8260B	
680-191468-20	OLF-G42	Total/NA	Water	8260B	
MB 680-645436/9	Method Blank	Total/NA	Water	8260B	
LCS 680-645436/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645436/5	Lab Control Sample Dup	Total/NA	Water	8260B	
680-191468-20 MS	OLF-G42	Total/NA	Water	8260B	
680-191468-20 MSD	OLF-G42	Total/NA	Water	8260B	

Analysis Batch: 645528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-1	OLF-G71 PORT 1	Total/NA	Water	8260B	
680-191468-2	OLF-G71 PORT 2	Total/NA	Water	8260B	
680-191468-3	OLF-G71 PORT 3	Total/NA	Water	8260B	
680-191468-4	OLF-G71 PORT 4	Total/NA	Water	8260B	
680-191468-5	OLF-G71 PORT 5	Total/NA	Water	8260B	
680-191468-19 - DL	OLF-G77	Total/NA	Water	8260B	
MB 680-645528/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645528/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645528/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 645558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-11	OLF-G75 Screen 1	Total/NA	Water	8260B	
680-191468-12	OLF-G75 Screen 2	Total/NA	Water	8260B	
680-191468-17	DUP363	Total/NA	Water	8260B	

Eurofins TestAmerica, Savannah

QC Association Summary

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

Job ID: 680-191468-1

GC/MS VOA (Continued)

Analysis Batch: 645558 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-18	DUP361	Total/NA	Water	8260B	
680-191468-20	OLF-G42	Total/NA	Water	8260B	
MB 680-645558/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645558/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645558/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 645697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-22	TB570	Total/NA	Water	8260B	
680-191468-23	OLF-G31	Total/NA	Water	8260B	
680-191468-24	OLF-G70	Total/NA	Water	8260B	
680-191468-25	OLF-G32	Total/NA	Water	8260B	
680-191468-26	DUP362	Total/NA	Water	8260B	
MB 680-645697/9	Method Blank	Total/NA	Water	8260B	
LCS 680-645697/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645697/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 645273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-6	OLF-G73 PORT 1	Total/NA	Water	RSK-175	
680-191468-7	OLF-G73 PORT 2	Total/NA	Water	RSK-175	
680-191468-8	OLF-G73 PORT 3	Total/NA	Water	RSK-175	
680-191468-9	OLF-G73 PORT 4	Total/NA	Water	RSK-175	
680-191468-10	OLF-G73 PORT 5	Total/NA	Water	RSK-175	
680-191468-19	OLF-G77	Total/NA	Water	RSK-175	
MB 680-645273/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-645273/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-645273/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-645273/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-645273/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 644954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191468-6	OLF-G73 PORT 1	Total/NA	Water	9060	
680-191468-7	OLF-G73 PORT 2	Total/NA	Water	9060	
680-191468-8	OLF-G73 PORT 3	Total/NA	Water	9060	
680-191468-9	OLF-G73 PORT 4	Total/NA	Water	9060	
680-191468-10	OLF-G73 PORT 5	Total/NA	Water	9060	
680-191468-19	OLF-G77	Total/NA	Water	9060	
MB 680-644954/2	Method Blank	Total/NA	Water	9060	
LCS 680-644954/3	Lab Control Sample	Total/NA	Water	9060	
LCSD 680-644954/4	Lab Control Sample Dup	Total/NA	Water	9060	

Lab Chronicle

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

Job ID: 680-191468-1

Client Sample ID: OLF-G71 PORT 1

Lab Sample ID: 680-191468-1

Date Collected: 11/12/20 10:05

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645528	11/24/20 21:32	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 PORT 2

Lab Sample ID: 680-191468-2

Date Collected: 11/12/20 10:20

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645528	11/24/20 21:58	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 PORT 3

Lab Sample ID: 680-191468-3

Date Collected: 11/12/20 10:35

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645528	11/24/20 22:24	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 PORT 4

Lab Sample ID: 680-191468-4

Date Collected: 11/12/20 11:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645528	11/24/20 22:49	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 PORT 5

Lab Sample ID: 680-191468-5

Date Collected: 11/12/20 11:20

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645528	11/24/20 23:15	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G73 PORT 1

Lab Sample ID: 680-191468-6

Date Collected: 11/10/20 14:05

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 16:09	UI	TAL SAV
Instrument ID: CMSP2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645273	11/23/20 14:19	DBM	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060		1	40 mL	40 mL	644954	11/20/20 06:01	RKJ	TAL SAV
Instrument ID: TOC7										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-191468-1

Client Sample ID: OLF-G73 PORT 2

Lab Sample ID: 680-191468-7

Date Collected: 11/10/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 16:33	UI	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645273	11/23/20 14:32	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060		1	40 mL	40 mL	644954	11/20/20 06:18	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 PORT 3

Lab Sample ID: 680-191468-8

Date Collected: 11/10/20 15:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 16:58	UI	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645273	11/23/20 14:45	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060		1	40 mL	40 mL	644954	11/20/20 06:36	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 PORT 4

Lab Sample ID: 680-191468-9

Date Collected: 11/10/20 15:30

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645276	11/23/20 20:46	Y1S	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645273	11/23/20 16:09	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060		1	40 mL	40 mL	644954	11/20/20 06:53	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 PORT 5

Lab Sample ID: 680-191468-10

Date Collected: 11/10/20 16:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 17:22	UI	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645273	11/23/20 16:22	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060		1	40 mL	40 mL	644954	11/20/20 07:11	RKJ	TAL SAV
		Instrument ID: TOC7								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-191468-1

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-191468-11

Date Collected: 11/11/20 09:45

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645436	11/24/20 07:43	SMP	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	8260B		1	5 mL	5 mL	645558	11/24/20 20:10	Y1S	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-191468-12

Date Collected: 11/11/20 08:25

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645436	11/24/20 08:07	SMP	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	8260B		1	5 mL	5 mL	645558	11/24/20 20:35	Y1S	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-191468-13

Date Collected: 11/10/20 15:10

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 22:42	UI	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-191468-14

Date Collected: 11/10/20 12:40

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 23:06	UI	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-191468-15

Date Collected: 11/10/20 10:55

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 23:31	UI	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: OLF-G75 Screen 6

Lab Sample ID: 680-191468-16

Date Collected: 11/10/20 09:05

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 15:44	UI	TAL SAV
		Instrument ID: CMSP2								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-191468-1

Client Sample ID: DUP363

Lab Sample ID: 680-191468-17

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645436	11/24/20 08:30	SMP	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	8260B		1	5 mL	5 mL	645558	11/24/20 18:56	Y1S	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: DUP361

Lab Sample ID: 680-191468-18

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645436	11/24/20 03:06	SMP	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	8260B		1	5 mL	5 mL	645558	11/24/20 19:21	Y1S	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: OLF-G77

Lab Sample ID: 680-191468-19

Date Collected: 11/10/20 09:36

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	5 mL	5 mL	645528	11/24/20 17:16	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 22:17	UI	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645273	11/23/20 16:35	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060		1	40 mL	40 mL	644954	11/20/20 07:28	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G42

Lab Sample ID: 680-191468-20

Date Collected: 11/11/20 11:55

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645436	11/24/20 02:43	SMP	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	8260B		1	5 mL	5 mL	645558	11/24/20 19:45	Y1S	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: OLG-G78

Lab Sample ID: 680-191468-21

Date Collected: 11/10/20 10:56

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645276	11/23/20 18:12	Y1S	TAL SAV
		Instrument ID: CMSAA								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-191468-1

Client Sample ID: TB570

Lab Sample ID: 680-191468-22

Date Collected: 11/12/20 14:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645697	11/25/20 05:11	SMP	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G31

Lab Sample ID: 680-191468-23

Date Collected: 11/12/20 08:35

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645697	11/25/20 06:00	SMP	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G70

Lab Sample ID: 680-191468-24

Date Collected: 11/12/20 12:10

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645697	11/25/20 06:24	SMP	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G32

Lab Sample ID: 680-191468-25

Date Collected: 11/12/20 10:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645697	11/25/20 06:49	SMP	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: DUP362

Lab Sample ID: 680-191468-26

Date Collected: 11/12/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645697	11/25/20 11:20	SMP	TAL SAV
Instrument ID: CMSP2										

Laboratory References:

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: 680-191468-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-21

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: 680-191468-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9060	Organic Carbon, Total (TOC)	SW846	TAL SAV
5030B	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

COC 6232

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 # 20.094.21-05.3.500
Lab contract:

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				
								SW8260B - VOC	RSK-175 - M,E,E	3 - 40 mL vials, HCl	SW9060A - TOC H2SO4	3 - 40 mL vials, HCl
OLF-G71 Port 1	NS	MW	Water	Grab		11/12/20	10:05	X				
OLF-G71 Port 2	NS	MW	Water	Grab		11/12/20	10:20	X				
OLF-G71 Port 3	NS	MW	Water	Grab		11/12/20	10:35	X				
OLF-G71 Port 4	NS	MW	Water	Grab		11/12/20	11:00	X				
OLF-G71 Port 5	NS	MW	Water	Grab		11/12/20	11:20	X				
OLF-G73 Port 1	NS	MW	Water	Grab		11/10/20	14:05	X	X			
OLF-G73 Port 2	NS	MW	Water	Grab		11/10/20	14:35	X	X			
OLF-G73 Port 3	NS	MW	Water	Grab		11/10/20	15:00	X	X			
OLF-G73 Port 4	NS	MW	Water	Grab		11/10/20	15:30	X	X			
OLF-G73 Port 5	NS	MW	Water	Grab		11/10/20	16:00	X	X			
OLF-G75 Screen 1	NS	MW	Water	Grab		11/11/20	9:45	X				
OLF-G75 Screen 2	NS	MW	Water	Grab		11/11/20	8:25	X				
OLF-G75 Screen 3	NS	MW	Water	Grab		11/10/20	15:10	X				
OLF-G75 Screen 4	NS	MW	Water	Grab		11/10/20	12:40	X				
OLF-G75 Screen 5	NS	MW	Water	Grab		11/10/20	10:55	X				
OLF-G75 Screen 6	NS	MW	Water	Grab		11/10/20	9:05	X				
DuP363	FD	FD	Water	Grab		11/11/20	N/A	X				
DuP361	FD	FD	Water	Grab		11/11/20	N/A	X				



680-191488 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.

Double the number of bottles for MS/MSD

Relinquished by (Signature):

[Signature]

Date/Time:

11/12/20 16:00

Received by (Signature):

FedEx

Relinquished by (Signature):

[Signature]

Date/Time:

Received by (Signature): *[Signature]* 11/12/20

0930
1.4(1.1)

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-191468-1

Login Number: 191468

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Chamberlain, Kim A

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

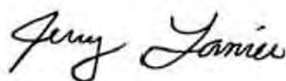
ANALYTICAL REPORT

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

Laboratory Job ID: 680-191488-1
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:
11/27/2020 4:13:14 PM
Jerry Lanier, Project Manager I
(912)250-0281
Jerry.Lanier@Eurofinset.com
Designee for
Ken Hayes, Project Manager II
(615)301-5035
Ken.Hayes@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: 680-191488-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD RPD exceeds control limits.
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.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

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.

General Chemistry

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: 680-191488-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-191488-1	OLF-G74 PORT 1	Water	11/11/20 09:50	11/13/20 09:30	
680-191488-2	OLF-G74 PORT 2	Water	11/11/20 10:20	11/13/20 09:30	
680-191488-3	OLF-G74 PORT 3	Water	11/11/20 10:45	11/13/20 09:30	
680-191488-4	OLF-G74 PORT 4	Water	11/11/20 11:10	11/13/20 09:30	
680-191488-5	OLF-G74 PORT 5	Water	11/11/20 11:35	11/13/20 09:30	
680-191488-6	OLF-G72 PORT 1	Water	11/11/20 13:50	11/13/20 09:30	
680-191488-7	OLF-G72 PORT 2	Water	11/11/20 14:35	11/13/20 09:30	
680-191488-8	OLF-G72 PORT 3	Water	11/11/20 15:00	11/13/20 09:30	
680-191488-9	OLF-G72 PORT 4	Water	11/11/20 15:25	11/13/20 09:30	
680-191488-10	OLF-G72 PORT 5	Water	11/11/20 15:55	11/13/20 09:30	
680-191488-11	OLF-G72 PORT 6	Water	11/11/20 06:20	11/13/20 09:30	
680-191488-12	DUP365	Water	11/10/20 00:00	11/13/20 09:30	
680-191488-13	DUP364	Water	11/11/20 00:00	11/13/20 09:30	
680-191488-14	PPMP-229-GP12	Water	11/11/20 14:35	11/13/20 09:30	
680-191488-15	TB569	Water	11/12/20 13:30	11/13/20 09:30	

Case Narrative

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

Job ID: 680-191488-1

Job ID: 680-191488-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-191488-1

Comments

No additional comments.

Receipt

The samples were received on 11/13/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-645311.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-645430 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The LCS associated with batch 645430 fails surrogate 1,2-Dichloroethane-D4 4% high. The target analytes have acceptable recoveries. The LCSD and all samples pass surrogate recoveries.

(LCS 680-645430/4)

Method 8260B: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 680-645430 exceeded control limits for the following analyte(s): dichlorodifluoromethane, Note that this analyte is a known poor performer when analyzed using this method.

Method 8260B: The matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 680-645430 exceeded control limits for the following analyte(s): naphthalene, Note that this analyte is a known poor performer when analyzed using this method.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-645528.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP365 (680-191488-12). Elevated reporting limits (RLs) are provided.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-645528 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-645722.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-645722 recovered outside control limits for the following analytes: Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-645722 recovered outside control limits for the following analytes: 2-Hexanone.

Method 8260B: The method blank for preparation batch <PrepBatch> contained Acetone and Naphthalene 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.

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

Case Narrative

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

Job ID: 680-191488-1

Job ID: 680-191488-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

HPLC/IC

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

GC Semi VOA

Method RSK-175: The method blank for analytical batch 680-645273 contained Methane above the method detection limit (MDL). Associated samples were not re-analyzed because results were greater than 10X the value found in the method blank.

Method RSK-175: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-645273 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Methane in the MS/MSD was above the instrument calibration range. The data has been reported and qualified.

Method RSK-175: Due to the high concentration of Methane, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 680-645526 could not be evaluated for accuracy and precision. The associated laboratory control sample (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: 680-191488-1

Client Sample ID: OLF-G74 PORT 1

Lab Sample ID: 680-191488-1

Date Collected: 11/11/20 09:50

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 10:24	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 10:24	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 10:24	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 10:24	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 10:24	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 10:24	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 10:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 10:24	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 10:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 10:24	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 10:24	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 10:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 10:24	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 10:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 10:24	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 10:24	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 10:24	1
cis-1,2-Dichloroethene	2.3		1.0	0.41	ug/L			11/24/20 10:24	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 10:24	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 10:24	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 10:24	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 10:24	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 10:24	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 10:24	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 10:24	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 10:24	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 10:24	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 10:24	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 10:24	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 10:24	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 10:24	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 10:24	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 10:24	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 10:24	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 10:24	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 10:24	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 10:24	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 10:24	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 10:24	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 10:24	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 10:24	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 10:24	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 10:24	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 10:24	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 10:24	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 10:24	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 10:24	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 10:24	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 10:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 1

Lab Sample ID: 680-191488-1

Date Collected: 11/11/20 09:50

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 10:24	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 10:24	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 10:24	1
1,1,2,2-Tetrachloroethane	4.2		1.0	0.62	ug/L			11/24/20 10:24	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 10:24	1
Toluene	0.69	J	1.0	0.48	ug/L			11/24/20 10:24	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 10:24	1
trans-1,2-Dichloroethene	0.49	J	1.0	0.37	ug/L			11/24/20 10:24	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 10:24	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 10:24	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 10:24	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 10:24	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 10:24	1
Trichloroethene	3.1		1.0	0.48	ug/L			11/24/20 10:24	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 10:24	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 10:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 10:24	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 10:24	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 10:24	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 10:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 10:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 10:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130		11/24/20 10:24	1
Dibromofluoromethane (Surr)	106		70 - 130		11/24/20 10:24	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 124		11/24/20 10:24	1
Toluene-d8 (Surr)	96		70 - 130		11/24/20 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.75	J	1.0	0.50	mg/L			11/20/20 10:14	1
Total Organic Carbon - Quad	0.75	J	1.0	0.50	mg/L			11/20/20 10:14	1

Client Sample ID: OLF-G74 PORT 2

Lab Sample ID: 680-191488-2

Date Collected: 11/11/20 10:20

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.5	J	10	7.0	ug/L			11/24/20 09:58	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 09:58	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 09:58	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 09:58	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 09:58	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 09:58	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 09:58	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 09:58	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 09:58	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 09:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 2

Lab Sample ID: 680-191488-2

Date Collected: 11/11/20 10:20

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 09:58	1
Chlorobenzene	6.1		1.0	0.26	ug/L			11/24/20 09:58	1
Chloroethane	4.0	J	5.0	2.5	ug/L			11/24/20 09:58	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 09:58	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 09:58	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 09:58	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 09:58	1
cis-1,2-Dichloroethene	54		1.0	0.41	ug/L			11/24/20 09:58	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 09:58	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 09:58	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 09:58	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 09:58	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 09:58	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 09:58	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 09:58	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 09:58	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 09:58	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 09:58	1
1,2-Dichloroethane	0.61	J	1.0	0.50	ug/L			11/24/20 09:58	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 09:58	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 09:58	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 09:58	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 09:58	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 09:58	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 09:58	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 09:58	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 09:58	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 09:58	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 09:58	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 09:58	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 09:58	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 09:58	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 09:58	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 09:58	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 09:58	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 09:58	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 09:58	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 09:58	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 09:58	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 09:58	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 09:58	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 09:58	1
1,1,2,2-Tetrachloroethane	28		1.0	0.62	ug/L			11/24/20 09:58	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 09:58	1
Toluene	4.7		1.0	0.48	ug/L			11/24/20 09:58	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 09:58	1
trans-1,2-Dichloroethene	32		1.0	0.37	ug/L			11/24/20 09:58	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 09:58	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 09:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 2

Lab Sample ID: 680-191488-2

Date Collected: 11/11/20 10:20

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 09:58	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 09:58	1
1,1,2-Trichloroethane	1.2		1.0	0.33	ug/L			11/24/20 09:58	1
Trichloroethene	58		1.0	0.48	ug/L			11/24/20 09:58	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 09:58	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 09:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 09:58	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 09:58	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 09:58	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 09:58	1
Vinyl chloride	4.7		1.0	0.50	ug/L			11/24/20 09:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 09:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130		11/24/20 09:58	1
Dibromofluoromethane (Surr)	103		70 - 130		11/24/20 09:58	1
1,2-Dichloroethane-d4 (Surr)	108		60 - 124		11/24/20 09:58	1
Toluene-d8 (Surr)	93		70 - 130		11/24/20 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.4		1.0	0.50	mg/L			11/20/20 10:31	1
Total Organic Carbon - Quad	1.4		1.0	0.50	mg/L			11/20/20 10:31	1

Client Sample ID: OLF-G74 PORT 3

Lab Sample ID: 680-191488-3

Date Collected: 11/11/20 10:45

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 09:32	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 09:32	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 09:32	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 09:32	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 09:32	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 09:32	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 09:32	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 09:32	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 09:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 09:32	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 09:32	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 09:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 09:32	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 09:32	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 09:32	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 09:32	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 09:32	1
cis-1,2-Dichloroethene	3.5		1.0	0.41	ug/L			11/24/20 09:32	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 09:32	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 09:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 3

Lab Sample ID: 680-191488-3

Date Collected: 11/11/20 10:45

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 09:32	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 09:32	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 09:32	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 09:32	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 09:32	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 09:32	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 09:32	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 09:32	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 09:32	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 09:32	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 09:32	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 09:32	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 09:32	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 09:32	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 09:32	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 09:32	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 09:32	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 09:32	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 09:32	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 09:32	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 09:32	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 09:32	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 09:32	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 09:32	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 09:32	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 09:32	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 09:32	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 09:32	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 09:32	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 09:32	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 09:32	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 09:32	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 09:32	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 09:32	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 09:32	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 09:32	1
trans-1,2-Dichloroethene	0.48	J	1.0	0.37	ug/L			11/24/20 09:32	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 09:32	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 09:32	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 09:32	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 09:32	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 09:32	1
Trichloroethene	22		1.0	0.48	ug/L			11/24/20 09:32	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 09:32	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 09:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 09:32	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 09:32	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 09:32	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 09:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 3

Lab Sample ID: 680-191488-3

Date Collected: 11/11/20 10:45

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 09:32	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 09:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130					11/24/20 09:32	1
Dibromofluoromethane (Surr)	107		70 - 130					11/24/20 09:32	1
1,2-Dichloroethane-d4 (Surr)	114		60 - 124					11/24/20 09:32	1
Toluene-d8 (Surr)	100		70 - 130					11/24/20 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.82	J	1.0	0.50	mg/L			11/20/20 10:49	1
Total Organic Carbon - Quad	0.82	J	1.0	0.50	mg/L			11/20/20 10:49	1

Client Sample ID: OLF-G74 PORT 4

Lab Sample ID: 680-191488-4

Date Collected: 11/11/20 11:10

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 09:07	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 09:07	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 09:07	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 09:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 09:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 09:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 09:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 09:07	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 09:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 09:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 09:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 09:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 09:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 09:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 09:07	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 09:07	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 09:07	1
cis-1,2-Dichloroethene	1.6		1.0	0.41	ug/L			11/24/20 09:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 09:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 09:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 09:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 09:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 09:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 09:07	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 09:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 09:07	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 09:07	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 09:07	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 09:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 09:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 4

Lab Sample ID: 680-191488-4

Date Collected: 11/11/20 11:10

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 09:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 09:07	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 09:07	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 09:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 09:07	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 09:07	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 09:07	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 09:07	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 09:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 09:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 09:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 09:07	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 09:07	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 09:07	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 09:07	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 09:07	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 09:07	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 09:07	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 09:07	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 09:07	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 09:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 09:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 09:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 09:07	1
Toluene	0.77	J	1.0	0.48	ug/L			11/24/20 09:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 09:07	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 09:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 09:07	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 09:07	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 09:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 09:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 09:07	1
Trichloroethene	3.4		1.0	0.48	ug/L			11/24/20 09:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 09:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 09:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 09:07	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 09:07	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 09:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 09:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 09:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 09:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130		11/24/20 09:07	1
Dibromofluoromethane (Surr)	108		70 - 130		11/24/20 09:07	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 124		11/24/20 09:07	1
Toluene-d8 (Surr)	98		70 - 130		11/24/20 09:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 4

Lab Sample ID: 680-191488-4

Date Collected: 11/11/20 11:10

Matrix: Water

Date Received: 11/13/20 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.68	J	1.0	0.50	mg/L			11/20/20 11:06	1
Total Organic Carbon - Quad	0.68	J	1.0	0.50	mg/L			11/20/20 11:06	1

Client Sample ID: OLF-G74 PORT 5

Lab Sample ID: 680-191488-5

Date Collected: 11/11/20 11:35

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 08:41	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 08:41	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 08:41	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 08:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 08:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 08:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 08:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 08:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 08:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 08:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 08:41	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 08:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 08:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 08:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 08:41	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 08:41	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 08:41	1
cis-1,2-Dichloroethene	1.0		1.0	0.41	ug/L			11/24/20 08:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 08:41	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 08:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 08:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 08:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 08:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 08:41	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 08:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 08:41	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 08:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 08:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 08:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 08:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 08:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 08:41	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 08:41	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 08:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 08:41	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 08:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 08:41	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 08:41	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 08:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 08:41	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 08:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 5

Lab Sample ID: 680-191488-5

Date Collected: 11/11/20 11:35

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 08:41	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 08:41	1
Naphthalene	5.5		5.0	2.5	ug/L			11/24/20 08:41	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 08:41	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 08:41	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 08:41	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 08:41	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 08:41	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 08:41	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 08:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 08:41	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 08:41	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 08:41	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 08:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 08:41	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 08:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 08:41	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 08:41	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 08:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 08:41	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 08:41	1
Trichloroethene	1.6		1.0	0.48	ug/L			11/24/20 08:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 08:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 08:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 08:41	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 08:41	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 08:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 08:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 08:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 08:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130		11/24/20 08:41	1
Dibromofluoromethane (Surr)	103		70 - 130		11/24/20 08:41	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		11/24/20 08:41	1
Toluene-d8 (Surr)	99		70 - 130		11/24/20 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.7		1.0	0.50	mg/L			11/20/20 11:23	1
Total Organic Carbon - Quad	1.7		1.0	0.50	mg/L			11/20/20 11:23	1

Client Sample ID: OLF-G72 PORT 1

Lab Sample ID: 680-191488-6

Date Collected: 11/11/20 13:50

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 08:16	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 08:16	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 1

Lab Sample ID: 680-191488-6

Date Collected: 11/11/20 13:50

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.1		1.0	0.43	ug/L			11/24/20 08:16	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 08:16	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 08:16	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 08:16	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 08:16	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 08:16	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 08:16	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 08:16	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 08:16	1
Chlorobenzene	57		1.0	0.26	ug/L			11/24/20 08:16	1
Chloroethane	6.2		5.0	2.5	ug/L			11/24/20 08:16	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 08:16	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 08:16	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 08:16	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 08:16	1
cis-1,2-Dichloroethene	0.44	J	1.0	0.41	ug/L			11/24/20 08:16	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 08:16	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 08:16	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 08:16	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 08:16	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 08:16	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 08:16	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 08:16	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 08:16	1
Dichlorodifluoromethane	0.60	U * F1	1.0	0.60	ug/L			11/24/20 08:16	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 08:16	1
1,2-Dichloroethane	2.1		1.0	0.50	ug/L			11/24/20 08:16	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 08:16	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 08:16	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 08:16	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 08:16	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 08:16	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 08:16	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 08:16	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 08:16	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 08:16	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 08:16	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 08:16	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 08:16	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 08:16	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 08:16	1
Naphthalene	2.5	U F2	5.0	2.5	ug/L			11/24/20 08:16	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 08:16	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 08:16	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 08:16	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 08:16	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 08:16	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 08:16	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 08:16	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 1

Lab Sample ID: 680-191488-6

Date Collected: 11/11/20 13:50

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 08:16	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 08:16	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 08:16	1
Toluene	2.4		1.0	0.48	ug/L			11/24/20 08:16	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 08:16	1
trans-1,2-Dichloroethene	0.50	J	1.0	0.37	ug/L			11/24/20 08:16	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 08:16	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 08:16	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 08:16	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 08:16	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 08:16	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 08:16	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 08:16	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 08:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 08:16	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 08:16	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 08:16	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 08:16	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 08:16	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 08:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130		11/24/20 08:16	1
Dibromofluoromethane (Surr)	104		70 - 130		11/24/20 08:16	1
1,2-Dichloroethane-d4 (Surr)	103		60 - 124		11/24/20 08:16	1
Toluene-d8 (Surr)	96		70 - 130		11/24/20 08:16	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	37		1.1	0.55	ug/L			11/24/20 20:30	1
Ethene	19		1.0	0.50	ug/L			11/24/20 20:30	1
Methane (TCD)	30000		390	39	ug/L			11/24/20 20:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	6.2		1.0	0.50	mg/L			11/20/20 11:41	1
Total Organic Carbon - Quad	6.2		1.0	0.50	mg/L			11/20/20 11:41	1

Client Sample ID: OLF-G72 PORT 2

Lab Sample ID: 680-191488-7

Date Collected: 11/11/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 07:50	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 07:50	1
Benzene	1.4		1.0	0.43	ug/L			11/24/20 07:50	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 07:50	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 07:50	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 07:50	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 07:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 2

Lab Sample ID: 680-191488-7

Date Collected: 11/11/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 07:50	1
2-Butanone (MEK)	5.3	J	10	3.4	ug/L			11/24/20 07:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 07:50	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 07:50	1
Chlorobenzene	44		1.0	0.26	ug/L			11/24/20 07:50	1
Chloroethane	4.0	J	5.0	2.5	ug/L			11/24/20 07:50	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 07:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 07:50	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 07:50	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 07:50	1
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L			11/24/20 07:50	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 07:50	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 07:50	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 07:50	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 07:50	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 07:50	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 07:50	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 07:50	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 07:50	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 07:50	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 07:50	1
1,2-Dichloroethane	0.65	J	1.0	0.50	ug/L			11/24/20 07:50	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 07:50	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 07:50	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 07:50	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 07:50	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 07:50	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 07:50	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 07:50	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 07:50	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 07:50	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 07:50	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 07:50	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 07:50	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 07:50	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 07:50	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 07:50	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 07:50	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 07:50	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 07:50	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 07:50	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 07:50	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 07:50	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 07:50	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 07:50	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 07:50	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 07:50	1
Toluene	6.3		1.0	0.48	ug/L			11/24/20 07:50	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 07:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 2

Lab Sample ID: 680-191488-7

Date Collected: 11/11/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.8		1.0	0.37	ug/L			11/24/20 07:50	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 07:50	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 07:50	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 07:50	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 07:50	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 07:50	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 07:50	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 07:50	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 07:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 07:50	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 07:50	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 07:50	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 07:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 07:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130		11/24/20 07:50	1
Dibromofluoromethane (Surr)	103		70 - 130		11/24/20 07:50	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		11/24/20 07:50	1
Toluene-d8 (Surr)	96		70 - 130		11/24/20 07:50	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	9.8		1.1	0.55	ug/L			11/23/20 16:48	1
Ethene	9.0		1.0	0.50	ug/L			11/23/20 16:48	1
Methane (TCD)	21000		390	39	ug/L			11/23/20 16:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	42		1.0	0.50	mg/L			11/20/20 12:34	1
Total Organic Carbon - Quad	42		1.0	0.50	mg/L			11/20/20 12:34	1

Client Sample ID: OLF-G72 PORT 3

Lab Sample ID: 680-191488-8

Date Collected: 11/11/20 15:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 07:25	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 07:25	1
Benzene	0.72	J	1.0	0.43	ug/L			11/24/20 07:25	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 07:25	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 07:25	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 07:25	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 07:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 07:25	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 07:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 07:25	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 07:25	1
Chlorobenzene	11		1.0	0.26	ug/L			11/24/20 07:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 3

Lab Sample ID: 680-191488-8

Date Collected: 11/11/20 15:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 07:25	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 07:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 07:25	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 07:25	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 07:25	1
cis-1,2-Dichloroethene	0.57	J	1.0	0.41	ug/L			11/24/20 07:25	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 07:25	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 07:25	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 07:25	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 07:25	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 07:25	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 07:25	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 07:25	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 07:25	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 07:25	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 07:25	1
1,2-Dichloroethane	1.5		1.0	0.50	ug/L			11/24/20 07:25	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 07:25	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 07:25	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 07:25	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 07:25	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 07:25	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 07:25	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 07:25	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 07:25	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 07:25	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 07:25	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 07:25	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 07:25	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 07:25	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 07:25	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 07:25	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 07:25	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 07:25	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 07:25	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 07:25	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 07:25	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 07:25	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 07:25	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 07:25	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 07:25	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 07:25	1
Toluene	5.9		1.0	0.48	ug/L			11/24/20 07:25	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 07:25	1
trans-1,2-Dichloroethene	1.4		1.0	0.37	ug/L			11/24/20 07:25	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 07:25	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 07:25	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 07:25	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 07:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 3

Lab Sample ID: 680-191488-8

Date Collected: 11/11/20 15:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 07:25	1
Trichloroethene	0.50	J	1.0	0.48	ug/L			11/24/20 07:25	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 07:25	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 07:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 07:25	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 07:25	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 07:25	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 07:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 07:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130		11/24/20 07:25	1
Dibromofluoromethane (Surr)	103		70 - 130		11/24/20 07:25	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 124		11/24/20 07:25	1
Toluene-d8 (Surr)	95		70 - 130		11/24/20 07:25	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	41		1.1	0.55	ug/L			11/24/20 18:46	1
Ethene	14		1.0	0.50	ug/L			11/24/20 18:46	1
Methane (TCD)	14000		390	39	ug/L			11/24/20 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.7		1.0	0.50	mg/L			11/20/20 12:53	1
Total Organic Carbon - Quad	2.7		1.0	0.50	mg/L			11/20/20 12:53	1

Client Sample ID: OLF-G72 PORT 4

Lab Sample ID: 680-191488-9

Date Collected: 11/11/20 15:25

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 06:59	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 06:59	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 06:59	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 06:59	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 06:59	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 06:59	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 06:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 06:59	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 06:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 06:59	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 06:59	1
Chlorobenzene	7.6		1.0	0.26	ug/L			11/24/20 06:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 06:59	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 06:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 06:59	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 06:59	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 06:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 4

Lab Sample ID: 680-191488-9

Date Collected: 11/11/20 15:25

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/24/20 06:59	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 06:59	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 06:59	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 06:59	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 06:59	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 06:59	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 06:59	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 06:59	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 06:59	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 06:59	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 06:59	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 06:59	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 06:59	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 06:59	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 06:59	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 06:59	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 06:59	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 06:59	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 06:59	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 06:59	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 06:59	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 06:59	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 06:59	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 06:59	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 06:59	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 06:59	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 06:59	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 06:59	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 06:59	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 06:59	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 06:59	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 06:59	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 06:59	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 06:59	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 06:59	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 06:59	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 06:59	1
Toluene	0.95	J	1.0	0.48	ug/L			11/24/20 06:59	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 06:59	1
trans-1,2-Dichloroethene	1.2		1.0	0.37	ug/L			11/24/20 06:59	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 06:59	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 06:59	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 06:59	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 06:59	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 06:59	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 06:59	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 06:59	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 06:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 06:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 4

Lab Sample ID: 680-191488-9

Date Collected: 11/11/20 15:25

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 06:59	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 06:59	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 06:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 06:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130		11/24/20 06:59	1
Dibromofluoromethane (Surr)	105		70 - 130		11/24/20 06:59	1
1,2-Dichloroethane-d4 (Surr)	109		60 - 124		11/24/20 06:59	1
Toluene-d8 (Surr)	96		70 - 130		11/24/20 06:59	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	1.4		1.1	0.55	ug/L			11/24/20 18:59	1
Ethene	0.50	U	1.0	0.50	ug/L			11/24/20 18:59	1
Methane (TCD)	17000		390	39	ug/L			11/24/20 18:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	11		1.0	0.50	mg/L			11/20/20 13:44	1
Total Organic Carbon - Quad	11		1.0	0.50	mg/L			11/20/20 13:44	1

Client Sample ID: OLF-G72 PORT 5

Lab Sample ID: 680-191488-10

Date Collected: 11/11/20 15:55

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 06:34	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 06:34	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 06:34	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 06:34	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 06:34	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 06:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 06:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 06:34	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 06:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 06:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 06:34	1
Chlorobenzene	0.64	J	1.0	0.26	ug/L			11/24/20 06:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 06:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 06:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 06:34	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 06:34	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 06:34	1
cis-1,2-Dichloroethene	6.7		1.0	0.41	ug/L			11/24/20 06:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 06:34	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 06:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 06:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 06:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 5

Lab Sample ID: 680-191488-10

Date Collected: 11/11/20 15:55

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 06:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 06:34	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 06:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 06:34	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 06:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 06:34	1
1,2-Dichloroethane	0.68	J	1.0	0.50	ug/L			11/24/20 06:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 06:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 06:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 06:34	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 06:34	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 06:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 06:34	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 06:34	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 06:34	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 06:34	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 06:34	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 06:34	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 06:34	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 06:34	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 06:34	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 06:34	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 06:34	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 06:34	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 06:34	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 06:34	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 06:34	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 06:34	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 06:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 06:34	1
1,1,2,2-Tetrachloroethane	1.0		1.0	0.62	ug/L			11/24/20 06:34	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 06:34	1
Toluene	4.7		1.0	0.48	ug/L			11/24/20 06:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 06:34	1
trans-1,2-Dichloroethene	1.6		1.0	0.37	ug/L			11/24/20 06:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 06:34	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 06:34	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 06:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 06:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 06:34	1
Trichloroethene	7.2		1.0	0.48	ug/L			11/24/20 06:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 06:34	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 06:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 06:34	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 06:34	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 06:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 06:34	1
Vinyl chloride	0.56	J	1.0	0.50	ug/L			11/24/20 06:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 06:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 5

Lab Sample ID: 680-191488-10

Date Collected: 11/11/20 15:55

Matrix: Water

Date Received: 11/13/20 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		11/24/20 06:34	1
Dibromofluoromethane (Surr)	104		70 - 130		11/24/20 06:34	1
1,2-Dichloroethane-d4 (Surr)	107		60 - 124		11/24/20 06:34	1
Toluene-d8 (Surr)	96		70 - 130		11/24/20 06:34	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.9		1.1	0.55	ug/L			11/24/20 19:12	1
Ethene	7.1		1.0	0.50	ug/L			11/24/20 19:12	1
Methane (TCD)	8000		390	39	ug/L			11/24/20 19:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.50	mg/L			11/20/20 14:02	1
Total Organic Carbon - Quad	1.3		1.0	0.50	mg/L			11/20/20 14:02	1

Client Sample ID: OLF-G72 PORT 6

Lab Sample ID: 680-191488-11

Date Collected: 11/11/20 06:20

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 06:08	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 06:08	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 06:08	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 06:08	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 06:08	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 06:08	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 06:08	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 06:08	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 06:08	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 06:08	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 06:08	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 06:08	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 06:08	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 06:08	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 06:08	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 06:08	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 06:08	1
cis-1,2-Dichloroethene	3.3		1.0	0.41	ug/L			11/24/20 06:08	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 06:08	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 06:08	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 06:08	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 06:08	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 06:08	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 06:08	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 06:08	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 06:08	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 06:08	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 06:08	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 06:08	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 6

Lab Sample ID: 680-191488-11

Date Collected: 11/11/20 06:20

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 06:08	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 06:08	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 06:08	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 06:08	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 06:08	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 06:08	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 06:08	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 06:08	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 06:08	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 06:08	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 06:08	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 06:08	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 06:08	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 06:08	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 06:08	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 06:08	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 06:08	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 06:08	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 06:08	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 06:08	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 06:08	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 06:08	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 06:08	1
1,1,2,2-Tetrachloroethane	21		1.0	0.62	ug/L			11/24/20 06:08	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 06:08	1
Toluene	0.53	J	1.0	0.48	ug/L			11/24/20 06:08	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 06:08	1
trans-1,2-Dichloroethene	0.70	J	1.0	0.37	ug/L			11/24/20 06:08	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 06:08	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 06:08	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 06:08	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 06:08	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 06:08	1
Trichloroethene	16		1.0	0.48	ug/L			11/24/20 06:08	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 06:08	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 06:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 06:08	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 06:08	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 06:08	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 06:08	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 06:08	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 06:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130		11/24/20 06:08	1
Dibromofluoromethane (Surr)	112		70 - 130		11/24/20 06:08	1
1,2-Dichloroethane-d4 (Surr)	111		60 - 124		11/24/20 06:08	1
Toluene-d8 (Surr)	101		70 - 130		11/24/20 06:08	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 6

Lab Sample ID: 680-191488-11

Date Collected: 11/11/20 06:20

Matrix: Water

Date Received: 11/13/20 09:30

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.56	J	1.1	0.55	ug/L			11/24/20 19:25	1
Ethene	2.3		1.0	0.50	ug/L			11/24/20 19:25	1
Methane (TCD)	960		390	39	ug/L			11/24/20 19:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.84	J	1.0	0.50	mg/L			11/20/20 14:19	1
Total Organic Carbon - Quad	0.84	J	1.0	0.50	mg/L			11/20/20 14:19	1

Client Sample ID: DUP365

Lab Sample ID: 680-191488-12

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 17:47	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 17:47	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 17:47	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/20 17:47	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 17:47	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 17:47	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 17:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 17:47	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 17:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 17:47	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 17:47	1
Chlorobenzene	13		1.0	0.26	ug/L			11/23/20 17:47	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 17:47	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 17:47	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 17:47	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/20 17:47	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/20 17:47	1
cis-1,2-Dichloroethene	180		1.0	0.41	ug/L			11/23/20 17:47	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 17:47	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 17:47	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 17:47	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 17:47	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 17:47	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 17:47	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/20 17:47	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 17:47	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/20 17:47	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 17:47	1
1,2-Dichloroethane	0.55	J	1.0	0.50	ug/L			11/23/20 17:47	1
1,1-Dichloroethene	0.51	J	1.0	0.36	ug/L			11/23/20 17:47	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 17:47	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 17:47	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/20 17:47	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/20 17:47	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 17:47	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: DUP365

Lab Sample ID: 680-191488-12

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/20 17:47	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 17:47	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 17:47	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/20 17:47	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 17:47	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 17:47	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 17:47	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/20 17:47	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/20 17:47	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/20 17:47	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/20 17:47	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/20 17:47	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/20 17:47	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/20 17:47	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 17:47	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/20 17:47	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 17:47	1
Tetrachloroethylene	7.0		1.0	0.74	ug/L			11/23/20 17:47	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 17:47	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 17:47	1
trans-1,2-Dichloroethene	180		1.0	0.37	ug/L			11/23/20 17:47	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 17:47	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/20 17:47	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/20 17:47	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 17:47	1
1,1,2-Trichloroethane	23		1.0	0.33	ug/L			11/23/20 17:47	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 17:47	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 17:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/20 17:47	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/20 17:47	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/20 17:47	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 17:47	1
Vinyl chloride	14		1.0	0.50	ug/L			11/23/20 17:47	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		11/23/20 17:47	1
Dibromofluoromethane (Surr)	97		70 - 130		11/23/20 17:47	1
1,2-Dichloroethane-d4 (Surr)	84		60 - 124		11/23/20 17:47	1
Toluene-d8 (Surr)	107		70 - 130		11/23/20 17:47	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	730		10	6.2	ug/L			11/24/20 16:51	10
Trichloroethene	310		10	4.8	ug/L			11/24/20 16:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		11/24/20 16:51	10
Dibromofluoromethane (Surr)	103		70 - 130		11/24/20 16:51	10
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		11/24/20 16:51	10

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: DUP365

Lab Sample ID: 680-191488-12

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		70 - 130		11/24/20 16:51	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	4.0		1.1	0.55	ug/L			11/23/20 17:01	1
Ethene	33		1.0	0.50	ug/L			11/23/20 17:01	1
Methane (TCD)	940		390	39	ug/L			11/23/20 17:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.50	mg/L			11/20/20 07:46	1
Total Organic Carbon - Quad	1.3		1.0	0.50	mg/L			11/20/20 07:46	1

Client Sample ID: DUP364

Lab Sample ID: 680-191488-13

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 05:17	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 05:17	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 05:17	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 05:17	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 05:17	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 05:17	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 05:17	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 05:17	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 05:17	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 05:17	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 05:17	1
Chlorobenzene	7.4		1.0	0.26	ug/L			11/24/20 05:17	1
Chloroethane	3.8	J	5.0	2.5	ug/L			11/24/20 05:17	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 05:17	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 05:17	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 05:17	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 05:17	1
cis-1,2-Dichloroethene	54		1.0	0.41	ug/L			11/24/20 05:17	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 05:17	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 05:17	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 05:17	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 05:17	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 05:17	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 05:17	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 05:17	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 05:17	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 05:17	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 05:17	1
1,2-Dichloroethane	0.50	J	1.0	0.50	ug/L			11/24/20 05:17	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 05:17	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 05:17	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: DUP364

Lab Sample ID: 680-191488-13

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 05:17	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 05:17	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 05:17	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 05:17	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 05:17	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 05:17	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 05:17	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 05:17	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 05:17	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 05:17	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 05:17	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 05:17	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 05:17	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 05:17	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 05:17	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 05:17	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 05:17	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 05:17	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 05:17	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 05:17	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 05:17	1
1,1,2,2-Tetrachloroethane	35		1.0	0.62	ug/L			11/24/20 05:17	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 05:17	1
Toluene	1.2		1.0	0.48	ug/L			11/24/20 05:17	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 05:17	1
trans-1,2-Dichloroethene	30		1.0	0.37	ug/L			11/24/20 05:17	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 05:17	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 05:17	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 05:17	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 05:17	1
1,1,2-Trichloroethane	1.6		1.0	0.33	ug/L			11/24/20 05:17	1
Trichloroethene	76		1.0	0.48	ug/L			11/24/20 05:17	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 05:17	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 05:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 05:17	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 05:17	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 05:17	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 05:17	1
Vinyl chloride	4.7		1.0	0.50	ug/L			11/24/20 05:17	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 05:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130		11/24/20 05:17	1
Dibromofluoromethane (Surr)	105		70 - 130		11/24/20 05:17	1
1,2-Dichloroethane-d4 (Surr)	104		60 - 124		11/24/20 05:17	1
Toluene-d8 (Surr)	96		70 - 130		11/24/20 05:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.75	J	1.0	0.50	mg/L			11/20/20 08:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: DUP364

Lab Sample ID: 680-191488-13

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon - Quad	0.75	J	1.0	0.50	mg/L			11/20/20 08:41	1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-191488-14

Date Collected: 11/11/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 04:51	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 04:51	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 04:51	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 04:51	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 04:51	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 04:51	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 04:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 04:51	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 04:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 04:51	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 04:51	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 04:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 04:51	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 04:51	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 04:51	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 04:51	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 04:51	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/24/20 04:51	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 04:51	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 04:51	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 04:51	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 04:51	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 04:51	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 04:51	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 04:51	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 04:51	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/24/20 04:51	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 04:51	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 04:51	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 04:51	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 04:51	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 04:51	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 04:51	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 04:51	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 04:51	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 04:51	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 04:51	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 04:51	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 04:51	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 04:51	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 04:51	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 04:51	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-191488-14

Date Collected: 11/11/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 04:51	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 04:51	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 04:51	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 04:51	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 04:51	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 04:51	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 04:51	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 04:51	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 04:51	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 04:51	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 04:51	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 04:51	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 04:51	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 04:51	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 04:51	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 04:51	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 04:51	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 04:51	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 04:51	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 04:51	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 04:51	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 04:51	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 04:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 04:51	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 04:51	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 04:51	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 04:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 04:51	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 04:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130					11/24/20 04:51	1
Dibromofluoromethane (Surr)	109		70 - 130					11/24/20 04:51	1
1,2-Dichloroethane-d4 (Surr)	120		60 - 124					11/24/20 04:51	1
Toluene-d8 (Surr)	101		70 - 130					11/24/20 04:51	1

Client Sample ID: TB569

Lab Sample ID: 680-191488-15

Date Collected: 11/12/20 13:30

Matrix: Water

Date Received: 11/13/20 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 16:30	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 16:30	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 16:30	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/20 16:30	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 16:30	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 16:30	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 16:30	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 16:30	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: TB569

Lab Sample ID: 680-191488-15

Date Collected: 11/12/20 13:30

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 16:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 16:30	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 16:30	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 16:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 16:30	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 16:30	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 16:30	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/25/20 16:30	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/20 16:30	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 16:30	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 16:30	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 16:30	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 16:30	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 16:30	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 16:30	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 16:30	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/20 16:30	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 16:30	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			11/25/20 16:30	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 16:30	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 16:30	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 16:30	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 16:30	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 16:30	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/20 16:30	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/20 16:30	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 16:30	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/20 16:30	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/25/20 16:30	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 16:30	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/20 16:30	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 16:30	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 16:30	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 16:30	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/20 16:30	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/20 16:30	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/20 16:30	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/20 16:30	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/20 16:30	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/20 16:30	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/20 16:30	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 16:30	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/20 16:30	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 16:30	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 16:30	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 16:30	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 16:30	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 16:30	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 16:30	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191488-1

Client Sample ID: TB569

Lab Sample ID: 680-191488-15

Date Collected: 11/12/20 13:30

Matrix: Water

Date Received: 11/13/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 16:30	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/20 16:30	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/20 16:30	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 16:30	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 16:30	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 16:30	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 16:30	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 16:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/20 16:30	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/20 16:30	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/20 16:30	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 16:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 16:30	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 16:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130					11/25/20 16:30	1
Dibromofluoromethane (Surr)	102		70 - 130					11/25/20 16:30	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124					11/25/20 16:30	1
Toluene-d8 (Surr)	98		70 - 130					11/25/20 16:30	1

QC Sample Results

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

Job ID: 680-191488-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-645311/8

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/23/20 14:48	1
Acrylonitrile	10	U	20	10	ug/L			11/23/20 14:48	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/20 14:48	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/20 14:48	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/20 14:48	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/20 14:48	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/20 14:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/20 14:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/20 14:48	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/20 14:48	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/20 14:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/20 14:48	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/20 14:48	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/20 14:48	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/20 14:48	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/20 14:48	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/20 14:48	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/20 14:48	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/20 14:48	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/20 14:48	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/20 14:48	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/20 14:48	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/20 14:48	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/20 14:48	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/20 14:48	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/20 14:48	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/20 14:48	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/20 14:48	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/20 14:48	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/20 14:48	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/20 14:48	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/20 14:48	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/20 14:48	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/20 14:48	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/23/20 14:48	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/20 14:48	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/20 14:48	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/20 14:48	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/20 14:48	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/20 14:48	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/20 14:48	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: MB 680-645311/8

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/20 14:48	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/20 14:48	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/20 14:48	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/20 14:48	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/20 14:48	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/20 14:48	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/20 14:48	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/20 14:48	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/20 14:48	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/20 14:48	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/20 14:48	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/20 14:48	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/20 14:48	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/20 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/20 14:48	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/20 14:48	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/20 14:48	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/20 14:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/20 14:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/20 14:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		11/23/20 14:48	1
Dibromofluoromethane (Surr)	100		70 - 130		11/23/20 14:48	1
1,2-Dichloroethane-d4 (Surr)	85		60 - 124		11/23/20 14:48	1
Toluene-d8 (Surr)	106		70 - 130		11/23/20 14:48	1

Lab Sample ID: LCS 680-645311/3

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	236		ug/L		95	67 - 113
Acrylonitrile	500	491		ug/L		98	70 - 130
Benzene	50.0	50.1		ug/L		100	70 - 130
Bromobenzene	50.0	55.3		ug/L		111	70 - 130
Bromochloromethane	50.0	53.7		ug/L		107	70 - 130
Bromodichloromethane	50.0	49.0		ug/L		98	70 - 130
Bromoform	50.0	56.9		ug/L		114	69 - 129
Bromomethane	50.0	33.2		ug/L		66	28 - 192
2-Butanone (MEK)	250	263		ug/L		105	69 - 114
Carbon disulfide	50.0	48.6		ug/L		97	70 - 130
Carbon tetrachloride	50.0	47.4		ug/L		95	70 - 130
Chlorobenzene	50.0	53.2		ug/L		106	70 - 130
Chloroethane	50.0	43.0		ug/L		86	31 - 213

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCS 680-645311/3

Matrix: Water

Analysis Batch: 645311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	47.5		ug/L		95	70 - 130
Chloromethane	50.0	43.1		ug/L		86	59 - 127
2-Chlorotoluene	50.0	48.3		ug/L		97	70 - 130
4-Chlorotoluene	50.0	48.5		ug/L		97	70 - 130
cis-1,2-Dichloroethene	50.0	45.9		ug/L		92	70 - 130
cis-1,3-Dichloropropene	50.0	52.1		ug/L		104	70 - 130
Dibromochloromethane	50.0	54.4		ug/L		109	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/L		105	70 - 130
1,2-Dibromoethane	50.0	54.8		ug/L		110	70 - 130
Dibromomethane	50.0	49.4		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 130
1,3-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	46.1		ug/L		92	70 - 130
1,1-Dichloroethane	50.0	47.1		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
1,2-Dichloropropane	50.0	51.3		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	53.2		ug/L		106	70 - 130
2,2-Dichloropropane	50.0	47.4		ug/L		95	70 - 130
1,1-Dichloropropene	50.0	49.4		ug/L		99	70 - 130
Ethylbenzene	50.0	48.7		ug/L		97	70 - 130
Hexachlorobutadiene	50.0	52.6		ug/L		105	70 - 130
2-Hexanone	250	224		ug/L		90	70 - 130
Iodomethane	50.0	46.9		ug/L		94	52 - 129
Isopropylbenzene	50.0	48.9		ug/L		98	70 - 130
Methylene Chloride	50.0	50.0		ug/L		100	70 - 130
4-Methyl-2-pentanone (MIBK)	250	221		ug/L		88	68 - 108
Methyl tert-butyl ether	50.0	49.2		ug/L		98	70 - 130
m-Xylene & p-Xylene	50.0	49.8		ug/L		100	70 - 130
Naphthalene	50.0	49.7		ug/L		99	57 - 149
n-Butylbenzene	50.0	41.6		ug/L		83	70 - 130
N-Propylbenzene	50.0	47.1		ug/L		94	70 - 130
o-Xylene	50.0	50.3		ug/L		101	70 - 130
p-Isopropyltoluene	50.0	45.3		ug/L		91	70 - 130
sec-Butylbenzene	50.0	46.1		ug/L		92	70 - 130
Styrene	50.0	53.8		ug/L		108	70 - 130
tert-Butylbenzene	50.0	47.6		ug/L		95	70 - 130
1,1,1,2-Tetrachloroethane	50.0	56.2		ug/L		112	70 - 130
1,1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	70 - 130
Tetrachloroethylene	50.0	54.6		ug/L		109	70 - 130
Toluene	50.0	51.2		ug/L		102	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.0		ug/L		92	67 - 112
trans-1,2-Dichloroethene	50.0	50.2		ug/L		100	70 - 130
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	50.0	50.6		ug/L		101	61 - 141
1,2,4-Trichlorobenzene	50.0	50.0		ug/L		100	70 - 130
1,1,1-Trichloroethane	50.0	45.9		ug/L		92	70 - 130
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCS 680-645311/3

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	54.3		ug/L		109	70 - 130
Trichlorofluoromethane	50.0	43.4		ug/L		87	63 - 142
1,2,3-Trichloropropane	50.0	54.0		ug/L		108	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.6		ug/L		109	63 - 141
1,2,4-Trimethylbenzene	50.0	46.8		ug/L		94	70 - 130
1,3,5-Trimethylbenzene	50.0	46.3		ug/L		93	70 - 130
Vinyl acetate	100	104		ug/L		104	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
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	95		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-645311/4

Matrix: Water

Analysis Batch: 645311

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	233		ug/L		93	67 - 113	2	30
Acrylonitrile	500	478		ug/L		96	70 - 130	3	30
Benzene	50.0	50.7		ug/L		101	70 - 130	1	30
Bromobenzene	50.0	57.8		ug/L		116	70 - 130	5	30
Bromochloromethane	50.0	52.5		ug/L		105	70 - 130	2	30
Bromodichloromethane	50.0	49.3		ug/L		99	70 - 130	1	30
Bromoform	50.0	58.7		ug/L		117	69 - 129	3	30
Bromomethane	50.0	37.8		ug/L		76	28 - 192	13	30
2-Butanone (MEK)	250	254		ug/L		102	69 - 114	3	30
Carbon disulfide	50.0	51.6		ug/L		103	70 - 130	6	30
Carbon tetrachloride	50.0	48.7		ug/L		97	70 - 130	3	30
Chlorobenzene	50.0	55.5		ug/L		111	70 - 130	4	30
Chloroethane	50.0	44.1		ug/L		88	31 - 213	2	30
Chloroform	50.0	47.6		ug/L		95	70 - 130	0	30
Chloromethane	50.0	45.1		ug/L		90	59 - 127	5	30
2-Chlorotoluene	50.0	51.2		ug/L		102	70 - 130	6	30
4-Chlorotoluene	50.0	51.1		ug/L		102	70 - 130	5	30
cis-1,2-Dichloroethene	50.0	46.0		ug/L		92	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	51.6		ug/L		103	70 - 130	1	20
Dibromochloromethane	50.0	52.5		ug/L		105	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	50.0	53.0		ug/L		106	70 - 130	1	30
1,2-Dibromoethane	50.0	53.0		ug/L		106	70 - 130	3	30
Dibromomethane	50.0	50.2		ug/L		100	70 - 130	1	30
1,2-Dichlorobenzene	50.0	50.8		ug/L		102	70 - 130	2	30
1,3-Dichlorobenzene	50.0	51.3		ug/L		103	70 - 130	3	30
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130	2	30
Dichlorodifluoromethane	50.0	49.7		ug/L		99	70 - 130	8	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCSD 680-645311/4

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	47.7		ug/L		95	70 - 130	1	30
1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130	0	50
1,1-Dichloroethene	50.0	49.9		ug/L		100	70 - 130	4	20
1,2-Dichloropropane	50.0	51.4		ug/L		103	70 - 130	0	20
1,3-Dichloropropane	50.0	51.8		ug/L		104	70 - 130	3	20
2,2-Dichloropropane	50.0	48.0		ug/L		96	70 - 130	1	20
1,1-Dichloropropene	50.0	50.9		ug/L		102	70 - 130	3	20
Ethylbenzene	50.0	51.8		ug/L		104	70 - 130	6	20
Hexachlorobutadiene	50.0	53.0		ug/L		106	70 - 130	1	20
2-Hexanone	250	217		ug/L		87	70 - 130	3	20
Iodomethane	50.0	49.1		ug/L		98	52 - 129	4	30
Isopropylbenzene	50.0	51.4		ug/L		103	70 - 130	5	30
Methylene Chloride	50.0	50.9		ug/L		102	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	250	216		ug/L		86	68 - 108	2	30
Methyl tert-butyl ether	50.0	49.0		ug/L		98	70 - 130	1	30
m-Xylene & p-Xylene	50.0	52.3		ug/L		105	70 - 130	5	30
Naphthalene	50.0	49.2		ug/L		98	57 - 149	1	30
n-Butylbenzene	50.0	43.7		ug/L		87	70 - 130	5	30
N-Propylbenzene	50.0	50.0		ug/L		100	70 - 130	6	30
o-Xylene	50.0	52.5		ug/L		105	70 - 130	4	30
p-Isopropyltoluene	50.0	47.1		ug/L		94	70 - 130	4	30
sec-Butylbenzene	50.0	49.0		ug/L		98	70 - 130	6	30
Styrene	50.0	55.8		ug/L		112	70 - 130	4	30
tert-Butylbenzene	50.0	51.6		ug/L		103	70 - 130	8	30
1,1,1,2-Tetrachloroethane	50.0	57.5		ug/L		115	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	53.2		ug/L		106	70 - 130	3	30
Tetrachloroethylene	50.0	56.1		ug/L		112	70 - 130	3	30
Toluene	50.0	51.4		ug/L		103	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	46.9		ug/L		94	67 - 112	2	30
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130	4	30
trans-1,3-Dichloropropene	50.0	49.9		ug/L		100	70 - 130	2	30
1,2,3-Trichlorobenzene	50.0	51.8		ug/L		104	61 - 141	2	30
1,2,4-Trichlorobenzene	50.0	50.3		ug/L		101	70 - 130	1	30
1,1,1-Trichloroethane	50.0	46.8		ug/L		94	70 - 130	2	30
1,1,2-Trichloroethane	50.0	52.7		ug/L		105	70 - 130	1	30
Trichloroethene	50.0	55.4		ug/L		111	70 - 130	2	30
Trichlorofluoromethane	50.0	46.2		ug/L		92	63 - 142	6	30
1,2,3-Trichloropropane	50.0	55.3		ug/L		111	70 - 130	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	57.0		ug/L		114	63 - 141	4	30
1,2,4-Trimethylbenzene	50.0	49.3		ug/L		99	70 - 130	5	30
1,3,5-Trimethylbenzene	50.0	49.1		ug/L		98	70 - 130	6	30
Vinyl acetate	100	99.6		ug/L		100	67 - 135	4	30
Vinyl chloride	50.0	48.5		ug/L		97	66 - 129	5	30
Xylenes, Total	100	105		ug/L		105	70 - 130	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCSD 680-645311/4

Matrix: Water

Analysis Batch: 645311

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Toluene-d8 (Surr)	109		70 - 130

Lab Sample ID: MB 680-645430/9

Matrix: Water

Analysis Batch: 645430

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	7.0	U	10	7.0	ug/L			11/24/20 03:35	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 03:35	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 03:35	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 03:35	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 03:35	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 03:35	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 03:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 03:35	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 03:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 03:35	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 03:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 03:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 03:35	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 03:35	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 03:35	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 03:35	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 03:35	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/24/20 03:35	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 03:35	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 03:35	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 03:35	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 03:35	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 03:35	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 03:35	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 03:35	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 03:35	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/24/20 03:35	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 03:35	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 03:35	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 03:35	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 03:35	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 03:35	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 03:35	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 03:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 03:35	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 03:35	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 03:35	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 03:35	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 03:35	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: MB 680-645430/9

Matrix: Water

Analysis Batch: 645430

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 03:35	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 03:35	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 03:35	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 03:35	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 03:35	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 03:35	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 03:35	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 03:35	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 03:35	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 03:35	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 03:35	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 03:35	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 03:35	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 03:35	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 03:35	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 03:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 03:35	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 03:35	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 03:35	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 03:35	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 03:35	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 03:35	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 03:35	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 03:35	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 03:35	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 03:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 03:35	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 03:35	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 03:35	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 03:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 03:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 03:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130		11/24/20 03:35	1
Dibromofluoromethane (Surr)	102		70 - 130		11/24/20 03:35	1
1,2-Dichloroethane-d4 (Surr)	106		60 - 124		11/24/20 03:35	1
Toluene-d8 (Surr)	96		70 - 130		11/24/20 03:35	1

Lab Sample ID: LCS 680-645430/4

Matrix: Water

Analysis Batch: 645430

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	213		ug/L		85	67 - 113
Acrylonitrile	500	467		ug/L		93	70 - 130
Benzene	50.0	52.8		ug/L		106	70 - 130
Bromobenzene	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: 680-191488-1

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

Lab Sample ID: LCS 680-645430/4

Matrix: Water

Analysis Batch: 645430

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	48.7		ug/L		97	70 - 130
Bromodichloromethane	50.0	58.9		ug/L		118	70 - 130
Bromoform	50.0	45.6		ug/L		91	69 - 129
Bromomethane	50.0	42.8		ug/L		86	28 - 192
2-Butanone (MEK)	250	244		ug/L		98	69 - 114
Carbon disulfide	50.0	47.8		ug/L		96	70 - 130
Carbon tetrachloride	50.0	55.4		ug/L		111	70 - 130
Chlorobenzene	50.0	51.7		ug/L		103	70 - 130
Chloroethane	50.0	51.8		ug/L		104	31 - 213
Chloroform	50.0	58.5		ug/L		117	70 - 130
Chloromethane	50.0	48.0		ug/L		96	59 - 127
2-Chlorotoluene	50.0	50.0		ug/L		100	70 - 130
4-Chlorotoluene	50.0	50.4		ug/L		101	70 - 130
cis-1,2-Dichloroethene	50.0	48.1		ug/L		96	70 - 130
cis-1,3-Dichloropropene	50.0	52.0		ug/L		104	70 - 130
Dibromochloromethane	50.0	51.4		ug/L		103	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	44.9		ug/L		90	70 - 130
1,2-Dibromoethane	50.0	52.2		ug/L		104	70 - 130
Dibromomethane	50.0	53.0		ug/L		106	70 - 130
1,2-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 130
1,3-Dichlorobenzene	50.0	53.7		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 130
Dichlorodifluoromethane	50.0	72.7 *		ug/L		145	70 - 130
1,1-Dichloroethane	50.0	52.7		ug/L		105	70 - 130
1,2-Dichloroethane	50.0	59.7		ug/L		119	70 - 130
1,1-Dichloroethene	50.0	46.2		ug/L		92	70 - 130
1,2-Dichloropropane	50.0	50.4		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	54.4		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	52.0		ug/L		104	70 - 130
1,1-Dichloropropene	50.0	53.5		ug/L		107	70 - 130
Ethylbenzene	50.0	52.2		ug/L		104	70 - 130
Hexachlorobutadiene	50.0	52.9		ug/L		106	70 - 130
2-Hexanone	250	224		ug/L		90	70 - 130
Iodomethane	50.0	40.3		ug/L		81	52 - 129
Isopropylbenzene	50.0	53.4		ug/L		107	70 - 130
Methylene Chloride	50.0	53.8		ug/L		108	70 - 130
4-Methyl-2-pentanone (MIBK)	250	246		ug/L		98	68 - 108
Methyl tert-butyl ether	50.0	55.8		ug/L		112	70 - 130
m-Xylene & p-Xylene	50.0	49.0		ug/L		98	70 - 130
Naphthalene	50.0	48.9		ug/L		98	57 - 149
n-Butylbenzene	50.0	53.6		ug/L		107	70 - 130
N-Propylbenzene	50.0	45.3		ug/L		91	70 - 130
o-Xylene	50.0	53.0		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	50.8		ug/L		102	70 - 130
sec-Butylbenzene	50.0	51.2		ug/L		102	70 - 130
Styrene	50.0	55.2		ug/L		110	70 - 130
tert-Butylbenzene	50.0	52.5		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.0		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/L		101	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCS 680-645430/4

Matrix: Water

Analysis Batch: 645430

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethylene	50.0	47.6		ug/L		95	70 - 130
Toluene	50.0	50.9		ug/L		102	70 - 130
trans-1,4-Dichloro-2-butene	50.0	47.5		ug/L		95	67 - 112
trans-1,2-Dichloroethene	50.0	46.2		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	54.7		ug/L		109	70 - 130
1,2,3-Trichlorobenzene	50.0	49.6		ug/L		99	61 - 141
1,2,4-Trichlorobenzene	50.0	45.9		ug/L		92	70 - 130
1,1,1-Trichloroethane	50.0	61.6		ug/L		123	70 - 130
1,1,2-Trichloroethane	50.0	52.6		ug/L		105	70 - 130
Trichloroethene	50.0	50.5		ug/L		101	70 - 130
Trichlorofluoromethane	50.0	57.8		ug/L		116	63 - 142
1,2,3-Trichloropropane	50.0	47.9		ug/L		96	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.2		ug/L		100	63 - 141
1,2,4-Trimethylbenzene	50.0	51.0		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	50.0	51.1		ug/L		102	70 - 130
Vinyl acetate	100	98.8		ug/L		99	67 - 135
Vinyl chloride	50.0	46.7		ug/L		93	66 - 129
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
Dibromofluoromethane (Surr)	110		70 - 130
1,2-Dichloroethane-d4 (Surr)	128	X	60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-645430/5

Matrix: Water

Analysis Batch: 645430

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 - 113	4	30
Acrylonitrile	500	440		ug/L		88	70 - 130	6	30
Benzene	50.0	50.2		ug/L		100	70 - 130	5	30
Bromobenzene	50.0	47.1		ug/L		94	70 - 130	4	30
Bromochloromethane	50.0	43.7		ug/L		87	70 - 130	11	30
Bromodichloromethane	50.0	54.2		ug/L		108	70 - 130	8	30
Bromoform	50.0	42.8		ug/L		86	69 - 129	7	30
Bromomethane	50.0	40.4		ug/L		81	28 - 192	6	30
2-Butanone (MEK)	250	228		ug/L		91	69 - 114	7	30
Carbon disulfide	50.0	44.7		ug/L		89	70 - 130	7	30
Carbon tetrachloride	50.0	51.3		ug/L		103	70 - 130	8	30
Chlorobenzene	50.0	49.5		ug/L		99	70 - 130	4	30
Chloroethane	50.0	49.8		ug/L		100	31 - 213	4	30
Chloroform	50.0	54.9		ug/L		110	70 - 130	6	30
Chloromethane	50.0	44.9		ug/L		90	59 - 127	7	30
2-Chlorotoluene	50.0	47.9		ug/L		96	70 - 130	4	30
4-Chlorotoluene	50.0	48.4		ug/L		97	70 - 130	4	30
cis-1,2-Dichloroethene	50.0	45.0		ug/L		90	70 - 130	7	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCSD 680-645430/5

Matrix: Water

Analysis Batch: 645430

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
cis-1,3-Dichloropropene	50.0	48.4		ug/L		97	70 - 130	7	20
Dibromochloromethane	50.0	47.0		ug/L		94	70 - 130	9	30
1,2-Dibromo-3-Chloropropane	50.0	42.5		ug/L		85	70 - 130	5	30
1,2-Dibromoethane	50.0	49.6		ug/L		99	70 - 130	5	30
Dibromomethane	50.0	51.0		ug/L		102	70 - 130	4	30
1,2-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130	4	30
1,3-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130	4	30
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130	4	30
Dichlorodifluoromethane	50.0	64.0		ug/L		128	70 - 130	13	40
1,1-Dichloroethane	50.0	49.3		ug/L		99	70 - 130	7	30
1,2-Dichloroethane	50.0	54.9		ug/L		110	70 - 130	8	50
1,1-Dichloroethene	50.0	43.6		ug/L		87	70 - 130	6	20
1,2-Dichloropropane	50.0	50.4		ug/L		101	70 - 130	0	20
1,3-Dichloropropane	50.0	52.4		ug/L		105	70 - 130	4	20
2,2-Dichloropropane	50.0	47.8		ug/L		96	70 - 130	9	20
1,1-Dichloropropene	50.0	49.5		ug/L		99	70 - 130	8	20
Ethylbenzene	50.0	49.7		ug/L		99	70 - 130	5	20
Hexachlorobutadiene	50.0	48.2		ug/L		96	70 - 130	9	20
2-Hexanone	250	221		ug/L		88	70 - 130	1	20
Iodomethane	50.0	37.8		ug/L		76	52 - 129	6	30
Isopropylbenzene	50.0	50.1		ug/L		100	70 - 130	7	30
Methylene Chloride	50.0	50.7		ug/L		101	70 - 130	6	30
4-Methyl-2-pentanone (MIBK)	250	239		ug/L		95	68 - 108	3	30
Methyl tert-butyl ether	50.0	51.9		ug/L		104	70 - 130	7	30
m-Xylene & p-Xylene	50.0	45.5		ug/L		91	70 - 130	7	30
Naphthalene	50.0	46.8		ug/L		94	57 - 149	4	30
n-Butylbenzene	50.0	48.2		ug/L		96	70 - 130	11	30
N-Propylbenzene	50.0	43.3		ug/L		87	70 - 130	4	30
o-Xylene	50.0	49.9		ug/L		100	70 - 130	6	30
p-Isopropyltoluene	50.0	48.8		ug/L		98	70 - 130	4	30
sec-Butylbenzene	50.0	49.7		ug/L		99	70 - 130	3	30
Styrene	50.0	53.3		ug/L		107	70 - 130	4	30
tert-Butylbenzene	50.0	51.1		ug/L		102	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	47.5		ug/L		95	70 - 130	5	30
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/L		96	70 - 130	5	30
Tetrachloroethylene	50.0	45.3		ug/L		91	70 - 130	5	30
Toluene	50.0	48.4		ug/L		97	70 - 130	5	30
trans-1,4-Dichloro-2-butene	50.0	43.4		ug/L		87	67 - 112	9	30
trans-1,2-Dichloroethene	50.0	43.7		ug/L		87	70 - 130	6	30
trans-1,3-Dichloropropene	50.0	51.3		ug/L		103	70 - 130	6	30
1,2,3-Trichlorobenzene	50.0	48.9		ug/L		98	61 - 141	1	30
1,2,4-Trichlorobenzene	50.0	43.1		ug/L		86	70 - 130	6	30
1,1,1-Trichloroethane	50.0	56.9		ug/L		114	70 - 130	8	30
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	70 - 130	3	30
Trichloroethene	50.0	47.4		ug/L		95	70 - 130	6	30
Trichlorofluoromethane	50.0	52.9		ug/L		106	63 - 142	9	30
1,2,3-Trichloropropane	50.0	46.0		ug/L		92	70 - 130	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.0		ug/L		90	63 - 141	11	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCSD 680-645430/5

Matrix: Water

Analysis Batch: 645430

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
1,2,4-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 130	2	30
1,3,5-Trimethylbenzene	50.0	49.3		ug/L		99	70 - 130	4	30
Vinyl acetate	100	93.4		ug/L		93	67 - 135	6	30
Vinyl chloride	50.0	42.7		ug/L		85	66 - 129	9	30
Xylenes, Total	100	95.4		ug/L		95	70 - 130	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	113		60 - 124
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: 680-191488-6 MS

Matrix: Water

Analysis Batch: 645430

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	7.0	U	250	173		ug/L		69	67 - 113
Acrylonitrile	10	U	500	392		ug/L		78	70 - 130
Benzene	1.1		50.0	50.5		ug/L		99	70 - 130
Bromobenzene	0.50	U	50.0	47.3		ug/L		95	70 - 130
Bromochloromethane	0.45	U	50.0	42.1		ug/L		84	70 - 130
Bromodichloromethane	0.44	U	50.0	52.3		ug/L		105	70 - 130
Bromoform	0.43	U	50.0	41.3		ug/L		83	69 - 129
Bromomethane	2.5	U	50.0	47.1		ug/L		94	28 - 192
2-Butanone (MEK)	3.4	U	250	208		ug/L		83	69 - 114
Carbon disulfide	1.0	U	50.0	46.6		ug/L		93	70 - 130
Carbon tetrachloride	0.33	U	50.0	53.2		ug/L		106	70 - 130
Chlorobenzene	57		50.0	106		ug/L		98	70 - 130
Chloroethane	6.2		50.0	69.5		ug/L		127	31 - 213
Chloroform	0.50	U	50.0	53.1		ug/L		106	70 - 130
Chloromethane	0.40	U	50.0	45.3		ug/L		91	59 - 127
2-Chlorotoluene	0.27	U	50.0	50.1		ug/L		100	70 - 130
4-Chlorotoluene	0.45	U	50.0	48.9		ug/L		98	70 - 130
cis-1,2-Dichloroethene	0.44	J	50.0	45.1		ug/L		89	70 - 130
cis-1,3-Dichloropropene	0.40	U	50.0	44.1		ug/L		88	70 - 130
Dibromochloromethane	0.32	U	50.0	45.8		ug/L		92	70 - 130
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	37.5		ug/L		75	70 - 130
1,2-Dibromoethane	0.44	U	50.0	45.8		ug/L		92	70 - 130
Dibromomethane	0.35	U	50.0	46.0		ug/L		92	70 - 130
1,2-Dichlorobenzene	0.37	U	50.0	50.2		ug/L		100	70 - 130
1,3-Dichlorobenzene	0.43	U	50.0	50.4		ug/L		101	70 - 130
1,4-Dichlorobenzene	0.46	U	50.0	49.1		ug/L		98	70 - 130
Dichlorodifluoromethane	0.60	U * F1	50.0	66.7	F1	ug/L		133	70 - 130
1,1-Dichloroethane	0.38	U	50.0	49.1		ug/L		98	70 - 130
1,2-Dichloroethane	2.1		50.0	53.8		ug/L		103	70 - 130
1,1-Dichloroethene	0.36	U	50.0	45.4		ug/L		91	70 - 130
1,2-Dichloropropane	0.67	U	50.0	46.5		ug/L		93	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: 680-191488-6 MS

Matrix: Water

Analysis Batch: 645430

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
1,3-Dichloropropane	0.34	U	50.0	47.5		ug/L		95	70 - 130
2,2-Dichloropropane	0.37	U	50.0	42.0		ug/L		84	70 - 130
1,1-Dichloropropene	0.34	U	50.0	51.0		ug/L		102	70 - 130
Ethylbenzene	0.33	U	50.0	50.5		ug/L		101	70 - 130
Hexachlorobutadiene	2.5	U	50.0	43.6		ug/L		87	70 - 130
2-Hexanone	2.0	U	250	191		ug/L		76	70 - 130
Iodomethane	5.0	U	50.0	28.2		ug/L		56	52 - 129
Isopropylbenzene	0.35	U	50.0	51.6		ug/L		103	70 - 130
Methylene Chloride	2.5	U	50.0	48.5		ug/L		97	70 - 130
4-Methyl-2-pentanone (MIBK)	2.1	U	250	214		ug/L		86	68 - 108
Methyl tert-butyl ether	0.30	U	50.0	47.9		ug/L		96	70 - 130
m-Xylene & p-Xylene	0.35	U	50.0	47.7		ug/L		95	70 - 130
Naphthalene	2.5	U F2	50.0	35.3		ug/L		71	57 - 149
n-Butylbenzene	0.47	U	50.0	48.0		ug/L		96	70 - 130
N-Propylbenzene	0.38	U	50.0	45.6		ug/L		91	70 - 130
o-Xylene	0.23	U	50.0	50.6		ug/L		101	70 - 130
p-Isopropyltoluene	0.48	U	50.0	48.0		ug/L		96	70 - 130
sec-Butylbenzene	0.42	U	50.0	50.9		ug/L		102	70 - 130
Styrene	0.27	U	50.0	51.4		ug/L		103	70 - 130
tert-Butylbenzene	0.45	U	50.0	52.3		ug/L		105	70 - 130
1,1,1,2-Tetrachloroethane	0.37	U	50.0	48.5		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	0.62	U	50.0	46.5		ug/L		93	70 - 130
Tetrachloroethylene	0.74	U	50.0	44.7		ug/L		89	70 - 130
Toluene	2.4		50.0	49.0		ug/L		93	70 - 130
trans-1,4-Dichloro-2-butene	0.51	U	50.0	34.8		ug/L		70	67 - 112
trans-1,2-Dichloroethene	0.50	J	50.0	45.8		ug/L		91	70 - 130
trans-1,3-Dichloropropene	0.42	U	50.0	46.7		ug/L		93	70 - 130
1,2,3-Trichlorobenzene	2.5	U	50.0	35.0		ug/L		70	61 - 141
1,2,4-Trichlorobenzene	2.5	U	50.0	36.0		ug/L		72	70 - 130
1,1,1-Trichloroethane	0.37	U	50.0	57.9		ug/L		116	70 - 130
1,1,2-Trichloroethane	0.33	U	50.0	45.7		ug/L		91	70 - 130
Trichloroethene	0.48	U	50.0	47.9		ug/L		96	70 - 130
Trichlorofluoromethane	0.42	U	50.0	56.5		ug/L		113	63 - 142
1,2,3-Trichloropropane	0.39	U	50.0	42.7		ug/L		85	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	47.1		ug/L		94	63 - 141
1,2,4-Trimethylbenzene	0.47	U	50.0	48.0		ug/L		96	70 - 130
1,3,5-Trimethylbenzene	0.31	U	50.0	49.6		ug/L		99	70 - 130
Vinyl acetate	0.81	U	100	93.0		ug/L		93	67 - 135
Vinyl chloride	0.50	U	50.0	44.1		ug/L		88	66 - 129
Xylenes, Total	0.23	U	100	98.3		ug/L		98	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	101		70 - 130						
Dibromofluoromethane (Surr)	100		70 - 130						
1,2-Dichloroethane-d4 (Surr)	109		60 - 124						
Toluene-d8 (Surr)	94		70 - 130						

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: 680-191488-6 MSD

Matrix: Water

Analysis Batch: 645430

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	7.0	U	250	177		ug/L		71	67 - 113	2	30
Acrylonitrile	10	U	500	383		ug/L		77	70 - 130	2	30
Benzene	1.1		50.0	50.2		ug/L		98	70 - 130	1	30
Bromobenzene	0.50	U	50.0	47.1		ug/L		94	70 - 130	0	30
Bromochloromethane	0.45	U	50.0	41.8		ug/L		84	70 - 130	1	30
Bromodichloromethane	0.44	U	50.0	46.3		ug/L		93	70 - 130	12	30
Bromoform	0.43	U	50.0	41.7		ug/L		83	69 - 129	1	30
Bromomethane	2.5	U	50.0	44.7		ug/L		89	28 - 192	5	30
2-Butanone (MEK)	3.4	U	250	210		ug/L		84	69 - 114	1	30
Carbon disulfide	1.0	U	50.0	45.5		ug/L		91	70 - 130	2	30
Carbon tetrachloride	0.33	U	50.0	51.2		ug/L		102	70 - 130	4	30
Chlorobenzene	57		50.0	106		ug/L		98	70 - 130	0	30
Chloroethane	6.2		50.0	53.7		ug/L		95	31 - 213	26	30
Chloroform	0.50	U	50.0	53.6		ug/L		107	70 - 130	1	30
Chloromethane	0.40	U	50.0	44.0		ug/L		88	59 - 127	3	30
2-Chlorotoluene	0.27	U	50.0	49.9		ug/L		100	70 - 130	0	30
4-Chlorotoluene	0.45	U	50.0	48.9		ug/L		98	70 - 130	0	30
cis-1,2-Dichloroethene	0.44	J	50.0	44.4		ug/L		88	70 - 130	2	30
cis-1,3-Dichloropropene	0.40	U	50.0	42.2		ug/L		84	70 - 130	5	20
Dibromochloromethane	0.32	U	50.0	44.8		ug/L		90	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	42.3		ug/L		85	70 - 130	12	30
1,2-Dibromoethane	0.44	U	50.0	45.2		ug/L		90	70 - 130	1	30
Dibromomethane	0.35	U	50.0	43.8		ug/L		88	70 - 130	5	30
1,2-Dichlorobenzene	0.37	U	50.0	50.8		ug/L		102	70 - 130	1	30
1,3-Dichlorobenzene	0.43	U	50.0	52.2		ug/L		104	70 - 130	4	30
1,4-Dichlorobenzene	0.46	U	50.0	51.0		ug/L		102	70 - 130	4	30
Dichlorodifluoromethane	0.60	U * F1	50.0	63.9		ug/L		128	70 - 130	4	40
1,1-Dichloroethane	0.38	U	50.0	48.1		ug/L		96	70 - 130	2	30
1,2-Dichloroethane	2.1		50.0	49.7		ug/L		95	70 - 130	8	50
1,1,1-Dichloroethene	0.36	U	50.0	44.3		ug/L		89	70 - 130	3	20
1,2-Dichloropropane	0.67	U	50.0	44.2		ug/L		88	70 - 130	5	20
1,3-Dichloropropane	0.34	U	50.0	47.7		ug/L		95	70 - 130	0	20
2,2-Dichloropropane	0.37	U	50.0	40.8		ug/L		82	70 - 130	3	20
1,1-Dichloropropene	0.34	U	50.0	49.8		ug/L		100	70 - 130	3	20
Ethylbenzene	0.33	U	50.0	50.9		ug/L		102	70 - 130	1	20
Hexachlorobutadiene	2.5	U	50.0	47.0		ug/L		94	70 - 130	8	20
2-Hexanone	2.0	U	250	199		ug/L		80	70 - 130	4	20
Iodomethane	5.0	U	50.0	37.4		ug/L		75	52 - 129	28	30
Isopropylbenzene	0.35	U	50.0	52.8		ug/L		106	70 - 130	2	30
Methylene Chloride	2.5	U	50.0	47.6		ug/L		95	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	2.1	U	250	207		ug/L		83	68 - 108	3	30
Methyl tert-butyl ether	0.30	U	50.0	46.5		ug/L		93	70 - 130	3	30
m-Xylene & p-Xylene	0.35	U	50.0	47.4		ug/L		95	70 - 130	1	30
Naphthalene	2.5	U F2	50.0	48.0	F2	ug/L		96	57 - 149	31	30
n-Butylbenzene	0.47	U	50.0	51.6		ug/L		103	70 - 130	7	30
N-Propylbenzene	0.38	U	50.0	45.2		ug/L		90	70 - 130	1	30
o-Xylene	0.23	U	50.0	51.8		ug/L		104	70 - 130	2	30
p-Isopropyltoluene	0.48	U	50.0	50.3		ug/L		101	70 - 130	5	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: 680-191488-6 MSD

Matrix: Water

Analysis Batch: 645430

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
sec-Butylbenzene	0.42	U	50.0	51.0		ug/L		102	70 - 130	0	30
Styrene	0.27	U	50.0	52.6		ug/L		105	70 - 130	2	30
tert-Butylbenzene	0.45	U	50.0	52.9		ug/L		106	70 - 130	1	30
1,1,1,2-Tetrachloroethane	0.37	U	50.0	47.8		ug/L		96	70 - 130	1	30
1,1,2,2-Tetrachloroethane	0.62	U	50.0	48.0		ug/L		96	70 - 130	3	30
Tetrachloroethylene	0.74	U	50.0	43.8		ug/L		88	70 - 130	2	30
Toluene	2.4		50.0	49.8		ug/L		95	70 - 130	2	30
trans-1,4-Dichloro-2-butene	0.51	U	50.0	40.8		ug/L		82	67 - 112	16	30
trans-1,2-Dichloroethene	0.50	J	50.0	45.6		ug/L		90	70 - 130	0	30
trans-1,3-Dichloropropene	0.42	U	50.0	45.9		ug/L		92	70 - 130	2	30
1,2,3-Trichlorobenzene	2.5	U	50.0	44.4		ug/L		89	61 - 141	23	30
1,2,4-Trichlorobenzene	2.5	U	50.0	41.8		ug/L		84	70 - 130	15	30
1,1,1-Trichloroethane	0.37	U	50.0	56.1		ug/L		112	70 - 130	3	30
1,1,2-Trichloroethane	0.33	U	50.0	46.1		ug/L		92	70 - 130	1	30
Trichloroethene	0.48	U	50.0	47.2		ug/L		94	70 - 130	1	30
Trichlorofluoromethane	0.42	U	50.0	55.8		ug/L		112	63 - 142	1	30
1,2,3-Trichloropropane	0.39	U	50.0	44.1		ug/L		88	70 - 130	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	45.7		ug/L		91	63 - 141	3	30
1,2,4-Trimethylbenzene	0.47	U	50.0	49.7		ug/L		99	70 - 130	3	30
1,3,5-Trimethylbenzene	0.31	U	50.0	50.4		ug/L		101	70 - 130	2	30
Vinyl acetate	0.81	U	100	92.9		ug/L		93	67 - 135	0	30
Vinyl chloride	0.50	U	50.0	43.4		ug/L		87	66 - 129	2	30
Xylenes, Total	0.23	U	100	99.2		ug/L		99	70 - 130	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		60 - 124
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: MB 680-645528/8

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/24/20 15:49	1
Acrylonitrile	10	U	20	10	ug/L			11/24/20 15:49	1
Benzene	0.43	U	1.0	0.43	ug/L			11/24/20 15:49	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/24/20 15:49	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/24/20 15:49	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/24/20 15:49	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/24/20 15:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/24/20 15:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/24/20 15:49	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/24/20 15:49	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/24/20 15:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: MB 680-645528/8

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloroform	0.50	U	1.0	0.50	ug/L			11/24/20 15:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/24/20 15:49	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/24/20 15:49	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/24/20 15:49	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/24/20 15:49	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/24/20 15:49	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/24/20 15:49	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/24/20 15:49	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/24/20 15:49	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/24/20 15:49	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/24/20 15:49	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/24/20 15:49	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/24/20 15:49	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/24/20 15:49	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/24/20 15:49	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/24/20 15:49	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/24/20 15:49	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/24/20 15:49	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/24/20 15:49	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/24/20 15:49	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/24/20 15:49	1
Iodomethane	5.0	U	10	5.0	ug/L			11/24/20 15:49	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/24/20 15:49	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/24/20 15:49	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/24/20 15:49	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/24/20 15:49	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 15:49	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/24/20 15:49	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/24/20 15:49	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/24/20 15:49	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/24/20 15:49	1
Styrene	0.27	U	1.0	0.27	ug/L			11/24/20 15:49	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/24/20 15:49	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/24/20 15:49	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/24/20 15:49	1
Toluene	0.48	U	1.0	0.48	ug/L			11/24/20 15:49	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/24/20 15:49	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/24/20 15:49	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/24/20 15:49	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/24/20 15:49	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/24/20 15:49	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: MB 680-645528/8

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/24/20 15:49	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/24/20 15:49	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/24/20 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/24/20 15:49	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/24/20 15:49	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/24/20 15:49	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/24/20 15:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/24/20 15:49	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/24/20 15:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		11/24/20 15:49	1
Dibromofluoromethane (Surr)	109		70 - 130		11/24/20 15:49	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		11/24/20 15:49	1
Toluene-d8 (Surr)	99		70 - 130		11/24/20 15:49	1

Lab Sample ID: LCS 680-645528/3

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	197		ug/L		79	67 - 113
Acrylonitrile	500	442		ug/L		88	70 - 130
Benzene	50.0	50.5		ug/L		101	70 - 130
Bromobenzene	50.0	49.7		ug/L		99	70 - 130
Bromochloromethane	50.0	45.3		ug/L		91	70 - 130
Bromodichloromethane	50.0	54.3		ug/L		109	70 - 130
Bromoform	50.0	43.6		ug/L		87	69 - 129
Bromomethane	50.0	34.7		ug/L		69	28 - 192
2-Butanone (MEK)	250	228		ug/L		91	69 - 114
Carbon disulfide	50.0	47.8		ug/L		96	70 - 130
Carbon tetrachloride	50.0	51.2		ug/L		102	70 - 130
Chlorobenzene	50.0	51.1		ug/L		102	70 - 130
Chloroethane	50.0	51.8		ug/L		104	31 - 213
Chloroform	50.0	54.4		ug/L		109	70 - 130
Chloromethane	50.0	46.6		ug/L		93	59 - 127
2-Chlorotoluene	50.0	49.9		ug/L		100	70 - 130
4-Chlorotoluene	50.0	50.8		ug/L		102	70 - 130
cis-1,2-Dichloroethene	50.0	45.6		ug/L		91	70 - 130
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	70 - 130
Dibromochloromethane	50.0	47.4		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	42.4		ug/L		85	70 - 130
1,2-Dibromoethane	50.0	48.8		ug/L		98	70 - 130
Dibromomethane	50.0	50.0		ug/L		100	70 - 130
1,2-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130
1,3-Dichlorobenzene	50.0	52.4		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	50.9		ug/L		102	70 - 130
Dichlorodifluoromethane	50.0	65.3	*	ug/L		131	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCS 680-645528/3

Matrix: Water

Analysis Batch: 645528

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	49.9		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	53.9		ug/L		108	70 - 130
1,1-Dichloroethene	50.0	43.3		ug/L		87	70 - 130
1,2-Dichloropropane	50.0	48.6		ug/L		97	70 - 130
1,3-Dichloropropane	50.0	51.3		ug/L		103	70 - 130
2,2-Dichloropropane	50.0	57.6		ug/L		115	70 - 130
1,1-Dichloropropene	50.0	51.3		ug/L		103	70 - 130
Ethylbenzene	50.0	50.5		ug/L		101	70 - 130
Hexachlorobutadiene	50.0	51.0		ug/L		102	70 - 130
2-Hexanone	250	215		ug/L		86	70 - 130
Iodomethane	50.0	43.6		ug/L		87	52 - 129
Isopropylbenzene	50.0	52.1		ug/L		104	70 - 130
Methylene Chloride	50.0	51.8		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	250	229		ug/L		92	68 - 108
Methyl tert-butyl ether	50.0	51.4		ug/L		103	70 - 130
m-Xylene & p-Xylene	50.0	47.7		ug/L		95	70 - 130
Naphthalene	50.0	47.0		ug/L		94	57 - 149
n-Butylbenzene	50.0	53.3		ug/L		107	70 - 130
N-Propylbenzene	50.0	45.8		ug/L		92	70 - 130
o-Xylene	50.0	52.0		ug/L		104	70 - 130
p-Isopropyltoluene	50.0	49.8		ug/L		100	70 - 130
sec-Butylbenzene	50.0	51.4		ug/L		103	70 - 130
Styrene	50.0	54.1		ug/L		108	70 - 130
tert-Butylbenzene	50.0	52.8		ug/L		106	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.4		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.2		ug/L		100	70 - 130
Tetrachloroethylene	50.0	45.6		ug/L		91	70 - 130
Toluene	50.0	47.7		ug/L		95	70 - 130
trans-1,4-Dichloro-2-butene	50.0	43.3		ug/L		87	67 - 112
trans-1,2-Dichloroethene	50.0	44.6		ug/L		89	70 - 130
trans-1,3-Dichloropropene	50.0	52.7		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	50.0	46.3		ug/L		93	61 - 141
1,2,4-Trichlorobenzene	50.0	43.5		ug/L		87	70 - 130
1,1,1-Trichloroethane	50.0	57.3		ug/L		115	70 - 130
1,1,2-Trichloroethane	50.0	49.3		ug/L		99	70 - 130
Trichloroethene	50.0	47.1		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	54.9		ug/L		110	63 - 142
1,2,3-Trichloropropane	50.0	44.7		ug/L		89	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.1		ug/L		94	63 - 141
1,2,4-Trimethylbenzene	50.0	50.7		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	50.0	50.4		ug/L		101	70 - 130
Vinyl acetate	100	111		ug/L		111	67 - 135
Vinyl chloride	50.0	44.5		ug/L		89	66 - 129
Xylenes, Total	100	99.7		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCS 680-645528/3

Matrix: Water

Analysis Batch: 645528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		60 - 124
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 680-645528/4

Matrix: Water

Analysis Batch: 645528

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	199		ug/L		80	67 - 113	1	30
Acrylonitrile	500	451		ug/L		90	70 - 130	2	30
Benzene	50.0	50.8		ug/L		102	70 - 130	1	30
Bromobenzene	50.0	51.4		ug/L		103	70 - 130	3	30
Bromochloromethane	50.0	45.3		ug/L		91	70 - 130	0	30
Bromodichloromethane	50.0	53.3		ug/L		107	70 - 130	2	30
Bromoform	50.0	45.3		ug/L		91	69 - 129	4	30
Bromomethane	50.0	36.2		ug/L		72	28 - 192	4	30
2-Butanone (MEK)	250	234		ug/L		94	69 - 114	2	30
Carbon disulfide	50.0	47.9		ug/L		96	70 - 130	0	30
Carbon tetrachloride	50.0	52.4		ug/L		105	70 - 130	2	30
Chlorobenzene	50.0	52.3		ug/L		105	70 - 130	2	30
Chloroethane	50.0	54.3		ug/L		109	31 - 213	5	30
Chloroform	50.0	54.4		ug/L		109	70 - 130	0	30
Chloromethane	50.0	46.5		ug/L		93	59 - 127	0	30
2-Chlorotoluene	50.0	52.6		ug/L		105	70 - 130	5	30
4-Chlorotoluene	50.0	51.9		ug/L		104	70 - 130	2	30
cis-1,2-Dichloroethene	50.0	46.9		ug/L		94	70 - 130	3	30
cis-1,3-Dichloropropene	50.0	46.8		ug/L		94	70 - 130	4	20
Dibromochloromethane	50.0	45.7		ug/L		91	70 - 130	4	30
1,2-Dibromo-3-Chloropropane	50.0	45.3		ug/L		91	70 - 130	7	30
1,2-Dibromoethane	50.0	47.4		ug/L		95	70 - 130	3	30
Dibromomethane	50.0	49.0		ug/L		98	70 - 130	2	30
1,2-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130	2	30
1,3-Dichlorobenzene	50.0	52.8		ug/L		106	70 - 130	1	30
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130	1	30
Dichlorodifluoromethane	50.0	64.9		ug/L		130	70 - 130	1	40
1,1-Dichloroethane	50.0	49.9		ug/L		100	70 - 130	0	30
1,2-Dichloroethane	50.0	54.6		ug/L		109	70 - 130	1	50
1,1-Dichloroethene	50.0	44.5		ug/L		89	70 - 130	3	20
1,2-Dichloropropane	50.0	49.1		ug/L		98	70 - 130	1	20
1,3-Dichloropropane	50.0	50.8		ug/L		102	70 - 130	1	20
2,2-Dichloropropane	50.0	56.0		ug/L		112	70 - 130	3	20
1,1-Dichloropropene	50.0	51.5		ug/L		103	70 - 130	0	20
Ethylbenzene	50.0	50.8		ug/L		102	70 - 130	1	20
Hexachlorobutadiene	50.0	50.7		ug/L		101	70 - 130	1	20
2-Hexanone	250	203		ug/L		81	70 - 130	6	20
Iodomethane	50.0	43.4		ug/L		87	52 - 129	0	30
Isopropylbenzene	50.0	53.8		ug/L		108	70 - 130	3	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCSD 680-645528/4

Matrix: Water

Analysis Batch: 645528

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
Methylene Chloride	50.0	51.5		ug/L		103	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	250	217		ug/L		87	68 - 108	6	30
Methyl tert-butyl ether	50.0	52.5		ug/L		105	70 - 130	2	30
m-Xylene & p-Xylene	50.0	48.6		ug/L		97	70 - 130	2	30
Naphthalene	50.0	49.1		ug/L		98	57 - 149	4	30
n-Butylbenzene	50.0	54.2		ug/L		108	70 - 130	2	30
N-Propylbenzene	50.0	47.5		ug/L		95	70 - 130	4	30
o-Xylene	50.0	52.8		ug/L		106	70 - 130	2	30
p-Isopropyltoluene	50.0	51.4		ug/L		103	70 - 130	3	30
sec-Butylbenzene	50.0	54.2		ug/L		108	70 - 130	5	30
Styrene	50.0	56.8		ug/L		114	70 - 130	5	30
tert-Butylbenzene	50.0	55.5		ug/L		111	70 - 130	5	30
1,1,1,2-Tetrachloroethane	50.0	48.1		ug/L		96	70 - 130	1	30
1,1,2,2-Tetrachloroethane	50.0	51.6		ug/L		103	70 - 130	3	30
Tetrachloroethylene	50.0	45.8		ug/L		92	70 - 130	1	30
Toluene	50.0	48.1		ug/L		96	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	42.3		ug/L		85	67 - 112	2	30
trans-1,2-Dichloroethene	50.0	45.2		ug/L		90	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	70 - 130	0	30
1,2,3-Trichlorobenzene	50.0	48.0		ug/L		96	61 - 141	4	30
1,2,4-Trichlorobenzene	50.0	45.1		ug/L		90	70 - 130	4	30
1,1,1-Trichloroethane	50.0	56.5		ug/L		113	70 - 130	1	30
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	70 - 130	1	30
Trichloroethene	50.0	48.6		ug/L		97	70 - 130	3	30
Trichlorofluoromethane	50.0	54.3		ug/L		109	63 - 142	1	30
1,2,3-Trichloropropane	50.0	48.7		ug/L		97	70 - 130	9	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.2		ug/L		96	63 - 141	2	30
1,2,4-Trimethylbenzene	50.0	53.7		ug/L		107	70 - 130	6	30
1,3,5-Trimethylbenzene	50.0	52.7		ug/L		105	70 - 130	4	30
Vinyl acetate	100	112		ug/L		112	67 - 135	1	30
Vinyl chloride	50.0	45.2		ug/L		90	66 - 129	1	30
Xylenes, Total	100	101		ug/L		101	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		60 - 124
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: MB 680-645722/8

Matrix: Water

Analysis Batch: 645722

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13.1		10	7.0	ug/L			11/25/20 13:23	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 13:23	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 13:23	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/20 13:23	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: MB 680-645722/8

Matrix: Water

Analysis Batch: 645722

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 13:23	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 13:23	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 13:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 13:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 13:23	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 13:23	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 13:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 13:23	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 13:23	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/25/20 13:23	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/20 13:23	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 13:23	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 13:23	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 13:23	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 13:23	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 13:23	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 13:23	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/20 13:23	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 13:23	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/20 13:23	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 13:23	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 13:23	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 13:23	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 13:23	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 13:23	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/20 13:23	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 13:23	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 13:23	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 13:23	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/20 13:23	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 13:23	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 13:23	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/20 13:23	1
Naphthalene	5.58		5.0	2.5	ug/L			11/25/20 13:23	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/20 13:23	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/20 13:23	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/20 13:23	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/20 13:23	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/20 13:23	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 13:23	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/20 13:23	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 13:23	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: MB 680-645722/8

Matrix: Water

Analysis Batch: 645722

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 13:23	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 13:23	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 13:23	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 13:23	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 13:23	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 13:23	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 13:23	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 13:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/20 13:23	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/20 13:23	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/20 13:23	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 13:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 13:23	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		11/25/20 13:23	1
Dibromofluoromethane (Surr)	106		70 - 130		11/25/20 13:23	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		11/25/20 13:23	1
Toluene-d8 (Surr)	102		70 - 130		11/25/20 13:23	1

Lab Sample ID: LCS 680-645722/3

Matrix: Water

Analysis Batch: 645722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	217		ug/L		87	67 - 113
Acrylonitrile	500	455		ug/L		91	70 - 130
Benzene	50.0	49.5		ug/L		99	70 - 130
Bromobenzene	50.0	49.7		ug/L		99	70 - 130
Bromochloromethane	50.0	50.5		ug/L		101	70 - 130
Bromodichloromethane	50.0	51.1		ug/L		102	70 - 130
Bromoform	50.0	42.8		ug/L		86	69 - 129
Bromomethane	50.0	41.2		ug/L		82	28 - 192
2-Butanone (MEK)	250	242		ug/L		97	69 - 114
Carbon disulfide	50.0	49.9		ug/L		100	70 - 130
Carbon tetrachloride	50.0	47.0		ug/L		94	70 - 130
Chlorobenzene	50.0	50.5		ug/L		101	70 - 130
Chloroethane	50.0	49.9		ug/L		100	31 - 213
Chloroform	50.0	53.4		ug/L		107	70 - 130
Chloromethane	50.0	50.3		ug/L		101	59 - 127
2-Chlorotoluene	50.0	50.2		ug/L		100	70 - 130
4-Chlorotoluene	50.0	50.0		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	48.1		ug/L		96	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCS 680-645722/3

Matrix: Water

Analysis Batch: 645722

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	50.0	46.4		ug/L		93	70 - 130
Dibromochloromethane	50.0	47.7		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	43.5		ug/L		87	70 - 130
1,2-Dibromoethane	50.0	48.1		ug/L		96	70 - 130
Dibromomethane	50.0	48.1		ug/L		96	70 - 130
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130
1,3-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 130
Dichlorodifluoromethane	50.0	70.1	*	ug/L		140	70 - 130
1,1-Dichloroethane	50.0	48.8		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130
1,1-Dichloroethene	50.0	47.2		ug/L		94	70 - 130
1,2-Dichloropropane	50.0	49.2		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	52.4		ug/L		105	70 - 130
1,1-Dichloropropene	50.0	47.3		ug/L		95	70 - 130
Ethylbenzene	50.0	50.5		ug/L		101	70 - 130
Hexachlorobutadiene	50.0	47.0		ug/L		94	70 - 130
2-Hexanone	250	218		ug/L		87	70 - 130
Iodomethane	50.0	30.8		ug/L		62	52 - 129
Isopropylbenzene	50.0	52.2		ug/L		104	70 - 130
Methylene Chloride	50.0	53.4		ug/L		107	70 - 130
4-Methyl-2-pentanone (MIBK)	250	223		ug/L		89	68 - 108
Methyl tert-butyl ether	50.0	51.8		ug/L		104	70 - 130
m-Xylene & p-Xylene	50.0	47.7		ug/L		95	70 - 130
Naphthalene	50.0	46.4		ug/L		93	57 - 149
n-Butylbenzene	50.0	49.7		ug/L		99	70 - 130
N-Propylbenzene	50.0	45.0		ug/L		90	70 - 130
o-Xylene	50.0	52.3		ug/L		105	70 - 130
p-Isopropyltoluene	50.0	48.3		ug/L		97	70 - 130
sec-Butylbenzene	50.0	50.4		ug/L		101	70 - 130
Styrene	50.0	53.5		ug/L		107	70 - 130
tert-Butylbenzene	50.0	52.2		ug/L		104	70 - 130
1,1,1,2-Tetrachloroethane	50.0	46.8		ug/L		94	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.0		ug/L		100	70 - 130
Tetrachloroethylene	50.0	45.7		ug/L		91	70 - 130
Toluene	50.0	48.5		ug/L		97	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.7		ug/L		93	67 - 112
trans-1,2-Dichloroethene	50.0	48.0		ug/L		96	70 - 130
trans-1,3-Dichloropropene	50.0	47.3		ug/L		95	70 - 130
1,2,3-Trichlorobenzene	50.0	46.4		ug/L		93	61 - 141
1,2,4-Trichlorobenzene	50.0	42.9		ug/L		86	70 - 130
1,1,1-Trichloroethane	50.0	52.3		ug/L		105	70 - 130
1,1,2-Trichloroethane	50.0	48.6		ug/L		97	70 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	55.7		ug/L		111	63 - 142
1,2,3-Trichloropropane	50.0	47.3		ug/L		95	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.5		ug/L		93	63 - 141

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCS 680-645722/3

Matrix: Water

Analysis Batch: 645722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	50.0	51.1		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	50.0	51.3		ug/L		103	70 - 130
Vinyl acetate	100	89.4		ug/L		89	67 - 135
Vinyl chloride	50.0	50.3		ug/L		101	66 - 129
Xylenes, Total	100	100		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		60 - 124
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 680-645722/4

Matrix: Water

Analysis Batch: 645722

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	253		ug/L		101	67 - 113	15	30
Acrylonitrile	500	530		ug/L		106	70 - 130	15	30
Benzene	50.0	55.1		ug/L		110	70 - 130	11	30
Bromobenzene	50.0	52.8		ug/L		106	70 - 130	6	30
Bromochloromethane	50.0	47.4		ug/L		95	70 - 130	6	30
Bromodichloromethane	50.0	57.6		ug/L		115	70 - 130	12	30
Bromoform	50.0	47.8		ug/L		96	69 - 129	11	30
Bromomethane	50.0	47.4		ug/L		95	28 - 192	14	30
2-Butanone (MEK)	250	276		ug/L		110	69 - 114	13	30
Carbon disulfide	50.0	54.9		ug/L		110	70 - 130	10	30
Carbon tetrachloride	50.0	53.2		ug/L		106	70 - 130	12	30
Chlorobenzene	50.0	54.3		ug/L		109	70 - 130	7	30
Chloroethane	50.0	58.0		ug/L		116	31 - 213	15	30
Chloroform	50.0	56.4		ug/L		113	70 - 130	5	30
Chloromethane	50.0	57.0		ug/L		114	59 - 127	12	30
2-Chlorotoluene	50.0	53.6		ug/L		107	70 - 130	7	30
4-Chlorotoluene	50.0	54.4		ug/L		109	70 - 130	8	30
cis-1,2-Dichloroethene	50.0	53.4		ug/L		107	70 - 130	11	30
cis-1,3-Dichloropropene	50.0	53.0		ug/L		106	70 - 130	13	20
Dibromochloromethane	50.0	56.1		ug/L		112	70 - 130	16	30
1,2-Dibromo-3-Chloropropane	50.0	49.0		ug/L		98	70 - 130	12	30
1,2-Dibromoethane	50.0	55.6		ug/L		111	70 - 130	14	30
Dibromomethane	50.0	53.6		ug/L		107	70 - 130	11	30
1,2-Dichlorobenzene	50.0	56.0		ug/L		112	70 - 130	11	30
1,3-Dichlorobenzene	50.0	56.2		ug/L		112	70 - 130	10	30
1,4-Dichlorobenzene	50.0	55.2		ug/L		110	70 - 130	11	30
Dichlorodifluoromethane	50.0	80.5	*	ug/L		161	70 - 130	14	40
1,1-Dichloroethane	50.0	55.0		ug/L		110	70 - 130	12	30
1,2-Dichloroethane	50.0	53.4		ug/L		107	70 - 130	11	50
1,1-Dichloroethene	50.0	53.1		ug/L		106	70 - 130	12	20
1,2-Dichloropropane	50.0	54.8		ug/L		110	70 - 130	11	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCSD 680-645722/4

Matrix: Water

Analysis Batch: 645722

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
1,3-Dichloropropane	50.0	58.6		ug/L		117	70 - 130	17	20
2,2-Dichloropropane	50.0	59.5		ug/L		119	70 - 130	13	20
1,1-Dichloropropene	50.0	52.6		ug/L		105	70 - 130	10	20
Ethylbenzene	50.0	54.6		ug/L		109	70 - 130	8	20
Hexachlorobutadiene	50.0	53.1		ug/L		106	70 - 130	12	20
2-Hexanone	250	270	*1	ug/L		108	70 - 130	21	20
Iodomethane	50.0	39.4		ug/L		79	52 - 129	24	30
Isopropylbenzene	50.0	56.3		ug/L		113	70 - 130	8	30
Methylene Chloride	50.0	59.5		ug/L		119	70 - 130	11	30
4-Methyl-2-pentanone (MIBK)	250	262		ug/L		105	68 - 108	16	30
Methyl tert-butyl ether	50.0	59.9		ug/L		120	70 - 130	14	30
m-Xylene & p-Xylene	50.0	51.1		ug/L		102	70 - 130	7	30
Naphthalene	50.0	52.1		ug/L		104	57 - 149	12	30
n-Butylbenzene	50.0	55.6		ug/L		111	70 - 130	11	30
N-Propylbenzene	50.0	48.6		ug/L		97	70 - 130	8	30
o-Xylene	50.0	56.1		ug/L		112	70 - 130	7	30
p-Isopropyltoluene	50.0	52.7		ug/L		105	70 - 130	9	30
sec-Butylbenzene	50.0	55.3		ug/L		111	70 - 130	9	30
Styrene	50.0	57.3		ug/L		115	70 - 130	7	30
tert-Butylbenzene	50.0	56.4		ug/L		113	70 - 130	8	30
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130	10	30
1,1,2,2-Tetrachloroethane	50.0	56.1		ug/L		112	70 - 130	11	30
Tetrachloroethylene	50.0	51.5		ug/L		103	70 - 130	12	30
Toluene	50.0	54.2		ug/L		108	70 - 130	11	30
trans-1,4-Dichloro-2-butene	50.0	51.2		ug/L		102	67 - 112	9	30
trans-1,2-Dichloroethene	50.0	54.0		ug/L		108	70 - 130	12	30
trans-1,3-Dichloropropene	50.0	54.1		ug/L		108	70 - 130	13	30
1,2,3-Trichlorobenzene	50.0	51.7		ug/L		103	61 - 141	11	30
1,2,4-Trichlorobenzene	50.0	47.5		ug/L		95	70 - 130	10	30
1,1,1-Trichloroethane	50.0	57.7		ug/L		115	70 - 130	10	30
1,1,2-Trichloroethane	50.0	58.1		ug/L		116	70 - 130	18	30
Trichloroethene	50.0	53.9		ug/L		108	70 - 130	13	30
Trichlorofluoromethane	50.0	61.6		ug/L		123	63 - 142	10	30
1,2,3-Trichloropropane	50.0	51.3		ug/L		103	70 - 130	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.4		ug/L		109	63 - 141	16	30
1,2,4-Trimethylbenzene	50.0	55.0		ug/L		110	70 - 130	7	30
1,3,5-Trimethylbenzene	50.0	54.8		ug/L		110	70 - 130	7	30
Vinyl acetate	100	106		ug/L		106	67 - 135	17	30
Vinyl chloride	50.0	55.6		ug/L		111	66 - 129	10	30
Xylenes, Total	100	107		ug/L		107	70 - 130	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
Dibromofluoromethane (Surr)	110		70 - 130
1,2-Dichloroethane-d4 (Surr)	115		60 - 124
Toluene-d8 (Surr)	109		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191488-1

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-645273/8

Matrix: Water

Analysis Batch: 645273

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.55	U	1.1	0.55	ug/L			11/23/20 11:26	1
Ethene	0.50	U	1.0	0.50	ug/L			11/23/20 11:26	1
Methane	0.301	J	0.58	0.29	ug/L			11/23/20 11:26	1
Methane (TCD)	39	U	390	39	ug/L			11/23/20 11:26	1

Lab Sample ID: LCS 680-645273/3

Matrix: Water

Analysis Batch: 645273

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	1850		ug/L		96	75 - 125

Lab Sample ID: LCS 680-645273/6

Matrix: Water

Analysis Batch: 645273

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	282		ug/L		98	75 - 125
Ethene	269	255		ug/L		95	75 - 125
Methane	154	154		ug/L		100	75 - 125

Lab Sample ID: LCSD 680-645273/4

Matrix: Water

Analysis Batch: 645273

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	1810		ug/L		94	75 - 125	2	30

Lab Sample ID: LCSD 680-645273/7

Matrix: Water

Analysis Batch: 645273

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	288	284		ug/L		98	75 - 125	1	30
Ethene	269	255		ug/L		95	75 - 125	0	30
Methane	154	156		ug/L		101	75 - 125	1	30

Lab Sample ID: MB 680-645526/8

Matrix: Water

Analysis Batch: 645526

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.55	U	1.1	0.55	ug/L			11/24/20 17:46	1
Ethene	0.50	U	1.0	0.50	ug/L			11/24/20 17:46	1
Methane	0.29	U	0.58	0.29	ug/L			11/24/20 17:46	1
Methane (TCD)	39	U	390	39	ug/L			11/24/20 17:46	1

QC Sample Results

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

Job ID: 680-191488-1

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

Lab Sample ID: LCS 680-645526/3

Matrix: Water

Analysis Batch: 645526

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

Lab Sample ID: LCS 680-645526/9

Matrix: Water

Analysis Batch: 645526

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	327		ug/L		114	75 - 125
Ethene	269	299		ug/L		111	75 - 125
Methane	154	184		ug/L		120	75 - 125

Lab Sample ID: LCSD 680-645526/10

Matrix: Water

Analysis Batch: 645526

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	288	262		ug/L		91	75 - 125	22	30
Ethene	269	241		ug/L		89	75 - 125	22	30
Methane	154	147		ug/L		95	75 - 125	23	30

Lab Sample ID: LCSD 680-645526/4

Matrix: Water

Analysis Batch: 645526

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	1	30

Lab Sample ID: 680-191488-6 MS

Matrix: Water

Analysis Batch: 645526

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	37		288	327		ug/L		100	75 - 125
Ethene	19		269	276		ug/L		96	75 - 125

Lab Sample ID: 680-191488-6 MSD

Matrix: Water

Analysis Batch: 645526

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	37		288	318		ug/L		97	75 - 125	3	30
Ethene	19		269	270		ug/L		93	75 - 125	2	30

QC Sample Results

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

Job ID: 680-191488-1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-644954/2

Matrix: Water

Analysis Batch: 644954

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/20/20 00:41	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/20/20 00:41	1

Lab Sample ID: LCS 680-644954/3

Matrix: Water

Analysis Batch: 644954

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.7		mg/L		99	80 - 120
Total Organic Carbon - Quad	20.0	19.7		mg/L		99	80 - 120
TOC Result 1	20.0	20.1		mg/L		101	80 - 120
TOC Result 2	20.0	19.5		mg/L		98	80 - 120
TOC Result 3	20.0	19.7		mg/L		98	80 - 120
TOC Result 4	20.0	19.5		mg/L		97	80 - 120

Lab Sample ID: LCSD 680-644954/4

Matrix: Water

Analysis Batch: 644954

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
Total Organic Carbon	20.0	19.8		mg/L		99	80 - 120	1	25
Total Organic Carbon - Quad	20.0	19.8		mg/L		99	80 - 120	1	25
TOC Result 1	20.0	19.9		mg/L		99	80 - 120	1	25
TOC Result 2	20.0	20.2		mg/L		101	80 - 120	3	25
TOC Result 3	20.0	19.7		mg/L		98	80 - 120	0	25
TOC Result 4	20.0	19.5		mg/L		98	80 - 120	0	25

Lab Sample ID: MB 680-645107/2

Matrix: Water

Analysis Batch: 645107

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/20/20 09:18	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/20/20 09:18	1

Lab Sample ID: LCS 680-645107/3

Matrix: Water

Analysis Batch: 645107

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.7		mg/L		98	80 - 120
Total Organic Carbon - Quad	20.0	19.7		mg/L		98	80 - 120
TOC Result 1	20.0	19.8		mg/L		99	80 - 120
TOC Result 2	20.0	19.6		mg/L		98	80 - 120
TOC Result 3	20.0	19.9		mg/L		99	80 - 120
TOC Result 4	20.0	19.3		mg/L		97	80 - 120

QC Sample Results

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

Job ID: 680-191488-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 680-645107/4

Matrix: Water

Analysis Batch: 645107

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
Total Organic Carbon	20.0	19.6		mg/L		98	80 - 120		1	25
Total Organic Carbon - Quad	20.0	19.6		mg/L		98	80 - 120		1	25
TOC Result 1	20.0	19.8		mg/L		99	80 - 120		0	25
TOC Result 2	20.0	19.5		mg/L		97	80 - 120		1	25
TOC Result 3	20.0	19.7		mg/L		98	80 - 120		1	25
TOC Result 4	20.0	19.4		mg/L		97	80 - 120		0	25

Lab Sample ID: 680-191488-6 MS

Matrix: Water

Analysis Batch: 645107

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		RPD	RPD Limit
Total Organic Carbon	6.2		20.0	26.5		mg/L		101	80 - 120			
Total Organic Carbon - Quad	6.2		20.0	26.5		mg/L		101	80 - 120			
TOC Result 1	6.5		20.0	26.6		mg/L		100	80 - 120			
TOC Result 2	6.1		20.0	26.9		mg/L		104	80 - 120			
TOC Result 3	6.1		20.0	26.3		mg/L		101	80 - 120			
TOC Result 4	6.1		20.0	26.1		mg/L		100	80 - 120			

Lab Sample ID: 680-191488-6 MSD

Matrix: Water

Analysis Batch: 645107

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
Total Organic Carbon	6.2		20.0	26.7		mg/L		102	80 - 120		1	25
Total Organic Carbon - Quad	6.2		20.0	26.7		mg/L		102	80 - 120		1	25
TOC Result 1	6.5		20.0	26.8		mg/L		101	80 - 120		1	25
TOC Result 2	6.1		20.0	26.3		mg/L		101	80 - 120		2	25
TOC Result 3	6.1		20.0	26.9		mg/L		104	80 - 120		2	25
TOC Result 4	6.1		20.0	26.7		mg/L		103	80 - 120		2	25

QC Association Summary

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

Job ID: 680-191488-1

GC/MS VOA

Analysis Batch: 645311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191488-12	DUP365	Total/NA	Water	8260B	
MB 680-645311/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645311/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645311/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 645430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191488-1	OLF-G74 PORT 1	Total/NA	Water	8260B	
680-191488-2	OLF-G74 PORT 2	Total/NA	Water	8260B	
680-191488-3	OLF-G74 PORT 3	Total/NA	Water	8260B	
680-191488-4	OLF-G74 PORT 4	Total/NA	Water	8260B	
680-191488-5	OLF-G74 PORT 5	Total/NA	Water	8260B	
680-191488-6	OLF-G72 PORT 1	Total/NA	Water	8260B	
680-191488-7	OLF-G72 PORT 2	Total/NA	Water	8260B	
680-191488-8	OLF-G72 PORT 3	Total/NA	Water	8260B	
680-191488-9	OLF-G72 PORT 4	Total/NA	Water	8260B	
680-191488-10	OLF-G72 PORT 5	Total/NA	Water	8260B	
680-191488-11	OLF-G72 PORT 6	Total/NA	Water	8260B	
680-191488-13	DUP364	Total/NA	Water	8260B	
680-191488-14	PPMP-229-GP12	Total/NA	Water	8260B	
MB 680-645430/9	Method Blank	Total/NA	Water	8260B	
LCS 680-645430/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645430/5	Lab Control Sample Dup	Total/NA	Water	8260B	
680-191488-6 MS	OLF-G72 PORT 1	Total/NA	Water	8260B	
680-191488-6 MSD	OLF-G72 PORT 1	Total/NA	Water	8260B	

Analysis Batch: 645528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191488-12 - DL	DUP365	Total/NA	Water	8260B	
MB 680-645528/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645528/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645528/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 645722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191488-15	TB569	Total/NA	Water	8260B	
MB 680-645722/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645722/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645722/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 645273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191488-7	OLF-G72 PORT 2	Total/NA	Water	RSK-175	
680-191488-12	DUP365	Total/NA	Water	RSK-175	
MB 680-645273/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-645273/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-645273/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-645273/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-645273/7	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: 680-191488-1

GC VOA

Analysis Batch: 645526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191488-6	OLF-G72 PORT 1	Total/NA	Water	RSK-175	
680-191488-8	OLF-G72 PORT 3	Total/NA	Water	RSK-175	
680-191488-9	OLF-G72 PORT 4	Total/NA	Water	RSK-175	
680-191488-10	OLF-G72 PORT 5	Total/NA	Water	RSK-175	
680-191488-11	OLF-G72 PORT 6	Total/NA	Water	RSK-175	
MB 680-645526/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-645526/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-645526/9	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-645526/10	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-645526/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-191488-6 MS	OLF-G72 PORT 1	Total/NA	Water	RSK-175	
680-191488-6 MSD	OLF-G72 PORT 1	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 644954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191488-12	DUP365	Total/NA	Water	9060A	
680-191488-13	DUP364	Total/NA	Water	9060A	
MB 680-644954/2	Method Blank	Total/NA	Water	9060A	
LCS 680-644954/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-644954/4	Lab Control Sample Dup	Total/NA	Water	9060A	

Analysis Batch: 645107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191488-1	OLF-G74 PORT 1	Total/NA	Water	9060A	
680-191488-2	OLF-G74 PORT 2	Total/NA	Water	9060A	
680-191488-3	OLF-G74 PORT 3	Total/NA	Water	9060A	
680-191488-4	OLF-G74 PORT 4	Total/NA	Water	9060A	
680-191488-5	OLF-G74 PORT 5	Total/NA	Water	9060A	
680-191488-6	OLF-G72 PORT 1	Total/NA	Water	9060A	
680-191488-7	OLF-G72 PORT 2	Total/NA	Water	9060A	
680-191488-8	OLF-G72 PORT 3	Total/NA	Water	9060A	
680-191488-9	OLF-G72 PORT 4	Total/NA	Water	9060A	
680-191488-10	OLF-G72 PORT 5	Total/NA	Water	9060A	
680-191488-11	OLF-G72 PORT 6	Total/NA	Water	9060A	
MB 680-645107/2	Method Blank	Total/NA	Water	9060A	
LCS 680-645107/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-645107/4	Lab Control Sample Dup	Total/NA	Water	9060A	
680-191488-6 MS	OLF-G72 PORT 1	Total/NA	Water	9060A	
680-191488-6 MSD	OLF-G72 PORT 1	Total/NA	Water	9060A	

Lab Chronicle

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

Job ID: 680-191488-1

Client Sample ID: OLF-G74 PORT 1

Lab Sample ID: 680-191488-1

Date Collected: 11/11/20 09:50

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 10:24	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 10:14	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 PORT 2

Lab Sample ID: 680-191488-2

Date Collected: 11/11/20 10:20

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 09:58	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 10:31	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 PORT 3

Lab Sample ID: 680-191488-3

Date Collected: 11/11/20 10:45

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 09:32	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 10:49	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 PORT 4

Lab Sample ID: 680-191488-4

Date Collected: 11/11/20 11:10

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 09:07	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 11:06	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 PORT 5

Lab Sample ID: 680-191488-5

Date Collected: 11/11/20 11:35

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 08:41	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 11:23	RKJ	TAL SAV
		Instrument ID: TOC7								

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Lab Chronicle

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 1

Lab Sample ID: 680-191488-6

Date Collected: 11/11/20 13:50

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 08:16	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645526	11/24/20 20:30	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 11:41	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 PORT 2

Lab Sample ID: 680-191488-7

Date Collected: 11/11/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 07:50	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645273	11/23/20 16:48	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 12:34	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 PORT 3

Lab Sample ID: 680-191488-8

Date Collected: 11/11/20 15:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 07:25	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645526	11/24/20 18:46	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 12:53	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 PORT 4

Lab Sample ID: 680-191488-9

Date Collected: 11/11/20 15:25

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 06:59	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645526	11/24/20 18:59	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 13:44	RKJ	TAL SAV
		Instrument ID: TOC7								

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Lab Chronicle

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

Job ID: 680-191488-1

Client Sample ID: OLF-G72 PORT 5

Lab Sample ID: 680-191488-10

Date Collected: 11/11/20 15:55

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 06:34	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645526	11/24/20 19:12	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 14:02	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 PORT 6

Lab Sample ID: 680-191488-11

Date Collected: 11/11/20 06:20

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 06:08	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645526	11/24/20 19:25	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645107	11/20/20 14:19	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: DUP365

Lab Sample ID: 680-191488-12

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	DL	10	5 mL	5 mL	645528	11/24/20 16:51	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	8260B		1	5 mL	5 mL	645311	11/23/20 17:47	UI	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645273	11/23/20 17:01	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	644954	11/20/20 07:46	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: DUP364

Lab Sample ID: 680-191488-13

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 05:17	SMP	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	9060A		1	40 mL	40 mL	644954	11/20/20 08:41	RKJ	TAL SAV
		Instrument ID: TOC7								

Lab Chronicle

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

Job ID: 680-191488-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-191488-14

Date Collected: 11/11/20 14:35

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645430	11/24/20 04:51	SMP	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: TB569

Lab Sample ID: 680-191488-15

Date Collected: 11/12/20 13:30

Matrix: Water

Date Received: 11/13/20 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645722	11/25/20 16:30	P1C	TAL SAV
Instrument ID: CMSAA										

Laboratory References:

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: 680-191488-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-21

1

2

3

4

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12

Method Summary

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

Job ID: 680-191488-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL SAV
5030B	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

COC 6249

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 # 20,094,21-05,3,500

Lab contract:

Cooler ID Cooler 1 of 2
Page 1 of 1

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-G74 Port 1	NS	MW	Water	Grab		11/11/20	9:50	X		X	
OLF-G74 Port 2	NS	MW	Water	Grab		11/11/20	10:20	X		X	
OLF-G74 Port 3	NS	MW	Water	Grab		11/11/20	10:45	X		X	
OLF-G74 Port 4	NS	MW	Water	Grab		11/11/20	11:10	X		X	
OLF-G74 Port 5	NS	MW	Water	Grab		11/11/20	11:35	X		X	
OLF-G72 Port 1	NS	MW	Water	Grab	X	11/11/20	13:50	X	X	X	
OLF-G72 Port 2	NS	MW	Water	Grab		11/11/20	14:35	X	X	X	
OLF-G72 Port 3	NS	MW	Water	Grab		11/11/20	15:00	X	X	X	
OLF-G72 Port 4	NS	MW	Water	Grab		11/11/20	15:25	X	X	X	
OLF-G72 Port 5	NS	MW	Water	Grab		11/11/20	15:55	X	X	X	
OLF-G72 Port 6	NS	MW	Water	Grab		11/11/20	16:20	X	X	X	
DUP365	FD	FD	Water	Grab		11/10/20	N/A	X	X	X	
DUP364	FD	FD	Water	Grab		11/11/20	X	X		X	
PPMP-229-GP12	NS	MW	Water	Grab		11/11/20	14:35	X			
TB569	TB	TB	Water	Grab		11/12/20	13:30				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.

COMMENTS:

Relinquished by (Signature):

[Signature]

Date/Time:

11/12/20 16:00

Received by (Signature):

FedEx

Double the number of bottles for MS/MSD

Relinquished by (Signature):

[Signature]

Date/Time:

11/13/20

Received by (Signature):

K. Chamberlain
2.2(2.0) 0930



660-191488 Chain of Custody

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-191488-1

Login Number: 191488

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Chamberlain, Kim A

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	

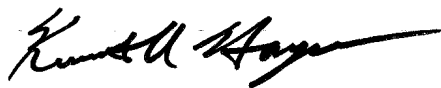
ANALYTICAL REPORT

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

Laboratory Job ID: 680-191752-1
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:
11/30/2020 1:06:51 PM

Ken Hayes, Project Manager II
(615)301-5035
Ken.Hayes@Eurofinset.com

LINKS

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results through
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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: 680-191752-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD 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.
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.

General Chemistry

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: 680-191752-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-191752-1	OLF - G52	Water	11/16/20 08:50	11/19/20 09:50	
680-191752-2	OLF - G22	Water	11/17/20 13:40	11/19/20 09:50	
680-191752-3	OLF - G36	Water	11/17/20 12:00	11/19/20 09:50	
680-191752-4	OLF - G35	Water	11/17/20 08:45	11/19/20 09:50	
680-191752-5	OLF - G51	Water	11/17/20 15:06	11/19/20 09:50	
680-191752-6	OLF - G24	Water	11/16/20 09:26	11/19/20 09:50	
680-191752-7	OLF - G50	Water	11/17/20 16:06	11/19/20 09:50	
680-191752-8	OLF - G19	Water	11/16/20 13:41	11/19/20 09:50	
680-191752-9	OLF - G49	Water	11/17/20 12:16	11/19/20 09:50	
680-191752-10	OLF - G21	Water	11/17/20 08:51	11/19/20 09:50	
680-191752-11	OLF - G18	Water	11/16/20 15:31	11/19/20 09:50	
680-191752-12	OLF - G43	Water	11/16/20 14:55	11/19/20 09:50	
680-191752-13	OLF - G26	Water	11/17/20 10:36	11/19/20 09:50	
680-191752-14	OLF - G48	Water	11/16/20 13:25	11/19/20 09:50	
680-191752-15	OLF - G47	Water	11/16/20 11:30	11/19/20 09:50	
680-191752-16	OLF - G20	Water	11/18/20 09:06	11/19/20 09:50	
680-191752-17	OLF - G07	Water	11/18/20 08:11	11/19/20 09:50	
680-191752-18	OLF - G23	Water	11/17/20 10:10	11/19/20 09:50	
680-191752-19	OLF - G12	Water	11/16/20 11:21	11/19/20 09:50	
680-191752-20	EB136	Water	11/18/20 14:00	11/19/20 09:50	
680-191752-21	Material 106	Water	11/18/20 14:15	11/19/20 09:50	
680-191752-22	TB571	Water	11/18/20 14:31	11/19/20 09:50	

Case Narrative

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

Job ID: 680-191752-1

Job ID: 680-191752-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-191752-1

Comments

No additional comments.

Receipt

The samples were received on 11/19/2020 9:50 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3° C.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) analyzed in batch 680-645728 was outside the method criteria for the following analyte(s): Iodomethane. This analyte has been identified as a poor performing analyte when using this method. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. (CCVIS 680-645728/2)

Method 8260B: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-645728 recovered outside control limits for the following analyte(s): 4-Methyl-2-pentanone (MIBK), Acetone and Iodomethane. 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 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-645728 recovered outside control limits for the following analytes: Bromomethane.

Method 8260B: The method blank for batch 680-645728 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 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-645728.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-645722.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-646112.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-646104.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-645722 recovered outside control limits for the following analytes: 2-Hexanone.

Method 8260B: The method blank for preparation batch <PrepBatch> 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 8260B: The continuing calibration verification (CCV) analyzed in batch 680-646112 was outside the method criteria for the following analyte(s): Iodomethane. This analyte has been identified as a poor performing analyte when using this method. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. (CCVIS 680-646112/2)

Method 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 680-646112 recovered outside control limits for the following analytes: 2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK) and Acetone. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Case Narrative

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

Job ID: 680-191752-1

Job ID: 680-191752-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-646112 recovered outside control limits for the following analytes: 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Acetone and Acrylonitrile.

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

HPLC/IC

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

GC Semi VOA

No analytical or quality issues were noted, other than those described 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: 680-191752-1

Client Sample ID: OLF - G52

Lab Sample ID: 680-191752-1

Date Collected: 11/16/20 08:50

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 13:56	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 13:56	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 13:56	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 13:56	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 13:56	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 13:56	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 13:56	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 13:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 13:56	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 13:56	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 13:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 13:56	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 13:56	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 13:56	1
cis-1,2-Dichloroethene	1.9		1.0	0.41	ug/L			11/25/20 13:56	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 13:56	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 13:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 13:56	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 13:56	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 13:56	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 13:56	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 13:56	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 13:56	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 13:56	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 13:56	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 13:56	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 13:56	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 13:56	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/25/20 13:56	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 13:56	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 13:56	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 13:56	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 13:56	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 13:56	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 13:56	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 13:56	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 13:56	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 13:56	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 13:56	1
trans-1,2-Dichloroethene	0.44	J	1.0	0.37	ug/L			11/25/20 13:56	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 13:56	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 13:56	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 13:56	1
Trichloroethene	7.6		1.0	0.48	ug/L			11/25/20 13:56	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 13:56	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 13:56	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 13:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 13:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 13:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G52

Lab Sample ID: 680-191752-1

Date Collected: 11/16/20 08:50

Matrix: Water

Date Received: 11/19/20 09:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130		11/25/20 13:56	1
Dibromofluoromethane (Surr)	102		70 - 130		11/25/20 13:56	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		11/25/20 13:56	1
Toluene-d8 (Surr)	94		70 - 130		11/25/20 13:56	1

Client Sample ID: OLF - G22

Lab Sample ID: 680-191752-2

Date Collected: 11/17/20 13:40

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U * *1	10	7.0	ug/L			11/28/20 17:25	1
Acrylonitrile	10	U *1	20	10	ug/L			11/28/20 17:25	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 17:25	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 17:25	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 17:25	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 17:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 17:25	1
2-Butanone (MEK)	3.4	U * *1	10	3.4	ug/L			11/28/20 17:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 17:25	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 17:25	1
Chlorobenzene	7.2		1.0	0.26	ug/L			11/28/20 17:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 17:25	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 17:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 17:25	1
cis-1,2-Dichloroethene	24		1.0	0.41	ug/L			11/28/20 17:25	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 17:25	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 17:25	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 17:25	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 17:25	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 17:25	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 17:25	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 17:25	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 17:25	1
1,2-Dichloroethane	0.56	J	1.0	0.50	ug/L			11/28/20 17:25	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 17:25	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 17:25	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 17:25	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 17:25	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/28/20 17:25	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 17:25	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 17:25	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/28/20 17:25	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 17:25	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 17:25	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 17:25	1
1,1,2,2-Tetrachloroethane	30		1.0	0.62	ug/L			11/28/20 17:25	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 17:25	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 17:25	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 17:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G22

Lab Sample ID: 680-191752-2

Date Collected: 11/17/20 13:40

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	9.1		1.0	0.37	ug/L			11/28/20 17:25	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 17:25	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 17:25	1
1,1,2-Trichloroethane	1.5		1.0	0.33	ug/L			11/28/20 17:25	1
Trichloroethene	66		1.0	0.48	ug/L			11/28/20 17:25	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 17:25	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 17:25	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 17:25	1
Vinyl chloride	0.98	J	1.0	0.50	ug/L			11/28/20 17:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		11/28/20 17:25	1
Dibromofluoromethane (Surr)	94		70 - 130		11/28/20 17:25	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		11/28/20 17:25	1
Toluene-d8 (Surr)	91		70 - 130		11/28/20 17:25	1

Client Sample ID: OLF - G36

Lab Sample ID: 680-191752-3

Date Collected: 11/17/20 12:00

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U **1	10	7.0	ug/L			11/28/20 17:48	1
Acrylonitrile	10	U *1	20	10	ug/L			11/28/20 17:48	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 17:48	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 17:48	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 17:48	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 17:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 17:48	1
2-Butanone (MEK)	3.4	U **1	10	3.4	ug/L			11/28/20 17:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 17:48	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 17:48	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 17:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 17:48	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 17:48	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 17:48	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 17:48	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 17:48	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 17:48	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 17:48	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 17:48	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 17:48	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 17:48	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 17:48	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 17:48	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 17:48	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 17:48	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 17:48	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 17:48	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G36

Lab Sample ID: 680-191752-3

Date Collected: 11/17/20 12:00

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 17:48	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/28/20 17:48	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 17:48	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 17:48	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/28/20 17:48	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 17:48	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 17:48	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 17:48	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 17:48	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 17:48	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 17:48	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 17:48	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 17:48	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 17:48	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 17:48	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 17:48	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 17:48	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 17:48	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 17:48	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 17:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 17:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		11/28/20 17:48	1
Dibromofluoromethane (Surr)	93		70 - 130		11/28/20 17:48	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		11/28/20 17:48	1
Toluene-d8 (Surr)	91		70 - 130		11/28/20 17:48	1

Client Sample ID: OLF - G35

Lab Sample ID: 680-191752-4

Date Collected: 11/17/20 08:45

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U **1	10	7.0	ug/L			11/28/20 18:11	1
Acrylonitrile	10	U *1	20	10	ug/L			11/28/20 18:11	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 18:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 18:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 18:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:11	1
2-Butanone (MEK)	3.4	U **1	10	3.4	ug/L			11/28/20 18:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 18:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 18:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 18:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 18:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 18:11	1
cis-1,2-Dichloroethene	0.61	J	1.0	0.41	ug/L			11/28/20 18:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G35

Lab Sample ID: 680-191752-4

Date Collected: 11/17/20 08:45

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 18:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 18:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 18:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 18:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 18:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 18:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 18:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 18:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 18:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 18:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 18:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 18:11	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/28/20 18:11	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 18:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 18:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/28/20 18:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 18:11	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 18:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:11	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 18:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 18:11	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 18:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 18:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 18:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 18:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 18:11	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 18:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 18:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 18:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 18:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 18:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		11/28/20 18:11	1
Dibromofluoromethane (Surr)	94		70 - 130		11/28/20 18:11	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		11/28/20 18:11	1
Toluene-d8 (Surr)	92		70 - 130		11/28/20 18:11	1

Client Sample ID: OLF - G51

Lab Sample ID: 680-191752-5

Date Collected: 11/17/20 15:06

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U **1	10	7.0	ug/L			11/28/20 18:34	1
Acrylonitrile	10	U *1	20	10	ug/L			11/28/20 18:34	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 18:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G51

Lab Sample ID: 680-191752-5

Date Collected: 11/17/20 15:06

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 18:34	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 18:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:34	1
2-Butanone (MEK)	3.4	U * *1	10	3.4	ug/L			11/28/20 18:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 18:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 18:34	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 18:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 18:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 18:34	1
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L			11/28/20 18:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 18:34	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 18:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 18:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:34	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 18:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 18:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 18:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 18:34	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 18:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 18:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 18:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 18:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 18:34	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/28/20 18:34	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 18:34	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 18:34	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/28/20 18:34	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 18:34	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 18:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:34	1
1,1,2,2-Tetrachloroethane	2.1		1.0	0.62	ug/L			11/28/20 18:34	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 18:34	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 18:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 18:34	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 18:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 18:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 18:34	1
Trichloroethene	12		1.0	0.48	ug/L			11/28/20 18:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 18:34	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 18:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 18:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 18:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		11/28/20 18:34	1
Dibromofluoromethane (Surr)	93		70 - 130		11/28/20 18:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G51

Date Collected: 11/17/20 15:06

Date Received: 11/19/20 09:50

Lab Sample ID: 680-191752-5

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		11/28/20 18:34	1
Toluene-d8 (Surr)	91		70 - 130		11/28/20 18:34	1

Client Sample ID: OLF - G24

Date Collected: 11/16/20 09:26

Date Received: 11/19/20 09:50

Lab Sample ID: 680-191752-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 14:21	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 14:21	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 14:21	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 14:21	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:21	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 14:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 14:21	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 14:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 14:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 14:21	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 14:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 14:21	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 14:21	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 14:21	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 14:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 14:21	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 14:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 14:21	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:21	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 14:21	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 14:21	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 14:21	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 14:21	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 14:21	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 14:21	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 14:21	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 14:21	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 14:21	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/25/20 14:21	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 14:21	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 14:21	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 14:21	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 14:21	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 14:21	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:21	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 14:21	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 14:21	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 14:21	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 14:21	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 14:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G24

Lab Sample ID: 680-191752-6

Date Collected: 11/16/20 09:26

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 14:21	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:21	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 14:21	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 14:21	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 14:21	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 14:21	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 14:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 14:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130		11/25/20 14:21	1
Dibromofluoromethane (Surr)	106		70 - 130		11/25/20 14:21	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 124		11/25/20 14:21	1
Toluene-d8 (Surr)	100		70 - 130		11/25/20 14:21	1

Client Sample ID: OLF - G50

Lab Sample ID: 680-191752-7

Date Collected: 11/17/20 16:06

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U * *1	10	7.0	ug/L			11/28/20 18:57	1
Acrylonitrile	10	U *1	20	10	ug/L			11/28/20 18:57	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 18:57	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 18:57	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:57	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 18:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:57	1
2-Butanone (MEK)	3.4	U * *1	10	3.4	ug/L			11/28/20 18:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 18:57	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 18:57	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 18:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:57	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 18:57	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 18:57	1
cis-1,2-Dichloroethene	7.3		1.0	0.41	ug/L			11/28/20 18:57	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 18:57	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 18:57	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 18:57	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:57	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 18:57	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 18:57	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 18:57	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 18:57	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 18:57	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 18:57	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 18:57	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 18:57	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 18:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G50

Lab Sample ID: 680-191752-7

Date Collected: 11/17/20 16:06

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/28/20 18:57	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 18:57	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 18:57	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/28/20 18:57	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 18:57	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 18:57	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:57	1
1,1,2,2-Tetrachloroethane	19		1.0	0.62	ug/L			11/28/20 18:57	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 18:57	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 18:57	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 18:57	1
trans-1,2-Dichloroethene	1.4		1.0	0.37	ug/L			11/28/20 18:57	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 18:57	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:57	1
1,1,2-Trichloroethane	0.70	J	1.0	0.33	ug/L			11/28/20 18:57	1
Trichloroethene	71		1.0	0.48	ug/L			11/28/20 18:57	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 18:57	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 18:57	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 18:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 18:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		11/28/20 18:57	1
Dibromofluoromethane (Surr)	93		70 - 130		11/28/20 18:57	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		11/28/20 18:57	1
Toluene-d8 (Surr)	92		70 - 130		11/28/20 18:57	1

Client Sample ID: OLF - G19

Lab Sample ID: 680-191752-8

Date Collected: 11/16/20 13:41

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 14:47	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 14:47	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 14:47	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 14:47	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:47	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 14:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 14:47	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 14:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 14:47	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 14:47	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 14:47	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 14:47	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 14:47	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 14:47	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 14:47	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 14:47	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G19

Lab Sample ID: 680-191752-8

Date Collected: 11/16/20 13:41

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 14:47	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 14:47	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:47	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 14:47	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 14:47	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 14:47	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 14:47	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 14:47	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 14:47	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 14:47	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 14:47	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 14:47	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/25/20 14:47	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 14:47	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 14:47	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 14:47	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 14:47	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 14:47	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:47	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 14:47	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 14:47	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 14:47	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 14:47	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 14:47	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 14:47	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:47	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 14:47	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 14:47	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 14:47	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 14:47	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 14:47	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 14:47	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130		11/25/20 14:47	1
Dibromofluoromethane (Surr)	106		70 - 130		11/25/20 14:47	1
1,2-Dichloroethane-d4 (Surr)	112		60 - 124		11/25/20 14:47	1
Toluene-d8 (Surr)	95		70 - 130		11/25/20 14:47	1

Client Sample ID: OLF - G49

Lab Sample ID: 680-191752-9

Date Collected: 11/17/20 12:16

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 16:11	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 16:11	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 16:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 16:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G49

Lab Sample ID: 680-191752-9

Date Collected: 11/17/20 12:16

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 16:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 16:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 16:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 16:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 16:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 16:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 16:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 16:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 16:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 16:11	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 16:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 16:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 16:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 16:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 16:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 16:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 16:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 16:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 16:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 16:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 16:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 16:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 16:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 16:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 16:11	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 16:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 16:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 16:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 16:11	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 16:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 16:11	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 16:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 16:11	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 16:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 16:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 16:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 16:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 16:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 16:11	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 16:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 16:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 16:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 16:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 16:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130		11/28/20 16:11	1
Dibromofluoromethane (Surr)	93		70 - 130		11/28/20 16:11	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		11/28/20 16:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G49

Lab Sample ID: 680-191752-9

Date Collected: 11/17/20 12:16

Matrix: Water

Date Received: 11/19/20 09:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		70 - 130		11/28/20 16:11	1

Client Sample ID: OLF - G21

Lab Sample ID: 680-191752-10

Date Collected: 11/17/20 08:51

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 16:35	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 16:35	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 16:35	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 16:35	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 16:35	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 16:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 16:35	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 16:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 16:35	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 16:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 16:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 16:35	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 16:35	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 16:35	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 16:35	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 16:35	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 16:35	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 16:35	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 16:35	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 16:35	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 16:35	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 16:35	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 16:35	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 16:35	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 16:35	1
1,2-Dichloropropene	0.67	U	1.0	0.67	ug/L			11/28/20 16:35	1
1,3-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/28/20 16:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 16:35	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 16:35	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 16:35	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 16:35	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 16:35	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 16:35	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 16:35	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 16:35	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 16:35	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 16:35	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 16:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 16:35	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 16:35	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 16:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G21

Lab Sample ID: 680-191752-10

Date Collected: 11/17/20 08:51

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 16:35	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 16:35	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 16:35	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 16:35	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 16:35	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 16:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 16:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 16:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130		11/28/20 16:35	1
Dibromofluoromethane (Surr)	91		70 - 130		11/28/20 16:35	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		11/28/20 16:35	1
Toluene-d8 (Surr)	96		70 - 130		11/28/20 16:35	1

Client Sample ID: OLF - G18

Lab Sample ID: 680-191752-11

Date Collected: 11/16/20 15:31

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 15:13	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 15:13	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 15:13	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 15:13	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 15:13	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 15:13	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 15:13	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 15:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 15:13	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 15:13	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 15:13	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 15:13	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 15:13	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 15:13	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 15:13	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 15:13	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 15:13	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 15:13	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 15:13	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 15:13	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 15:13	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 15:13	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 15:13	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 15:13	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 15:13	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 15:13	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 15:13	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 15:13	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/25/20 15:13	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G18

Lab Sample ID: 680-191752-11

Date Collected: 11/16/20 15:31

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 15:13	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 15:13	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 15:13	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 15:13	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 15:13	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 15:13	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 15:13	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 15:13	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 15:13	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 15:13	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 15:13	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 15:13	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 15:13	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 15:13	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 15:13	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 15:13	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 15:13	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 15:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 15:13	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130		11/25/20 15:13	1
Dibromofluoromethane (Surr)	107		70 - 130		11/25/20 15:13	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		11/25/20 15:13	1
Toluene-d8 (Surr)	101		70 - 130		11/25/20 15:13	1

Client Sample ID: OLF - G43

Lab Sample ID: 680-191752-12

Date Collected: 11/16/20 14:55

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/25/20 15:38	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 15:38	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 15:38	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 15:38	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 15:38	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 15:38	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 15:38	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 15:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 15:38	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 15:38	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 15:38	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 15:38	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 15:38	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 15:38	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 15:38	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 15:38	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 15:38	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G43

Lab Sample ID: 680-191752-12

Date Collected: 11/16/20 14:55

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 15:38	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 15:38	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 15:38	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 15:38	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 15:38	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 15:38	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 15:38	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 15:38	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 15:38	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 15:38	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 15:38	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/25/20 15:38	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 15:38	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 15:38	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 15:38	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 15:38	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 15:38	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 15:38	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 15:38	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 15:38	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 15:38	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 15:38	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 15:38	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 15:38	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 15:38	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 15:38	1
Trichloroethene	0.64	J	1.0	0.48	ug/L			11/25/20 15:38	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 15:38	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 15:38	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 15:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 15:38	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130		11/25/20 15:38	1
Dibromofluoromethane (Surr)	103		70 - 130		11/25/20 15:38	1
1,2-Dichloroethane-d4 (Surr)	105		60 - 124		11/25/20 15:38	1
Toluene-d8 (Surr)	98		70 - 130		11/25/20 15:38	1

Client Sample ID: OLF - G26

Lab Sample ID: 680-191752-13

Date Collected: 11/17/20 10:36

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 16:59	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 16:59	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 16:59	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 16:59	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 16:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G26

Lab Sample ID: 680-191752-13

Date Collected: 11/17/20 10:36

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 16:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 16:59	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 16:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 16:59	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 16:59	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 16:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 16:59	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 16:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 16:59	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 16:59	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 16:59	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 16:59	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 16:59	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 16:59	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 16:59	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 16:59	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 16:59	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 16:59	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 16:59	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 16:59	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 16:59	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 16:59	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 16:59	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 16:59	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 16:59	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 16:59	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 16:59	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 16:59	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 16:59	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 16:59	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 16:59	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 16:59	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 16:59	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 16:59	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 16:59	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 16:59	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 16:59	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 16:59	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 16:59	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 16:59	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 16:59	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 16:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 16:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130		11/28/20 16:59	1
Dibromofluoromethane (Surr)	91		70 - 130		11/28/20 16:59	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		11/28/20 16:59	1
Toluene-d8 (Surr)	98		70 - 130		11/28/20 16:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G48

Lab Sample ID: 680-191752-14

Date Collected: 11/16/20 13:25

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			11/25/20 14:03	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 14:03	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 14:03	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 14:03	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:03	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 14:03	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			11/25/20 14:03	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 14:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 14:03	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 14:03	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 14:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 14:03	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 14:03	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 14:03	1
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L			11/25/20 14:03	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 14:03	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 14:03	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 14:03	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:03	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 14:03	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 14:03	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 14:03	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 14:03	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 14:03	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 14:03	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 14:03	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 14:03	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 14:03	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 14:03	1
Iodomethane	5.0	U *	10	5.0	ug/L			11/25/20 14:03	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 14:03	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/25/20 14:03	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 14:03	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 14:03	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:03	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 14:03	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 14:03	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 14:03	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 14:03	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 14:03	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 14:03	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:03	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 14:03	1
Trichloroethene	4.1		1.0	0.48	ug/L			11/25/20 14:03	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 14:03	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 14:03	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 14:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 14:03	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 14:03	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G48

Lab Sample ID: 680-191752-14

Date Collected: 11/16/20 13:25

Matrix: Water

Date Received: 11/19/20 09:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		11/25/20 14:03	1
Dibromofluoromethane (Surr)	90		70 - 130		11/25/20 14:03	1
1,2-Dichloroethane-d4 (Surr)	94		60 - 124		11/25/20 14:03	1
Toluene-d8 (Surr)	90		70 - 130		11/25/20 14:03	1

Client Sample ID: OLF - G47

Lab Sample ID: 680-191752-15

Date Collected: 11/16/20 11:30

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			11/25/20 14:27	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 14:27	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 14:27	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 14:27	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:27	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 14:27	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			11/25/20 14:27	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 14:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 14:27	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 14:27	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 14:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 14:27	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 14:27	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 14:27	1
cis-1,2-Dichloroethene	4.3		1.0	0.41	ug/L			11/25/20 14:27	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 14:27	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 14:27	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 14:27	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:27	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 14:27	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 14:27	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 14:27	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 14:27	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 14:27	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 14:27	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 14:27	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 14:27	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 14:27	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 14:27	1
Iodomethane	5.0	U *	10	5.0	ug/L			11/25/20 14:27	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 14:27	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/25/20 14:27	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 14:27	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 14:27	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:27	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 14:27	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 14:27	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 14:27	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 14:27	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G47

Lab Sample ID: 680-191752-15

Date Collected: 11/16/20 11:30

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	1.2		1.0	0.37	ug/L			11/25/20 14:27	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 14:27	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:27	1
1,1,2-Trichloroethane	0.35	J	1.0	0.33	ug/L			11/25/20 14:27	1
Trichloroethene	30		1.0	0.48	ug/L			11/25/20 14:27	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 14:27	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 14:27	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 14:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 14:27	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		11/25/20 14:27	1
Dibromofluoromethane (Surr)	90		70 - 130		11/25/20 14:27	1
1,2-Dichloroethane-d4 (Surr)	96		60 - 124		11/25/20 14:27	1
Toluene-d8 (Surr)	91		70 - 130		11/25/20 14:27	1

Client Sample ID: OLF - G20

Lab Sample ID: 680-191752-16

Date Collected: 11/18/20 09:06

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U * *1	10	7.0	ug/L			11/28/20 19:20	1
Acrylonitrile	10	U *1	20	10	ug/L			11/28/20 19:20	1
Benzene	0.45	J	1.0	0.43	ug/L			11/28/20 19:20	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 19:20	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 19:20	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 19:20	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 19:20	1
2-Butanone (MEK)	3.4	U * *1	10	3.4	ug/L			11/28/20 19:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 19:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 19:20	1
Chlorobenzene	1.3		1.0	0.26	ug/L			11/28/20 19:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 19:20	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 19:20	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 19:20	1
cis-1,2-Dichloroethene	5.8		1.0	0.41	ug/L			11/28/20 19:20	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 19:20	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 19:20	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 19:20	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 19:20	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 19:20	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 19:20	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 19:20	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 19:20	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 19:20	1
1,1-Dichloroethene	2.0		1.0	0.36	ug/L			11/28/20 19:20	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 19:20	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 19:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G20

Lab Sample ID: 680-191752-16

Date Collected: 11/18/20 09:06

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 19:20	1
2-Hexanone	2.0	U *1	10	2.0	ug/L			11/28/20 19:20	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 19:20	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 19:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/28/20 19:20	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 19:20	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 19:20	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 19:20	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 19:20	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 19:20	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 19:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 19:20	1
trans-1,2-Dichloroethene	1.3		1.0	0.37	ug/L			11/28/20 19:20	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 19:20	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 19:20	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 19:20	1
Trichloroethene	8.5		1.0	0.48	ug/L			11/28/20 19:20	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 19:20	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 19:20	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 19:20	1
Vinyl chloride	6.9		1.0	0.50	ug/L			11/28/20 19:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		11/28/20 19:20	1
Dibromofluoromethane (Surr)	93		70 - 130		11/28/20 19:20	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		11/28/20 19:20	1
Toluene-d8 (Surr)	91		70 - 130		11/28/20 19:20	1

Client Sample ID: OLF - G07

Lab Sample ID: 680-191752-17

Date Collected: 11/18/20 08:11

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 21:35	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 21:35	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 21:35	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 21:35	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 21:35	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 21:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 21:35	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 21:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 21:35	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 21:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 21:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 21:35	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 21:35	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 21:35	1
cis-1,2-Dichloroethene	4.3		1.0	0.41	ug/L			11/28/20 21:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G07

Lab Sample ID: 680-191752-17

Date Collected: 11/18/20 08:11

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 21:35	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 21:35	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 21:35	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 21:35	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 21:35	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 21:35	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 21:35	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 21:35	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 21:35	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 21:35	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 21:35	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 21:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 21:35	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 21:35	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 21:35	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 21:35	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 21:35	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 21:35	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 21:35	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 21:35	1
1,1,2,2-Tetrachloroethane	59		1.0	0.62	ug/L			11/28/20 21:35	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 21:35	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 21:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 21:35	1
trans-1,2-Dichloroethene	2.3		1.0	0.37	ug/L			11/28/20 21:35	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 21:35	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 21:35	1
1,1,2-Trichloroethane	0.79	J	1.0	0.33	ug/L			11/28/20 21:35	1
Trichloroethene	37		1.0	0.48	ug/L			11/28/20 21:35	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 21:35	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 21:35	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 21:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 21:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		11/28/20 21:35	1
Dibromofluoromethane (Surr)	96		70 - 130		11/28/20 21:35	1
1,2-Dichloroethane-d4 (Surr)	78		60 - 124		11/28/20 21:35	1
Toluene-d8 (Surr)	107		70 - 130		11/28/20 21:35	1

Client Sample ID: OLF - G23

Lab Sample ID: 680-191752-18

Date Collected: 11/17/20 10:10

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 17:23	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 17:23	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 17:23	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G23

Lab Sample ID: 680-191752-18

Date Collected: 11/17/20 10:10

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 17:23	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 17:23	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 17:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 17:23	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 17:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 17:23	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 17:23	1
Chlorobenzene	9.2		1.0	0.26	ug/L			11/28/20 17:23	1
Chloroethane	3.2	J	5.0	2.5	ug/L			11/28/20 17:23	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 17:23	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 17:23	1
cis-1,2-Dichloroethene	31		1.0	0.41	ug/L			11/28/20 17:23	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 17:23	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 17:23	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 17:23	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 17:23	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 17:23	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 17:23	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 17:23	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 17:23	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 17:23	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 17:23	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 17:23	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 17:23	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 17:23	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 17:23	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 17:23	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 17:23	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 17:23	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 17:23	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 17:23	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 17:23	1
1,1,2,2-Tetrachloroethane	63		1.0	0.62	ug/L			11/28/20 17:23	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 17:23	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 17:23	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 17:23	1
trans-1,2-Dichloroethene	16		1.0	0.37	ug/L			11/28/20 17:23	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 17:23	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 17:23	1
1,1,2-Trichloroethane	2.7		1.0	0.33	ug/L			11/28/20 17:23	1
Trichloroethene	79		1.0	0.48	ug/L			11/28/20 17:23	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 17:23	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 17:23	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 17:23	1
Vinyl chloride	2.3		1.0	0.50	ug/L			11/28/20 17:23	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130		11/28/20 17:23	1
Dibromofluoromethane (Surr)	92		70 - 130		11/28/20 17:23	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G23

Lab Sample ID: 680-191752-18

Date Collected: 11/17/20 10:10

Matrix: Water

Date Received: 11/19/20 09:50

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		11/28/20 17:23	1
Toluene-d8 (Surr)	98		70 - 130		11/28/20 17:23	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.0		1.1	0.55	ug/L			11/27/20 16:20	1
Ethene	0.50	U	1.0	0.50	ug/L			11/27/20 16:20	1
Methane (TCD)	1200		390	39	ug/L			11/27/20 16:20	1

Client Sample ID: OLF - G12

Lab Sample ID: 680-191752-19

Date Collected: 11/16/20 11:21

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			11/25/20 14:50	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 14:50	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 14:50	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 14:50	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:50	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 14:50	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			11/25/20 14:50	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 14:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 14:50	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 14:50	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 14:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 14:50	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 14:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 14:50	1
cis-1,2-Dichloroethene	14		1.0	0.41	ug/L			11/25/20 14:50	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 14:50	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 14:50	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 14:50	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 14:50	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 14:50	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 14:50	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 14:50	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 14:50	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 14:50	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 14:50	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 14:50	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 14:50	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 14:50	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 14:50	1
Iodomethane	5.0	U *	10	5.0	ug/L			11/25/20 14:50	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 14:50	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			11/25/20 14:50	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 14:50	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 14:50	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: OLF - G12

Lab Sample ID: 680-191752-19

Date Collected: 11/16/20 11:21

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	120		1.0	0.62	ug/L			11/25/20 14:50	1
Tetrachloroethylene	0.75	J	1.0	0.74	ug/L			11/25/20 14:50	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 14:50	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 14:50	1
trans-1,2-Dichloroethene	5.5		1.0	0.37	ug/L			11/25/20 14:50	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 14:50	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 14:50	1
1,1,2-Trichloroethane	2.7		1.0	0.33	ug/L			11/25/20 14:50	1
Trichloroethene	83		1.0	0.48	ug/L			11/25/20 14:50	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 14:50	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 14:50	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 14:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 14:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		11/25/20 14:50	1
Dibromofluoromethane (Surr)	91		70 - 130		11/25/20 14:50	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		11/25/20 14:50	1
Toluene-d8 (Surr)	90		70 - 130		11/25/20 14:50	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.51	J	0.58	0.29	ug/L			11/27/20 16:33	1
Ethane	0.55	U	1.1	0.55	ug/L			11/27/20 16:33	1
Ethene	0.50	U	1.0	0.50	ug/L			11/27/20 16:33	1

Client Sample ID: EB136

Lab Sample ID: 680-191752-20

Date Collected: 11/18/20 14:00

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 17:47	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 17:47	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 17:47	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 17:47	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 17:47	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 17:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 17:47	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 17:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 17:47	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 17:47	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 17:47	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 17:47	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 17:47	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 17:47	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 17:47	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 17:47	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 17:47	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: EB136

Lab Sample ID: 680-191752-20

Date Collected: 11/18/20 14:00

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 17:47	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 17:47	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 17:47	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 17:47	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 17:47	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 17:47	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 17:47	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 17:47	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 17:47	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 17:47	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 17:47	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 17:47	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 17:47	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 17:47	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 17:47	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 17:47	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 17:47	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 17:47	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 17:47	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 17:47	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 17:47	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 17:47	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 17:47	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 17:47	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 17:47	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 17:47	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 17:47	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 17:47	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 17:47	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 17:47	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 17:47	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 17:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130		11/28/20 17:47	1
Dibromofluoromethane (Surr)	90		70 - 130		11/28/20 17:47	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		11/28/20 17:47	1
Toluene-d8 (Surr)	98		70 - 130		11/28/20 17:47	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.43	J	0.58	0.29	ug/L			11/27/20 16:46	1
Ethane	0.55	U	1.1	0.55	ug/L			11/27/20 16:46	1
Ethene	0.50	U	1.0	0.50	ug/L			11/27/20 16:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/23/20 15:46	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/23/20 15:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: Material 106

Lab Sample ID: 680-191752-21

Date Collected: 11/18/20 14:15

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 18:11	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 18:11	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 18:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 18:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 18:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 18:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 18:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 18:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 18:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 18:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 18:11	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 18:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 18:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 18:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 18:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 18:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 18:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 18:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 18:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 18:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 18:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 18:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 18:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 18:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 18:11	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 18:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 18:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 18:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 18:11	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 18:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:11	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 18:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 18:11	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 18:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 18:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 18:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 18:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 18:11	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 18:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 18:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 18:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 18:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 18:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 18:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: Material 106

Lab Sample ID: 680-191752-21

Date Collected: 11/18/20 14:15

Matrix: Water

Date Received: 11/19/20 09:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130		11/28/20 18:11	1
Dibromofluoromethane (Surr)	92		70 - 130		11/28/20 18:11	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		11/28/20 18:11	1
Toluene-d8 (Surr)	98		70 - 130		11/28/20 18:11	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.43	J	0.58	0.29	ug/L			11/27/20 16:59	1
Ethane	0.55	U	1.1	0.55	ug/L			11/27/20 16:59	1
Ethene	0.50	U	1.0	0.50	ug/L			11/27/20 16:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/23/20 16:03	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/23/20 16:03	1

Client Sample ID: TB571

Lab Sample ID: 680-191752-22

Date Collected: 11/18/20 14:31

Matrix: Water

Date Received: 11/19/20 09:50

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 18:35	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 18:35	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 18:35	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 18:35	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:35	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 18:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:35	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 18:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 18:35	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 18:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 18:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 18:35	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 18:35	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 18:35	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 18:35	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 18:35	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 18:35	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 18:35	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 18:35	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 18:35	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 18:35	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 18:35	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 18:35	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 18:35	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 18:35	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 18:35	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 18:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 18:35	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 18:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-191752-1

Client Sample ID: TB571

Lab Sample ID: 680-191752-22

Date Collected: 11/18/20 14:31

Matrix: Water

Date Received: 11/19/20 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 18:35	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 18:35	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 18:35	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 18:35	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 18:35	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:35	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 18:35	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 18:35	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 18:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 18:35	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 18:35	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 18:35	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 18:35	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 18:35	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 18:35	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 18:35	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 18:35	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 18:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 18:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 18:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130		11/28/20 18:35	1
Dibromofluoromethane (Surr)	92		70 - 130		11/28/20 18:35	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		11/28/20 18:35	1
Toluene-d8 (Surr)	98		70 - 130		11/28/20 18:35	1

QC Sample Results

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

Job ID: 680-191752-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-645722/8

Matrix: Water

Analysis Batch: 645722

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13.1		10	7.0	ug/L			11/25/20 13:23	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 13:23	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 13:23	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 13:23	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 13:23	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 13:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 13:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 13:23	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 13:23	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 13:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 13:23	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 13:23	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 13:23	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 13:23	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 13:23	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 13:23	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 13:23	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 13:23	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 13:23	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 13:23	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 13:23	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 13:23	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 13:23	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 13:23	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 13:23	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 13:23	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 13:23	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 13:23	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 13:23	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 13:23	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 13:23	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 13:23	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 13:23	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 13:23	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 13:23	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 13:23	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 13:23	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 13:23	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 13:23	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 13:23	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 13:23	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 13:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 13:23	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: MB 680-645722/8

Matrix: Water

Analysis Batch: 645722

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			11/25/20 13:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130		11/25/20 13:23	1
Dibromofluoromethane (Surr)	106		70 - 130		11/25/20 13:23	1
1,2-Dichloroethane-d4 (Surr)	101		60 - 124		11/25/20 13:23	1
Toluene-d8 (Surr)	102		70 - 130		11/25/20 13:23	1

Lab Sample ID: LCS 680-645722/3

Matrix: Water

Analysis Batch: 645722

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	217		ug/L		87	67 - 113
Acrylonitrile	500	455		ug/L		91	70 - 130
Benzene	50.0	49.5		ug/L		99	70 - 130
Bromochloromethane	50.0	50.5		ug/L		101	70 - 130
Bromodichloromethane	50.0	51.1		ug/L		102	70 - 130
Bromoform	50.0	42.8		ug/L		86	69 - 129
Bromomethane	50.0	41.2		ug/L		82	28 - 192
2-Butanone (MEK)	250	242		ug/L		97	69 - 114
Carbon disulfide	50.0	49.9		ug/L		100	70 - 130
Carbon tetrachloride	50.0	47.0		ug/L		94	70 - 130
Chlorobenzene	50.0	50.5		ug/L		101	70 - 130
Chloroethane	50.0	49.9		ug/L		100	31 - 213
Chloroform	50.0	53.4		ug/L		107	70 - 130
Chloromethane	50.0	50.3		ug/L		101	59 - 127
cis-1,2-Dichloroethane	50.0	48.1		ug/L		96	70 - 130
cis-1,3-Dichloropropene	50.0	46.4		ug/L		93	70 - 130
Dibromochloromethane	50.0	47.7		ug/L		95	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	43.5		ug/L		87	70 - 130
1,2-Dibromoethane	50.0	48.1		ug/L		96	70 - 130
Dibromomethane	50.0	48.1		ug/L		96	70 - 130
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	70 - 130
1,1-Dichloroethane	50.0	48.8		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130
1,1-Dichloroethene	50.0	47.2		ug/L		94	70 - 130
1,2-Dichloropropane	50.0	49.2		ug/L		98	70 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	70 - 130
Ethylbenzene	50.0	50.5		ug/L		101	70 - 130
2-Hexanone	250	218		ug/L		87	70 - 130
Iodomethane	50.0	30.8		ug/L		62	52 - 129
Methylene Chloride	50.0	53.4		ug/L		107	70 - 130
4-Methyl-2-pentanone (MIBK)	250	223		ug/L		89	68 - 108
Methyl tert-butyl ether	50.0	51.8		ug/L		104	70 - 130
Styrene	50.0	53.5		ug/L		107	70 - 130
1,1,1,2-Tetrachloroethane	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: 680-191752-1

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

Lab Sample ID: LCS 680-645722/3

Matrix: Water

Analysis Batch: 645722

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	50.0		ug/L		100	70 - 130
Tetrachloroethylene	50.0	45.7		ug/L		91	70 - 130
Toluene	50.0	48.5		ug/L		97	70 - 130
trans-1,4-Dichloro-2-butene	50.0	46.7		ug/L		93	67 - 112
trans-1,2-Dichloroethene	50.0	48.0		ug/L		96	70 - 130
trans-1,3-Dichloropropene	50.0	47.3		ug/L		95	70 - 130
1,1,1-Trichloroethane	50.0	52.3		ug/L		105	70 - 130
1,1,2-Trichloroethane	50.0	48.6		ug/L		97	70 - 130
Trichloroethene	50.0	47.3		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	55.7		ug/L		111	63 - 142
1,2,3-Trichloropropane	50.0	47.3		ug/L		95	70 - 130
Vinyl acetate	100	89.4		ug/L		89	67 - 135
Vinyl chloride	50.0	50.3		ug/L		101	66 - 129
Xylenes, Total	100	100		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	99		60 - 124
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: LCSD 680-645722/4

Matrix: Water

Analysis Batch: 645722

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	253		ug/L		101	67 - 113	15	30
Acrylonitrile	500	530		ug/L		106	70 - 130	15	30
Benzene	50.0	55.1		ug/L		110	70 - 130	11	30
Bromochloromethane	50.0	47.4		ug/L		95	70 - 130	6	30
Bromodichloromethane	50.0	57.6		ug/L		115	70 - 130	12	30
Bromoform	50.0	47.8		ug/L		96	69 - 129	11	30
Bromomethane	50.0	47.4		ug/L		95	28 - 192	14	30
2-Butanone (MEK)	250	276		ug/L		110	69 - 114	13	30
Carbon disulfide	50.0	54.9		ug/L		110	70 - 130	10	30
Carbon tetrachloride	50.0	53.2		ug/L		106	70 - 130	12	30
Chlorobenzene	50.0	54.3		ug/L		109	70 - 130	7	30
Chloroethane	50.0	58.0		ug/L		116	31 - 213	15	30
Chloroform	50.0	56.4		ug/L		113	70 - 130	5	30
Chloromethane	50.0	57.0		ug/L		114	59 - 127	12	30
cis-1,2-Dichloroethene	50.0	53.4		ug/L		107	70 - 130	11	30
cis-1,3-Dichloropropene	50.0	53.0		ug/L		106	70 - 130	13	20
Dibromochloromethane	50.0	56.1		ug/L		112	70 - 130	16	30
1,2-Dibromo-3-Chloropropane	50.0	49.0		ug/L		98	70 - 130	12	30
1,2-Dibromoethane	50.0	55.6		ug/L		111	70 - 130	14	30
Dibromomethane	50.0	53.6		ug/L		107	70 - 130	11	30
1,2-Dichlorobenzene	50.0	56.0		ug/L		112	70 - 130	11	30
1,4-Dichlorobenzene	50.0	55.2		ug/L		110	70 - 130	11	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCSD 680-645722/4

Matrix: Water

Analysis Batch: 645722

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	55.0		ug/L		110	70 - 130	12	30
1,2-Dichloroethane	50.0	53.4		ug/L		107	70 - 130	11	50
1,1-Dichloroethene	50.0	53.1		ug/L		106	70 - 130	12	20
1,2-Dichloropropane	50.0	54.8		ug/L		110	70 - 130	11	20
1,3-Dichloropropane	50.0	58.6		ug/L		117	70 - 130	17	20
Ethylbenzene	50.0	54.6		ug/L		109	70 - 130	8	20
2-Hexanone	250	270	*1	ug/L		108	70 - 130	21	20
Iodomethane	50.0	39.4		ug/L		79	52 - 129	24	30
Methylene Chloride	50.0	59.5		ug/L		119	70 - 130	11	30
4-Methyl-2-pentanone (MIBK)	250	262		ug/L		105	68 - 108	16	30
Methyl tert-butyl ether	50.0	59.9		ug/L		120	70 - 130	14	30
Styrene	50.0	57.3		ug/L		115	70 - 130	7	30
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130	10	30
1,1,2,2-Tetrachloroethane	50.0	56.1		ug/L		112	70 - 130	11	30
Tetrachloroethylene	50.0	51.5		ug/L		103	70 - 130	12	30
Toluene	50.0	54.2		ug/L		108	70 - 130	11	30
trans-1,4-Dichloro-2-butene	50.0	51.2		ug/L		102	67 - 112	9	30
trans-1,2-Dichloroethene	50.0	54.0		ug/L		108	70 - 130	12	30
trans-1,3-Dichloropropene	50.0	54.1		ug/L		108	70 - 130	13	30
1,1,1-Trichloroethane	50.0	57.7		ug/L		115	70 - 130	10	30
1,1,2-Trichloroethane	50.0	58.1		ug/L		116	70 - 130	18	30
Trichloroethene	50.0	53.9		ug/L		108	70 - 130	13	30
Trichlorofluoromethane	50.0	61.6		ug/L		123	63 - 142	10	30
1,2,3-Trichloropropane	50.0	51.3		ug/L		103	70 - 130	8	30
Vinyl acetate	100	106		ug/L		106	67 - 135	17	30
Vinyl chloride	50.0	55.6		ug/L		111	66 - 129	10	30
Xylenes, Total	100	107		ug/L		107	70 - 130	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
Dibromofluoromethane (Surr)	110		70 - 130
1,2-Dichloroethane-d4 (Surr)	115		60 - 124
Toluene-d8 (Surr)	109		70 - 130

Lab Sample ID: MB 680-645728/8

Matrix: Water

Analysis Batch: 645728

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10.3		10	7.0	ug/L			11/25/20 13:08	1
Acrylonitrile	10	U	20	10	ug/L			11/25/20 13:08	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/20 13:08	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/20 13:08	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/20 13:08	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/20 13:08	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/20 13:08	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/20 13:08	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/20 13:08	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: MB 680-645728/8

Matrix: Water

Analysis Batch: 645728

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/20 13:08	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/20 13:08	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/20 13:08	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/20 13:08	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/20 13:08	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/20 13:08	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/20 13:08	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/20 13:08	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/20 13:08	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/20 13:08	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/20 13:08	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/20 13:08	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/20 13:08	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/20 13:08	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/20 13:08	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/20 13:08	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/20 13:08	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/20 13:08	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/20 13:08	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/20 13:08	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/20 13:08	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/20 13:08	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/25/20 13:08	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/20 13:08	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/20 13:08	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 13:08	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/20 13:08	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/20 13:08	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/20 13:08	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/20 13:08	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/20 13:08	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/20 13:08	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/20 13:08	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/20 13:08	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/20 13:08	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/20 13:08	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/20 13:08	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/20 13:08	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/20 13:08	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/20 13:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		11/25/20 13:08	1
Dibromofluoromethane (Surr)	91		70 - 130		11/25/20 13:08	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		11/25/20 13:08	1
Toluene-d8 (Surr)	90		70 - 130		11/25/20 13:08	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCS 680-645728/3

Matrix: Water

Analysis Batch: 645728

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	288	*	ug/L		115	67 - 113
Acrylonitrile	500	558		ug/L		112	70 - 130
Benzene	50.0	44.5		ug/L		89	70 - 130
Bromochloromethane	50.0	47.1		ug/L		94	70 - 130
Bromodichloromethane	50.0	43.6		ug/L		87	70 - 130
Bromoform	50.0	39.1		ug/L		78	69 - 129
Bromomethane	50.0	25.2		ug/L		50	28 - 192
2-Butanone (MEK)	250	257		ug/L		103	69 - 114
Carbon disulfide	50.0	43.3		ug/L		87	70 - 130
Carbon tetrachloride	50.0	42.0		ug/L		84	70 - 130
Chlorobenzene	50.0	45.9		ug/L		92	70 - 130
Chloroethane	50.0	49.4		ug/L		99	31 - 213
Chloroform	50.0	45.5		ug/L		91	70 - 130
Chloromethane	50.0	46.5		ug/L		93	59 - 127
cis-1,2-Dichloroethene	50.0	47.0		ug/L		94	70 - 130
cis-1,3-Dichloropropene	50.0	43.8		ug/L		88	70 - 130
Dibromochloromethane	50.0	43.3		ug/L		87	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	49.9		ug/L		100	70 - 130
1,2-Dibromoethane	50.0	47.8		ug/L		96	70 - 130
Dibromomethane	50.0	48.0		ug/L		96	70 - 130
1,2-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 130
1,4-Dichlorobenzene	50.0	46.5		ug/L		93	70 - 130
1,1-Dichloroethane	50.0	46.9		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	50.0		ug/L		100	70 - 130
1,1-Dichloroethene	50.0	41.6		ug/L		83	70 - 130
1,2-Dichloropropane	50.0	47.2		ug/L		94	70 - 130
1,3-Dichloropropane	50.0	48.8		ug/L		98	70 - 130
Ethylbenzene	50.0	45.9		ug/L		92	70 - 130
2-Hexanone	250	286		ug/L		114	70 - 130
Iodomethane	50.0	22.4	*	ug/L		45	52 - 129
Methylene Chloride	50.0	45.9		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	250	282	*	ug/L		113	68 - 108
Methyl tert-butyl ether	50.0	47.2		ug/L		94	70 - 130
Styrene	50.0	46.6		ug/L		93	70 - 130
1,1,1,2-Tetrachloroethane	50.0	43.1		ug/L		86	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.8		ug/L		102	70 - 130
Tetrachloroethylene	50.0	44.0		ug/L		88	70 - 130
Toluene	50.0	46.2		ug/L		92	70 - 130
trans-1,4-Dichloro-2-butene	50.0	41.7		ug/L		83	67 - 112
trans-1,2-Dichloroethene	50.0	44.1		ug/L		88	70 - 130
trans-1,3-Dichloropropene	50.0	44.3		ug/L		89	70 - 130
1,1,1-Trichloroethane	50.0	43.8		ug/L		88	70 - 130
1,1,2-Trichloroethane	50.0	46.8		ug/L		94	70 - 130
Trichloroethene	50.0	45.5		ug/L		91	70 - 130
Trichlorofluoromethane	50.0	46.5		ug/L		93	63 - 142
1,2,3-Trichloropropane	50.0	52.9		ug/L		106	70 - 130
Vinyl acetate	100	94.0		ug/L		94	67 - 135
Vinyl chloride	50.0	47.9		ug/L		96	66 - 129

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCS 680-645728/3

Matrix: Water

Analysis Batch: 645728

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	90.9		ug/L		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
Dibromofluoromethane (Surr)	89		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		60 - 124
Toluene-d8 (Surr)	90		70 - 130

Lab Sample ID: LCSD 680-645728/4

Matrix: Water

Analysis Batch: 645728

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	299	*	ug/L		120	67 - 113	4	30
Acrylonitrile	500	568		ug/L		114	70 - 130	2	30
Benzene	50.0	43.1		ug/L		86	70 - 130	3	30
Bromochloromethane	50.0	46.2		ug/L		92	70 - 130	2	30
Bromodichloromethane	50.0	42.1		ug/L		84	70 - 130	4	30
Bromoform	50.0	38.8		ug/L		78	69 - 129	1	30
Bromomethane	50.0	34.4	*1	ug/L		69	28 - 192	31	30
2-Butanone (MEK)	250	270		ug/L		108	69 - 114	5	30
Carbon disulfide	50.0	42.7		ug/L		85	70 - 130	1	30
Carbon tetrachloride	50.0	41.5		ug/L		83	70 - 130	1	30
Chlorobenzene	50.0	44.1		ug/L		88	70 - 130	4	30
Chloroethane	50.0	46.1		ug/L		92	31 - 213	7	30
Chloroform	50.0	43.8		ug/L		88	70 - 130	4	30
Chloromethane	50.0	46.2		ug/L		92	59 - 127	1	30
cis-1,2-Dichloroethane	50.0	45.8		ug/L		92	70 - 130	3	30
cis-1,3-Dichloropropene	50.0	42.7		ug/L		85	70 - 130	2	20
Dibromochloromethane	50.0	42.0		ug/L		84	70 - 130	3	30
1,2-Dibromo-3-Chloropropane	50.0	50.2		ug/L		100	70 - 130	0	30
1,2-Dibromoethane	50.0	47.4		ug/L		95	70 - 130	1	30
Dibromomethane	50.0	47.0		ug/L		94	70 - 130	2	30
1,2-Dichlorobenzene	50.0	46.1		ug/L		92	70 - 130	3	30
1,4-Dichlorobenzene	50.0	45.4		ug/L		91	70 - 130	2	30
1,1-Dichloroethane	50.0	46.4		ug/L		93	70 - 130	1	30
1,2-Dichloroethane	50.0	49.0		ug/L		98	70 - 130	2	50
1,1-Dichloroethene	50.0	41.3		ug/L		83	70 - 130	1	20
1,2-Dichloropropane	50.0	45.7		ug/L		91	70 - 130	3	20
1,3-Dichloropropane	50.0	47.7		ug/L		95	70 - 130	2	20
Ethylbenzene	50.0	44.3		ug/L		89	70 - 130	4	20
2-Hexanone	250	291		ug/L		116	70 - 130	2	20
Iodomethane	50.0	25.3	*	ug/L		51	52 - 129	12	30
Methylene Chloride	50.0	43.6		ug/L		87	70 - 130	5	30
4-Methyl-2-pentanone (MIBK)	250	284	*	ug/L		113	68 - 108	0	30
Methyl tert-butyl ether	50.0	46.8		ug/L		94	70 - 130	1	30
Styrene	50.0	45.0		ug/L		90	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	42.0		ug/L		84	70 - 130	3	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCSD 680-645728/4

Matrix: Water

Analysis Batch: 645728

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	50.0	49.6		ug/L		99	70 - 130	2	30
Tetrachloroethylene	50.0	42.4		ug/L		85	70 - 130	4	30
Toluene	50.0	44.5		ug/L		89	70 - 130	4	30
trans-1,4-Dichloro-2-butene	50.0	42.4		ug/L		85	67 - 112	2	30
trans-1,2-Dichloroethene	50.0	43.3		ug/L		87	70 - 130	2	30
trans-1,3-Dichloropropene	50.0	43.1		ug/L		86	70 - 130	3	30
1,1,1-Trichloroethane	50.0	43.1		ug/L		86	70 - 130	2	30
1,1,2-Trichloroethane	50.0	46.0		ug/L		92	70 - 130	2	30
Trichloroethene	50.0	44.3		ug/L		89	70 - 130	3	30
Trichlorofluoromethane	50.0	45.5		ug/L		91	63 - 142	2	30
1,2,3-Trichloropropane	50.0	52.4		ug/L		105	70 - 130	1	30
Vinyl acetate	100	97.6		ug/L		98	67 - 135	4	30
Vinyl chloride	50.0	47.3		ug/L		95	66 - 129	1	30
Xylenes, Total	100	86.9		ug/L		87	70 - 130	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
Dibromofluoromethane (Surr)	86		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		60 - 124
Toluene-d8 (Surr)	86		70 - 130

Lab Sample ID: MB 680-646096/8

Matrix: Water

Analysis Batch: 646096

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 16:24	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 16:24	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 16:24	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 16:24	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 16:24	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 16:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 16:24	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 16:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 16:24	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 16:24	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 16:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 16:24	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 16:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 16:24	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 16:24	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 16:24	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 16:24	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 16:24	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 16:24	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 16:24	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 16:24	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 16:24	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: MB 680-646096/8

Matrix: Water

Analysis Batch: 646096

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	0.38	U	1.0	0.38	ug/L			11/28/20 16:24	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 16:24	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 16:24	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 16:24	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 16:24	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 16:24	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 16:24	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 16:24	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 16:24	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 16:24	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 16:24	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 16:24	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 16:24	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 16:24	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 16:24	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 16:24	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 16:24	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 16:24	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 16:24	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 16:24	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 16:24	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 16:24	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 16:24	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 16:24	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 16:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 16:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 16:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		11/28/20 16:24	1
Dibromofluoromethane (Surr)	96		70 - 130		11/28/20 16:24	1
1,2-Dichloroethane-d4 (Surr)	80		60 - 124		11/28/20 16:24	1
Toluene-d8 (Surr)	106		70 - 130		11/28/20 16:24	1

Lab Sample ID: LCS 680-646096/3

Matrix: Water

Analysis Batch: 646096

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	243		ug/L		97	67 - 113
Acrylonitrile	500	474		ug/L		95	70 - 130
Benzene	50.0	48.4		ug/L		97	70 - 130
Bromochloromethane	50.0	47.4		ug/L		95	70 - 130
Bromodichloromethane	50.0	45.4		ug/L		91	70 - 130
Bromoform	50.0	52.8		ug/L		106	69 - 129
Bromomethane	50.0	38.2		ug/L		76	28 - 192
2-Butanone (MEK)	250	255		ug/L		102	69 - 114
Carbon disulfide	50.0	51.9		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: 680-191752-1

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

Lab Sample ID: LCS 680-646096/3

Matrix: Water

Analysis Batch: 646096

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	44.5		ug/L		89	70 - 130
Chlorobenzene	50.0	52.2		ug/L		104	70 - 130
Chloroethane	50.0	44.1		ug/L		88	31 - 213
Chloroform	50.0	42.9		ug/L		86	70 - 130
Chloromethane	50.0	50.6		ug/L		101	59 - 127
cis-1,2-Dichloroethene	50.0	44.5		ug/L		89	70 - 130
cis-1,3-Dichloropropene	50.0	49.2		ug/L		98	70 - 130
Dibromochloromethane	50.0	49.4		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/L		101	70 - 130
1,2-Dibromoethane	50.0	50.1		ug/L		100	70 - 130
Dibromomethane	50.0	45.3		ug/L		91	70 - 130
1,2-Dichlorobenzene	50.0	48.2		ug/L		96	70 - 130
1,4-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 130
1,1-Dichloroethane	50.0	45.0		ug/L		90	70 - 130
1,2-Dichloroethane	50.0	42.0		ug/L		84	70 - 130
1,1-Dichloroethene	50.0	50.7		ug/L		101	70 - 130
1,2-Dichloropropane	50.0	50.4		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	49.6		ug/L		99	70 - 130
Ethylbenzene	50.0	48.4		ug/L		97	70 - 130
2-Hexanone	250	224		ug/L		90	70 - 130
Iodomethane	50.0	46.8		ug/L		94	52 - 129
Methylene Chloride	50.0	47.6		ug/L		95	70 - 130
4-Methyl-2-pentanone (MIBK)	250	219		ug/L		88	68 - 108
Methyl tert-butyl ether	50.0	44.8		ug/L		90	70 - 130
Styrene	50.0	50.8		ug/L		102	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.7		ug/L		101	70 - 130
Tetrachloroethylene	50.0	53.5		ug/L		107	70 - 130
Toluene	50.0	49.7		ug/L		99	70 - 130
trans-1,4-Dichloro-2-butene	50.0	41.6		ug/L		83	67 - 112
trans-1,2-Dichloroethene	50.0	50.3		ug/L		101	70 - 130
trans-1,3-Dichloropropene	50.0	43.8		ug/L		88	70 - 130
1,1,1-Trichloroethane	50.0	41.7		ug/L		83	70 - 130
1,1,2-Trichloroethane	50.0	52.0		ug/L		104	70 - 130
Trichloroethene	50.0	51.9		ug/L		104	70 - 130
Trichlorofluoromethane	50.0	44.0		ug/L		88	63 - 142
1,2,3-Trichloropropane	50.0	50.2		ug/L		100	70 - 130
Vinyl acetate	100	86.8		ug/L		87	67 - 135
Vinyl chloride	50.0	55.7		ug/L		111	66 - 129
Xylenes, Total	100	99.8		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	93		70 - 130
1,2-Dichloroethane-d4 (Surr)	82		60 - 124
Toluene-d8 (Surr)	104		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCSD 680-646096/4

Matrix: Water

Analysis Batch: 646096

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	246		ug/L		99	67 - 113	1	30
Acrylonitrile	500	480		ug/L		96	70 - 130	1	30
Benzene	50.0	49.5		ug/L		99	70 - 130	2	30
Bromochloromethane	50.0	48.2		ug/L		96	70 - 130	2	30
Bromodichloromethane	50.0	45.9		ug/L		92	70 - 130	1	30
Bromoform	50.0	54.1		ug/L		108	69 - 129	2	30
Bromomethane	50.0	40.8		ug/L		82	28 - 192	7	30
2-Butanone (MEK)	250	261		ug/L		104	69 - 114	2	30
Carbon disulfide	50.0	53.0		ug/L		106	70 - 130	2	30
Carbon tetrachloride	50.0	45.5		ug/L		91	70 - 130	2	30
Chlorobenzene	50.0	53.8		ug/L		108	70 - 130	3	30
Chloroethane	50.0	46.5		ug/L		93	31 - 213	5	30
Chloroform	50.0	44.3		ug/L		89	70 - 130	3	30
Chloromethane	50.0	51.4		ug/L		103	59 - 127	1	30
cis-1,2-Dichloroethene	50.0	45.5		ug/L		91	70 - 130	2	30
cis-1,3-Dichloropropene	50.0	50.2		ug/L		100	70 - 130	2	20
Dibromochloromethane	50.0	50.1		ug/L		100	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	50.0	51.8		ug/L		104	70 - 130	2	30
1,2-Dibromoethane	50.0	50.4		ug/L		101	70 - 130	1	30
Dibromomethane	50.0	45.9		ug/L		92	70 - 130	1	30
1,2-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130	1	30
1,4-Dichlorobenzene	50.0	48.6		ug/L		97	70 - 130	1	30
1,1-Dichloroethane	50.0	45.7		ug/L		91	70 - 130	2	30
1,2-Dichloroethane	50.0	41.8		ug/L		84	70 - 130	1	50
1,1-Dichloroethene	50.0	50.8		ug/L		102	70 - 130	0	20
1,2-Dichloropropane	50.0	51.1		ug/L		102	70 - 130	1	20
1,3-Dichloropropane	50.0	49.9		ug/L		100	70 - 130	1	20
Ethylbenzene	50.0	49.9		ug/L		100	70 - 130	3	20
2-Hexanone	250	229		ug/L		92	70 - 130	2	20
Iodomethane	50.0	47.6		ug/L		95	52 - 129	2	30
Methylene Chloride	50.0	48.5		ug/L		97	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	250	223		ug/L		89	68 - 108	2	30
Methyl tert-butyl ether	50.0	45.3		ug/L		91	70 - 130	1	30
Styrene	50.0	52.7		ug/L		105	70 - 130	4	30
1,1,1,2-Tetrachloroethane	50.0	53.9		ug/L		108	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	70 - 130	2	30
Tetrachloroethylene	50.0	54.5		ug/L		109	70 - 130	2	30
Toluene	50.0	50.3		ug/L		101	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	42.5		ug/L		85	67 - 112	2	30
trans-1,2-Dichloroethene	50.0	51.0		ug/L		102	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	44.6		ug/L		89	70 - 130	2	30
1,1,1-Trichloroethane	50.0	42.9		ug/L		86	70 - 130	3	30
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130	0	30
Trichloroethene	50.0	52.5		ug/L		105	70 - 130	1	30
Trichlorofluoromethane	50.0	44.0		ug/L		88	63 - 142	0	30
1,2,3-Trichloropropane	50.0	50.8		ug/L		102	70 - 130	1	30
Vinyl acetate	100	88.7		ug/L		89	67 - 135	2	30
Vinyl chloride	50.0	56.9		ug/L		114	66 - 129	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCSD 680-646096/4

Matrix: Water

Analysis Batch: 646096

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	102		ug/L		102	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
Dibromofluoromethane (Surr)	93		70 - 130
1,2-Dichloroethane-d4 (Surr)	84		60 - 124
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: 680-191752-17 MS

Matrix: Water

Analysis Batch: 646096

Client Sample ID: OLF - G07 MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	7.0	U	250	211		ug/L		84	67 - 113
Acrylonitrile	10	U	500	449		ug/L		90	70 - 130
Benzene	0.43	U	50.0	48.9		ug/L		98	70 - 130
Bromochloromethane	0.45	U	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	0.44	U	50.0	44.5		ug/L		89	70 - 130
Bromoform	0.43	U	50.0	50.0		ug/L		100	69 - 129
Bromomethane	2.5	U	50.0	27.1		ug/L		54	28 - 192
2-Butanone (MEK)	3.4	U	250	231		ug/L		92	69 - 114
Carbon disulfide	1.0	U	50.0	53.5		ug/L		107	70 - 130
Carbon tetrachloride	0.33	U	50.0	45.8		ug/L		92	70 - 130
Chlorobenzene	0.26	U	50.0	52.0		ug/L		104	70 - 130
Chloroethane	2.5	U	50.0	47.5		ug/L		95	31 - 213
Chloroform	0.50	U	50.0	43.1		ug/L		86	70 - 130
Chloromethane	0.40	U	50.0	52.9		ug/L		106	59 - 127
cis-1,2-Dichloroethene	4.3		50.0	48.9		ug/L		89	70 - 130
cis-1,3-Dichloropropene	0.40	U	50.0	48.2		ug/L		96	70 - 130
Dibromochloromethane	0.32	U	50.0	48.4		ug/L		97	70 - 130
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	46.7		ug/L		93	70 - 130
1,2-Dibromoethane	0.44	U	50.0	48.7		ug/L		97	70 - 130
Dibromomethane	0.35	U	50.0	43.7		ug/L		87	70 - 130
1,2-Dichlorobenzene	0.37	U	50.0	46.0		ug/L		92	70 - 130
1,4-Dichlorobenzene	0.46	U	50.0	47.3		ug/L		95	70 - 130
1,1-Dichloroethane	0.38	U	50.0	45.3		ug/L		91	70 - 130
1,2-Dichloroethane	0.50	U	50.0	40.3		ug/L		81	70 - 130
1,1-Dichloroethene	0.36	U	50.0	52.3		ug/L		105	70 - 130
1,2-Dichloropropane	0.67	U	50.0	50.0		ug/L		100	70 - 130
1,3-Dichloropropane	0.34	U	50.0	48.2		ug/L		96	70 - 130
Ethylbenzene	0.33	U	50.0	48.9		ug/L		98	70 - 130
2-Hexanone	2.0	U	250	209		ug/L		83	70 - 130
Iodomethane	5.0	U	50.0	45.6		ug/L		91	52 - 129
Methylene Chloride	2.5	U	50.0	47.8		ug/L		96	70 - 130
4-Methyl-2-pentanone (MIBK)	2.1	U	250	211		ug/L		85	68 - 108
Methyl tert-butyl ether	0.30	U	50.0	42.8		ug/L		86	70 - 130
Styrene	0.27	U	50.0	49.2		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	0.37	U	50.0	50.6		ug/L		101	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: 680-191752-17 MS

Matrix: Water

Analysis Batch: 646096

Client Sample ID: OLF - G07 MS

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	59		50.0	108		ug/L		98	70 - 130
Tetrachloroethylene	0.74	U	50.0	54.8		ug/L		110	70 - 130
Toluene	0.48	U	50.0	50.1		ug/L		100	70 - 130
trans-1,4-Dichloro-2-butene	0.51	U	50.0	37.5		ug/L		75	67 - 112
trans-1,2-Dichloroethene	2.3		50.0	53.1		ug/L		102	70 - 130
trans-1,3-Dichloropropene	0.42	U	50.0	41.8		ug/L		84	70 - 130
1,1,1-Trichloroethane	0.37	U	50.0	42.2		ug/L		84	70 - 130
1,1,2-Trichloroethane	0.79	J	50.0	50.3		ug/L		99	70 - 130
Trichloroethene	37		50.0	91.3		ug/L		108	70 - 130
Trichlorofluoromethane	0.42	U	50.0	45.5		ug/L		91	63 - 142
1,2,3-Trichloropropane	0.39	U	50.0	46.6		ug/L		93	70 - 130
Vinyl acetate	0.81	U	100	80.3		ug/L		80	67 - 135
Vinyl chloride	0.50	U	50.0	59.5		ug/L		119	66 - 129
Xylenes, Total	0.23	U	100	97.1		ug/L		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	91		70 - 130
1,2-Dichloroethane-d4 (Surr)	80		60 - 124
Toluene-d8 (Surr)	103		70 - 130

Lab Sample ID: 680-191752-17 MSD

Matrix: Water

Analysis Batch: 646096

Client Sample ID: OLF - G07 MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	7.0	U	250	221		ug/L		89	67 - 113	5	30
Acrylonitrile	10	U	500	458		ug/L		92	70 - 130	2	30
Benzene	0.43	U	50.0	48.4		ug/L		97	70 - 130	1	30
Bromochloromethane	0.45	U	50.0	46.8		ug/L		94	70 - 130	1	30
Bromodichloromethane	0.44	U	50.0	44.3		ug/L		89	70 - 130	0	30
Bromoform	0.43	U	50.0	51.5		ug/L		103	69 - 129	3	30
Bromomethane	2.5	U	50.0	34.4		ug/L		69	28 - 192	24	30
2-Butanone (MEK)	3.4	U	250	241		ug/L		96	69 - 114	4	30
Carbon disulfide	1.0	U	50.0	53.8		ug/L		108	70 - 130	1	30
Carbon tetrachloride	0.33	U	50.0	45.0		ug/L		90	70 - 130	2	30
Chlorobenzene	0.26	U	50.0	52.5		ug/L		105	70 - 130	1	30
Chloroethane	2.5	U	50.0	45.4		ug/L		91	31 - 213	5	30
Chloroform	0.50	U	50.0	42.4		ug/L		85	70 - 130	2	30
Chloromethane	0.40	U	50.0	52.1		ug/L		104	59 - 127	2	30
cis-1,2-Dichloroethene	4.3		50.0	47.5		ug/L		87	70 - 130	3	30
cis-1,3-Dichloropropene	0.40	U	50.0	47.4		ug/L		95	70 - 130	2	20
Dibromochloromethane	0.32	U	50.0	48.2		ug/L		96	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	50.1		ug/L		100	70 - 130	7	30
1,2-Dibromoethane	0.44	U	50.0	48.6		ug/L		97	70 - 130	0	30
Dibromomethane	0.35	U	50.0	43.6		ug/L		87	70 - 130	0	30
1,2-Dichlorobenzene	0.37	U	50.0	46.6		ug/L		93	70 - 130	1	30
1,4-Dichlorobenzene	0.46	U	50.0	48.0		ug/L		96	70 - 130	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: 680-191752-17 MSD

Matrix: Water

Analysis Batch: 646096

Client Sample ID: OLF - G07 MSD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	0.38	U	50.0	44.8		ug/L		90	70 - 130	1	30
1,2-Dichloroethane	0.50	U	50.0	39.5		ug/L		79	70 - 130	2	50
1,1-Dichloroethene	0.36	U	50.0	51.2		ug/L		102	70 - 130	2	20
1,2-Dichloropropane	0.67	U	50.0	49.3		ug/L		99	70 - 130	1	20
1,3-Dichloropropane	0.34	U	50.0	48.1		ug/L		96	70 - 130	0	20
Ethylbenzene	0.33	U	50.0	49.8		ug/L		100	70 - 130	2	20
2-Hexanone	2.0	U	250	212		ug/L		85	70 - 130	2	20
Iodomethane	5.0	U	50.0	47.5		ug/L		95	52 - 129	4	30
Methylene Chloride	2.5	U	50.0	47.3		ug/L		95	70 - 130	1	30
4-Methyl-2-pentanone (MIBK)	2.1	U	250	213		ug/L		85	68 - 108	1	30
Methyl tert-butyl ether	0.30	U	50.0	43.1		ug/L		86	70 - 130	1	30
Styrene	0.27	U	50.0	49.6		ug/L		99	70 - 130	1	30
1,1,1,2-Tetrachloroethane	0.37	U	50.0	51.3		ug/L		103	70 - 130	1	30
1,1,2,2-Tetrachloroethane	59		50.0	109		ug/L		100	70 - 130	1	30
Tetrachloroethylene	0.74	U	50.0	54.4		ug/L		109	70 - 130	1	30
Toluene	0.48	U	50.0	50.3		ug/L		101	70 - 130	0	30
trans-1,4-Dichloro-2-butene	0.51	U	50.0	40.3		ug/L		81	67 - 112	7	30
trans-1,2-Dichloroethene	2.3		50.0	52.6		ug/L		101	70 - 130	1	30
trans-1,3-Dichloropropene	0.42	U	50.0	42.0		ug/L		84	70 - 130	0	30
1,1,1-Trichloroethane	0.37	U	50.0	41.8		ug/L		84	70 - 130	1	30
1,1,2-Trichloroethane	0.79	J	50.0	50.3		ug/L		99	70 - 130	0	30
Trichloroethene	37		50.0	87.6		ug/L		101	70 - 130	4	30
Trichlorofluoromethane	0.42	U	50.0	43.4		ug/L		87	63 - 142	5	30
1,2,3-Trichloropropane	0.39	U	50.0	48.8		ug/L		98	70 - 130	5	30
Vinyl acetate	0.81	U	100	82.2		ug/L		82	67 - 135	2	30
Vinyl chloride	0.50	U	50.0	58.8		ug/L		118	66 - 129	1	30
Xylenes, Total	0.23	U	100	99.1		ug/L		99	70 - 130	2	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	88		70 - 130
1,2-Dichloroethane-d4 (Surr)	78		60 - 124
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: MB 680-646104/9

Matrix: Water

Analysis Batch: 646104

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 15:35	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 15:35	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 15:35	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 15:35	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 15:35	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 15:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 15:35	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 15:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 15:35	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: MB 680-646104/9

Matrix: Water

Analysis Batch: 646104

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 15:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 15:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 15:35	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 15:35	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 15:35	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 15:35	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 15:35	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 15:35	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 15:35	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 15:35	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 15:35	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 15:35	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 15:35	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/20 15:35	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 15:35	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 15:35	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 15:35	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 15:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 15:35	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 15:35	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 15:35	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 15:35	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 15:35	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 15:35	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 15:35	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 15:35	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 15:35	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 15:35	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 15:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 15:35	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 15:35	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 15:35	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 15:35	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 15:35	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 15:35	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 15:35	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 15:35	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 15:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 15:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 15:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130		11/28/20 15:35	1
Dibromofluoromethane (Surr)	91		70 - 130		11/28/20 15:35	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		11/28/20 15:35	1
Toluene-d8 (Surr)	97		70 - 130		11/28/20 15:35	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCS 680-646104/4

Matrix: Water

Analysis Batch: 646104

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	249		ug/L		100	67 - 113
Acrylonitrile	500	491		ug/L		98	70 - 130
Benzene	50.0	49.4		ug/L		99	70 - 130
Bromochloromethane	50.0	46.4		ug/L		93	70 - 130
Bromodichloromethane	50.0	44.0		ug/L		88	70 - 130
Bromoform	50.0	37.3		ug/L		75	69 - 129
Bromomethane	50.0	47.5		ug/L		95	28 - 192
2-Butanone (MEK)	250	253		ug/L		101	69 - 114
Carbon disulfide	50.0	49.1		ug/L		98	70 - 130
Carbon tetrachloride	50.0	44.0		ug/L		88	70 - 130
Chlorobenzene	50.0	47.1		ug/L		94	70 - 130
Chloroethane	50.0	67.0		ug/L		134	31 - 213
Chloroform	50.0	47.6		ug/L		95	70 - 130
Chloromethane	50.0	50.0		ug/L		100	59 - 127
cis-1,2-Dichloroethene	50.0	48.4		ug/L		97	70 - 130
cis-1,3-Dichloropropene	50.0	48.4		ug/L		97	70 - 130
Dibromochloromethane	50.0	41.1		ug/L		82	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	45.8		ug/L		92	70 - 130
1,2-Dibromoethane	50.0	48.1		ug/L		96	70 - 130
Dibromomethane	50.0	47.6		ug/L		95	70 - 130
1,2-Dichlorobenzene	50.0	47.3		ug/L		95	70 - 130
1,4-Dichlorobenzene	50.0	47.5		ug/L		95	70 - 130
1,1-Dichloroethane	50.0	48.3		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	47.5		ug/L		95	70 - 130
1,1-Dichloroethene	50.0	46.5		ug/L		93	70 - 130
1,2-Dichloropropane	50.0	50.6		ug/L		101	70 - 130
1,3-Dichloropropane	50.0	52.5		ug/L		105	70 - 130
Ethylbenzene	50.0	48.0		ug/L		96	70 - 130
2-Hexanone	250	236		ug/L		94	70 - 130
Iodomethane	50.0	40.3		ug/L		81	52 - 129
Methylene Chloride	50.0	46.5		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	250	237		ug/L		95	68 - 108
Methyl tert-butyl ether	50.0	46.9		ug/L		94	70 - 130
Styrene	50.0	48.1		ug/L		96	70 - 130
1,1,1,2-Tetrachloroethane	50.0	42.7		ug/L		85	70 - 130
1,1,2,2-Tetrachloroethane	50.0	48.2		ug/L		96	70 - 130
Tetrachloroethylene	50.0	47.9		ug/L		96	70 - 130
Toluene	50.0	49.8		ug/L		100	70 - 130
trans-1,4-Dichloro-2-butene	50.0	40.3		ug/L		81	67 - 112
trans-1,2-Dichloroethene	50.0	46.0		ug/L		92	70 - 130
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	70 - 130
1,1,1-Trichloroethane	50.0	46.6		ug/L		93	70 - 130
1,1,2-Trichloroethane	50.0	50.7		ug/L		101	70 - 130
Trichloroethene	50.0	47.7		ug/L		95	70 - 130
Trichlorofluoromethane	50.0	46.1		ug/L		92	63 - 142
1,2,3-Trichloropropane	50.0	46.5		ug/L		93	70 - 130
Vinyl acetate	100	106		ug/L		106	67 - 135
Vinyl chloride	50.0	48.6		ug/L		97	66 - 129

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCS 680-646104/4

Matrix: Water

Analysis Batch: 646104

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	94.0		ug/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		60 - 124
Toluene-d8 (Surr)	96		70 - 130

Lab Sample ID: LCSD 680-646104/5

Matrix: Water

Analysis Batch: 646104

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	261		ug/L		105	67 - 113	5	30
Acrylonitrile	500	487		ug/L		97	70 - 130	1	30
Benzene	50.0	50.2		ug/L		100	70 - 130	2	30
Bromochloromethane	50.0	45.7		ug/L		91	70 - 130	1	30
Bromodichloromethane	50.0	44.1		ug/L		88	70 - 130	0	30
Bromoform	50.0	36.8		ug/L		74	69 - 129	1	30
Bromomethane	50.0	45.8		ug/L		92	28 - 192	4	30
2-Butanone (MEK)	250	260		ug/L		104	69 - 114	3	30
Carbon disulfide	50.0	50.2		ug/L		100	70 - 130	2	30
Carbon tetrachloride	50.0	44.1		ug/L		88	70 - 130	0	30
Chlorobenzene	50.0	47.3		ug/L		95	70 - 130	0	30
Chloroethane	50.0	69.8		ug/L		140	31 - 213	4	30
Chloroform	50.0	48.1		ug/L		96	70 - 130	1	30
Chloromethane	50.0	51.3		ug/L		103	59 - 127	2	30
cis-1,2-Dichloroethane	50.0	47.8		ug/L		96	70 - 130	1	30
cis-1,3-Dichloropropene	50.0	48.1		ug/L		96	70 - 130	1	20
Dibromochloromethane	50.0	41.9		ug/L		84	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	45.7		ug/L		91	70 - 130	0	30
1,2-Dibromoethane	50.0	47.3		ug/L		95	70 - 130	2	30
Dibromomethane	50.0	47.3		ug/L		95	70 - 130	1	30
1,2-Dichlorobenzene	50.0	47.0		ug/L		94	70 - 130	0	30
1,4-Dichlorobenzene	50.0	46.8		ug/L		94	70 - 130	2	30
1,1-Dichloroethane	50.0	49.6		ug/L		99	70 - 130	3	30
1,2-Dichloroethane	50.0	46.6		ug/L		93	70 - 130	2	50
1,1-Dichloroethene	50.0	46.6		ug/L		93	70 - 130	0	20
1,2-Dichloropropane	50.0	50.9		ug/L		102	70 - 130	0	20
1,3-Dichloropropane	50.0	51.9		ug/L		104	70 - 130	1	20
Ethylbenzene	50.0	48.5		ug/L		97	70 - 130	1	20
2-Hexanone	250	232		ug/L		93	70 - 130	2	20
Iodomethane	50.0	37.9		ug/L		76	52 - 129	6	30
Methylene Chloride	50.0	47.6		ug/L		95	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	250	236		ug/L		94	68 - 108	1	30
Methyl tert-butyl ether	50.0	46.8		ug/L		94	70 - 130	0	30
Styrene	50.0	46.9		ug/L		94	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	41.7		ug/L		83	70 - 130	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCSD 680-646104/5

Matrix: Water

Analysis Batch: 646104

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2,2-Tetrachloroethane	50.0	47.3		ug/L		95	70 - 130	2	30
Tetrachloroethylene	50.0	47.7		ug/L		95	70 - 130	0	30
Toluene	50.0	49.8		ug/L		100	70 - 130	0	30
trans-1,4-Dichloro-2-butene	50.0	41.7		ug/L		83	67 - 112	3	30
trans-1,2-Dichloroethene	50.0	46.8		ug/L		94	70 - 130	2	30
trans-1,3-Dichloropropene	50.0	48.4		ug/L		97	70 - 130	1	30
1,1,1-Trichloroethane	50.0	46.9		ug/L		94	70 - 130	1	30
1,1,2-Trichloroethane	50.0	49.6		ug/L		99	70 - 130	2	30
Trichloroethene	50.0	48.7		ug/L		97	70 - 130	2	30
Trichlorofluoromethane	50.0	48.0		ug/L		96	63 - 142	4	30
1,2,3-Trichloropropane	50.0	47.2		ug/L		94	70 - 130	2	30
Vinyl acetate	100	99.9		ug/L		100	67 - 135	6	30
Vinyl chloride	50.0	50.4		ug/L		101	66 - 129	4	30
Xylenes, Total	100	93.3		ug/L		93	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	92		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		60 - 124
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: MB 680-646112/8

Matrix: Water

Analysis Batch: 646112

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			11/28/20 15:07	1
Acrylonitrile	10	U	20	10	ug/L			11/28/20 15:07	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/20 15:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/20 15:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/28/20 15:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/20 15:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/20 15:07	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/20 15:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/20 15:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/20 15:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/20 15:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/20 15:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/20 15:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/20 15:07	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/28/20 15:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/20 15:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/20 15:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/20 15:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/20 15:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/20 15:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/20 15:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/20 15:07	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: MB 680-646112/8

Matrix: Water

Analysis Batch: 646112

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	0.38	U	1.0	0.38	ug/L			11/28/20 15:07	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/20 15:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/20 15:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/20 15:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/20 15:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/20 15:07	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/20 15:07	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/20 15:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/20 15:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/20 15:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/20 15:07	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/20 15:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 15:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/28/20 15:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/28/20 15:07	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/20 15:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/20 15:07	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/28/20 15:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/20 15:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/20 15:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/20 15:07	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/28/20 15:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/20 15:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/20 15:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/20 15:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/20 15:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/20 15:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		11/28/20 15:07	1
Dibromofluoromethane (Surr)	91		70 - 130		11/28/20 15:07	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		11/28/20 15:07	1
Toluene-d8 (Surr)	91		70 - 130		11/28/20 15:07	1

Lab Sample ID: LCS 680-646112/3

Matrix: Water

Analysis Batch: 646112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	233		ug/L		93	67 - 113
Acrylonitrile	500	465		ug/L		93	70 - 130
Benzene	50.0	44.4		ug/L		89	70 - 130
Bromochloromethane	50.0	47.1		ug/L		94	70 - 130
Bromodichloromethane	50.0	44.2		ug/L		88	70 - 130
Bromoform	50.0	38.2		ug/L		76	69 - 129
Bromomethane	50.0	34.3		ug/L		69	28 - 192
2-Butanone (MEK)	250	213		ug/L		85	69 - 114
Carbon disulfide	50.0	43.9		ug/L		88	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCS 680-646112/3

Matrix: Water

Analysis Batch: 646112

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	44.3		ug/L		89	70 - 130
Chlorobenzene	50.0	46.5		ug/L		93	70 - 130
Chloroethane	50.0	47.0		ug/L		94	31 - 213
Chloroform	50.0	46.2		ug/L		92	70 - 130
Chloromethane	50.0	47.2		ug/L		94	59 - 127
cis-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 130
cis-1,3-Dichloropropene	50.0	44.7		ug/L		89	70 - 130
Dibromochloromethane	50.0	42.9		ug/L		86	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	43.6		ug/L		87	70 - 130
1,2-Dibromoethane	50.0	45.0		ug/L		90	70 - 130
Dibromomethane	50.0	45.4		ug/L		91	70 - 130
1,2-Dichlorobenzene	50.0	47.5		ug/L		95	70 - 130
1,4-Dichlorobenzene	50.0	47.5		ug/L		95	70 - 130
1,1-Dichloroethane	50.0	47.7		ug/L		95	70 - 130
1,2-Dichloroethane	50.0	48.4		ug/L		97	70 - 130
1,1-Dichloroethene	50.0	43.0		ug/L		86	70 - 130
1,2-Dichloropropane	50.0	47.9		ug/L		96	70 - 130
1,3-Dichloropropane	50.0	46.2		ug/L		92	70 - 130
Ethylbenzene	50.0	47.0		ug/L		94	70 - 130
2-Hexanone	250	238		ug/L		95	70 - 130
Iodomethane	50.0	28.1		ug/L		56	52 - 129
Methylene Chloride	50.0	44.4		ug/L		89	70 - 130
4-Methyl-2-pentanone (MIBK)	250	239		ug/L		96	68 - 108
Methyl tert-butyl ether	50.0	44.2		ug/L		88	70 - 130
Styrene	50.0	47.6		ug/L		95	70 - 130
1,1,1,2-Tetrachloroethane	50.0	43.8		ug/L		88	70 - 130
1,1,2,2-Tetrachloroethane	50.0	46.3		ug/L		93	70 - 130
Tetrachloroethylene	50.0	45.6		ug/L		91	70 - 130
Toluene	50.0	47.0		ug/L		94	70 - 130
trans-1,4-Dichloro-2-butene	50.0	39.1		ug/L		78	67 - 112
trans-1,2-Dichloroethene	50.0	44.6		ug/L		89	70 - 130
trans-1,3-Dichloropropene	50.0	44.3		ug/L		89	70 - 130
1,1,1-Trichloroethane	50.0	45.4		ug/L		91	70 - 130
1,1,2-Trichloroethane	50.0	44.8		ug/L		90	70 - 130
Trichloroethene	50.0	46.7		ug/L		93	70 - 130
Trichlorofluoromethane	50.0	48.3		ug/L		97	63 - 142
1,2,3-Trichloropropane	50.0	46.2		ug/L		92	70 - 130
Vinyl acetate	100	96.9		ug/L		97	67 - 135
Vinyl chloride	50.0	49.2		ug/L		98	66 - 129
Xylenes, Total	100	91.6		ug/L		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	89		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		60 - 124
Toluene-d8 (Surr)	91		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCSD 680-646112/4

Matrix: Water

Analysis Batch: 646112

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	**1	ug/L		133	67 - 113	35	30
Acrylonitrile	500	634	*1	ug/L		127	70 - 130	31	30
Benzene	50.0	45.2		ug/L		90	70 - 130	2	30
Bromochloromethane	50.0	50.0		ug/L		100	70 - 130	6	30
Bromodichloromethane	50.0	45.5		ug/L		91	70 - 130	3	30
Bromoform	50.0	44.5		ug/L		89	69 - 129	15	30
Bromomethane	50.0	37.6		ug/L		75	28 - 192	9	30
2-Butanone (MEK)	250	303	**1	ug/L		121	69 - 114	35	30
Carbon disulfide	50.0	44.2		ug/L		88	70 - 130	1	30
Carbon tetrachloride	50.0	44.1		ug/L		88	70 - 130	0	30
Chlorobenzene	50.0	47.9		ug/L		96	70 - 130	3	30
Chloroethane	50.0	46.2		ug/L		92	31 - 213	2	30
Chloroform	50.0	46.6		ug/L		93	70 - 130	1	30
Chloromethane	50.0	47.3		ug/L		95	59 - 127	0	30
cis-1,2-Dichloroethene	50.0	48.0		ug/L		96	70 - 130	1	30
cis-1,3-Dichloropropene	50.0	46.6		ug/L		93	70 - 130	4	20
Dibromochloromethane	50.0	46.5		ug/L		93	70 - 130	8	30
1,2-Dibromo-3-Chloropropane	50.0	56.7		ug/L		113	70 - 130	26	30
1,2-Dibromoethane	50.0	51.9		ug/L		104	70 - 130	14	30
Dibromomethane	50.0	49.7		ug/L		99	70 - 130	9	30
1,2-Dichlorobenzene	50.0	48.5		ug/L		97	70 - 130	2	30
1,4-Dichlorobenzene	50.0	48.0		ug/L		96	70 - 130	1	30
1,1-Dichloroethane	50.0	48.1		ug/L		96	70 - 130	1	30
1,2-Dichloroethane	50.0	52.3		ug/L		105	70 - 130	8	50
1,1-Dichloroethene	50.0	42.9		ug/L		86	70 - 130	0	20
1,2-Dichloropropane	50.0	48.8		ug/L		98	70 - 130	2	20
1,3-Dichloropropane	50.0	51.6		ug/L		103	70 - 130	11	20
Ethylbenzene	50.0	47.6		ug/L		95	70 - 130	1	20
2-Hexanone	250	324	*1	ug/L		130	70 - 130	31	20
Iodomethane	50.0	26.1		ug/L		52	52 - 129	8	30
Methylene Chloride	50.0	45.6		ug/L		91	70 - 130	3	30
4-Methyl-2-pentanone (MIBK)	250	319	*	ug/L		128	68 - 108	29	30
Methyl tert-butyl ether	50.0	50.4		ug/L		101	70 - 130	13	30
Styrene	50.0	48.6		ug/L		97	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	45.5		ug/L		91	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	56.5		ug/L		113	70 - 130	20	30
Tetrachloroethylene	50.0	44.7		ug/L		89	70 - 130	2	30
Toluene	50.0	47.2		ug/L		94	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	50.9		ug/L		102	67 - 112	26	30
trans-1,2-Dichloroethene	50.0	45.2		ug/L		90	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	47.5		ug/L		95	70 - 130	7	30
1,1,1-Trichloroethane	50.0	45.8		ug/L		92	70 - 130	1	30
1,1,2-Trichloroethane	50.0	50.3		ug/L		101	70 - 130	11	30
Trichloroethene	50.0	46.5		ug/L		93	70 - 130	0	30
Trichlorofluoromethane	50.0	48.5		ug/L		97	63 - 142	0	30
1,2,3-Trichloropropane	50.0	59.9		ug/L		120	70 - 130	26	30
Vinyl acetate	100	112		ug/L		112	67 - 135	15	30
Vinyl chloride	50.0	49.2		ug/L		98	66 - 129	0	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCSD 680-646112/4

Matrix: Water

Analysis Batch: 646112

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	93.4		ug/L		93	70 - 130	2	30
Surrogate									
	%Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	91		70 - 130						
Dibromofluoromethane (Surr)	91		70 - 130						
1,2-Dichloroethane-d4 (Surr)	98		60 - 124						
Toluene-d8 (Surr)	91		70 - 130						

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-645970/8

Matrix: Water

Analysis Batch: 645970

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.29	U	0.58	0.29	ug/L			11/27/20 13:55	1
Ethane	0.55	U	1.1	0.55	ug/L			11/27/20 13:55	1
Ethene	0.50	U	1.0	0.50	ug/L			11/27/20 13:55	1
Methane (TCD)	39	U	390	39	ug/L			11/27/20 13:55	1

Lab Sample ID: LCS 680-645970/3

Matrix: Water

Analysis Batch: 645970

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: LCS 680-645970/6

Matrix: Water

Analysis Batch: 645970

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methane	154	153		ug/L		99	75 - 125		
Ethane	288	271		ug/L		94	75 - 125		
Ethene	269	249		ug/L		93	75 - 125		

Lab Sample ID: LCSD 680-645970/4

Matrix: Water

Analysis Batch: 645970

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	4	30

Lab Sample ID: LCSD 680-645970/7

Matrix: Water

Analysis Batch: 645970

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	154		ug/L		100	75 - 125	1	30
Ethane	288	273		ug/L		95	75 - 125	1	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-191752-1

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

Lab Sample ID: LCSD 680-645970/7

Matrix: Water

Analysis Batch: 645970

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
Ethene	269	250		ug/L		93	75 - 125	0	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-645623/3

Matrix: Water

Analysis Batch: 645623

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			11/23/20 11:58	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/23/20 11:58	1

Lab Sample ID: LCS 680-645623/4

Matrix: Water

Analysis Batch: 645623

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.5		mg/L		98	80 - 120
Total Organic Carbon - Quad	20.0	19.5		mg/L		98	80 - 120
TOC Result 1	20.0	19.6		mg/L		98	80 - 120
TOC Result 2	20.0	19.3		mg/L		97	80 - 120
TOC Result 3	20.0	19.8		mg/L		99	80 - 120
TOC Result 4	20.0	19.4		mg/L		97	80 - 120

Lab Sample ID: LCSD 680-645623/5

Matrix: Water

Analysis Batch: 645623

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
Total Organic Carbon	20.0	19.7		mg/L		98	80 - 120	1	25
Total Organic Carbon - Quad	20.0	19.7		mg/L		98	80 - 120	1	25
TOC Result 1	20.0	20.2		mg/L		101	80 - 120	3	25
TOC Result 2	20.0	19.4		mg/L		97	80 - 120	1	25
TOC Result 3	20.0	19.5		mg/L		98	80 - 120	1	25
TOC Result 4	20.0	19.5		mg/L		97	80 - 120	0	25

QC Association Summary

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

Job ID: 680-191752-1

GC/MS VOA

Analysis Batch: 645722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191752-1	OLF - G52	Total/NA	Water	8260B	
680-191752-6	OLF - G24	Total/NA	Water	8260B	
680-191752-8	OLF - G19	Total/NA	Water	8260B	
680-191752-11	OLF - G18	Total/NA	Water	8260B	
680-191752-12	OLF - G43	Total/NA	Water	8260B	
MB 680-645722/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645722/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645722/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 645728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191752-14	OLF - G48	Total/NA	Water	8260B	
680-191752-15	OLF - G47	Total/NA	Water	8260B	
680-191752-19	OLF - G12	Total/NA	Water	8260B	
MB 680-645728/8	Method Blank	Total/NA	Water	8260B	
LCS 680-645728/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-645728/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 646096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191752-17	OLF - G07	Total/NA	Water	8260B	
MB 680-646096/8	Method Blank	Total/NA	Water	8260B	
LCS 680-646096/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-646096/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-191752-17 MS	OLF - G07 MS	Total/NA	Water	8260B	
680-191752-17 MSD	OLF - G07 MSD	Total/NA	Water	8260B	

Analysis Batch: 646104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191752-9	OLF - G49	Total/NA	Water	8260B	
680-191752-10	OLF - G21	Total/NA	Water	8260B	
680-191752-13	OLF - G26	Total/NA	Water	8260B	
680-191752-18	OLF - G23	Total/NA	Water	8260B	
680-191752-20	EB136	Total/NA	Water	8260B	
680-191752-21	Material 106	Total/NA	Water	8260B	
680-191752-22	TB571	Total/NA	Water	8260B	
MB 680-646104/9	Method Blank	Total/NA	Water	8260B	
LCS 680-646104/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-646104/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 646112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191752-2	OLF - G22	Total/NA	Water	8260B	
680-191752-3	OLF - G36	Total/NA	Water	8260B	
680-191752-4	OLF - G35	Total/NA	Water	8260B	
680-191752-5	OLF - G51	Total/NA	Water	8260B	
680-191752-7	OLF - G50	Total/NA	Water	8260B	
680-191752-16	OLF - G20	Total/NA	Water	8260B	
MB 680-646112/8	Method Blank	Total/NA	Water	8260B	
LCS 680-646112/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-646112/4	Lab Control Sample Dup	Total/NA	Water	8260B	

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QC Association Summary

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

Job ID: 680-191752-1

GC VOA

Analysis Batch: 645970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191752-18	OLF - G23	Total/NA	Water	RSK-175	
680-191752-19	OLF - G12	Total/NA	Water	RSK-175	
680-191752-20	EB136	Total/NA	Water	RSK-175	
680-191752-21	Material 106	Total/NA	Water	RSK-175	
MB 680-645970/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-645970/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-645970/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-645970/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-645970/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 645623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-191752-20	EB136	Total/NA	Water	9060A	
680-191752-21	Material 106	Total/NA	Water	9060A	
MB 680-645623/3	Method Blank	Total/NA	Water	9060A	
LCS 680-645623/4	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-645623/5	Lab Control Sample Dup	Total/NA	Water	9060A	

Lab Chronicle

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

Job ID: 680-191752-1

Client Sample ID: OLF - G52

Lab Sample ID: 680-191752-1

Date Collected: 11/16/20 08:50

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	645722	11/25/20 13:56	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF - G22

Lab Sample ID: 680-191752-2

Date Collected: 11/17/20 13:40

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646112	11/28/20 17:25	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF - G36

Lab Sample ID: 680-191752-3

Date Collected: 11/17/20 12:00

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646112	11/28/20 17:48	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF - G35

Lab Sample ID: 680-191752-4

Date Collected: 11/17/20 08:45

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646112	11/28/20 18:11	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF - G51

Lab Sample ID: 680-191752-5

Date Collected: 11/17/20 15:06

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646112	11/28/20 18:34	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF - G24

Lab Sample ID: 680-191752-6

Date Collected: 11/16/20 09:26

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	645722	11/25/20 14:21	P1C	TAL SAV
Instrument ID: CMSAA										

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Lab Chronicle

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

Job ID: 680-191752-1

Client Sample ID: OLF - G50

Lab Sample ID: 680-191752-7

Date Collected: 11/17/20 16:06

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646112	11/28/20 18:57	Y1S	TAL SAV
Instrument ID: CMSA										

Client Sample ID: OLF - G19

Lab Sample ID: 680-191752-8

Date Collected: 11/16/20 13:41

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	645722	11/25/20 14:47	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF - G49

Lab Sample ID: 680-191752-9

Date Collected: 11/17/20 12:16

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646104	11/28/20 16:11	P1C	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF - G21

Lab Sample ID: 680-191752-10

Date Collected: 11/17/20 08:51

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646104	11/28/20 16:35	P1C	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF - G18

Lab Sample ID: 680-191752-11

Date Collected: 11/16/20 15:31

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	645722	11/25/20 15:13	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF - G43

Lab Sample ID: 680-191752-12

Date Collected: 11/16/20 14:55

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	645722	11/25/20 15:38	P1C	TAL SAV
Instrument ID: CMSAA										

Lab Chronicle

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

Job ID: 680-191752-1

Client Sample ID: OLF - G26

Date Collected: 11/17/20 10:36

Date Received: 11/19/20 09:50

Lab Sample ID: 680-191752-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	646104	11/28/20 16:59	P1C	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF - G48

Date Collected: 11/16/20 13:25

Date Received: 11/19/20 09:50

Lab Sample ID: 680-191752-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645728	11/25/20 14:03	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF - G47

Date Collected: 11/16/20 11:30

Date Received: 11/19/20 09:50

Lab Sample ID: 680-191752-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	645728	11/25/20 14:27	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF - G20

Date Collected: 11/18/20 09:06

Date Received: 11/19/20 09:50

Lab Sample ID: 680-191752-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	646112	11/28/20 19:20	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF - G07

Date Collected: 11/18/20 08:11

Date Received: 11/19/20 09:50

Lab Sample ID: 680-191752-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	646096	11/28/20 21:35	UI	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF - G23

Date Collected: 11/17/20 10:10

Date Received: 11/19/20 09:50

Lab Sample ID: 680-191752-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	646104	11/28/20 17:23	P1C	TAL SAV
Instrument ID: CMSO2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645970	11/27/20 16:20	DBM	TAL SAV
Instrument ID: CVGU										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-191752-1

Client Sample ID: OLF - G12

Lab Sample ID: 680-191752-19

Date Collected: 11/16/20 11:21

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	645728	11/25/20 14:50	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645970	11/27/20 16:33	DBM	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: EB136

Lab Sample ID: 680-191752-20

Date Collected: 11/18/20 14:00

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646104	11/28/20 17:47	P1C	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645970	11/27/20 16:46	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645623	11/23/20 15:46	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: Material 106

Lab Sample ID: 680-191752-21

Date Collected: 11/18/20 14:15

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646104	11/28/20 18:11	P1C	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	645970	11/27/20 16:59	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	645623	11/23/20 16:03	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: TB571

Lab Sample ID: 680-191752-22

Date Collected: 11/18/20 14:31

Matrix: Water

Date Received: 11/19/20 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	8260B		1	5 mL	5 mL	646104	11/28/20 18:35	P1C	TAL SAV
		Instrument ID: CMSO2								

Laboratory References:

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: 680-191752-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-21

- 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: 680-191752-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL SAV
5030B	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

COC 6229

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 # 20.094.21-05.3.500
 Lab contract:

Cooler ID Cooler 1 of 1
 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-G52	NS	MW	Water	Grab		11/16/20	08:50	X			
OLF-G22	NS	MW	Water	Grab		11/17/20	13:40	X			
OLF-G36	NS	MW	Water	Grab		11/17/20	12:00	X			
OLF-G35	NS	MW	Water	Grab		11/17/20	08:45	X			
OLF-G51	NS	MW	Water	Grab		11/17/20	15:06	X			
OLF-G24	NS	MW	Water	Grab		11/16/20	09:26	X			
OLF-G50	NS	MW	Water	Grab		11/17/20	16:06	X			
OLF-G19	NS	MW	Water	Grab		11/16/20	13:41	X			
OLF-G49	NS	MW	Water	Grab		11/17/20	12:16	X			
OLF-G21	NS	MW	Water	Grab		11/17/20	08:51	X			
OLF-G18	NS	MW	Water	Grab		11/16/20	15:31	X			
OLF-G43	NS	MW	Water	Grab		11/16/20	14:55	X			
OLF-G26	NS	MW	Water	Grab		11/17/20	10:36	X			
OLF-G48	NS	MW	Water	Grab		11/16/20	13:25	X			
OLF-G47	NS	MW	Water	Grab		11/16/20	11:30	X			
OLF-G20	NS	MW	Water	Grab		11/18/20	9:06	X			
OLF-G07	NS	MW	Water	Grab	X	11/18/20	8:11	X			
OLF-G23	NS	MW	Water	Grab		11/17/20	10:10	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
 See Task Order 093 for required list of VOCs and metals.

Double the number of bottles for MS/MSD

COMMENTS:

Relinquished by (Signature):

Date/Time:

Received by (Signature):

FedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

11/19/20 750
 3.0/3.3

2 of 2

Samplers Signature

NOTES:

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

Date/Time:

Date/Time: 0606/18/11 00:00

Received by (Signature):

FedEx

Date/Time:

Received by (Signature):

Received by (Signature):  7A 11-19-20 550

3.0/3.3

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-191752-1

Login Number: 191752

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	

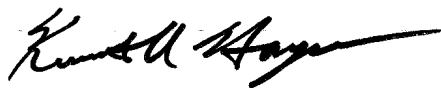
ANALYTICAL REPORT

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

Laboratory Job ID: 680-198812-1
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:
5/20/2021 12:51:38 PM

Ken Hayes, Project Manager II
(615)301-5035
Ken.Hayes@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

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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: 680-198812-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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.
⌘	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: 680-198812-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-198812-1	OLF-G73 Port 1	Water	05/10/21 10:30	05/13/21 09:30	
680-198812-2	OLF-G73 Port 2	Water	05/10/21 10:55	05/13/21 09:30	
680-198812-3	OLF-G73 Port 3	Water	05/10/21 11:20	05/13/21 09:30	
680-198812-4	OLF-G73 Port 4	Water	05/10/21 11:55	05/13/21 09:30	
680-198812-5	OLF-G73 Port 5	Water	05/10/21 12:10	05/13/21 09:30	
680-198812-6	OLF-G74 Port 1	Water	05/10/21 14:20	05/13/21 09:30	
680-198812-7	OLF-G74 Port 2	Water	05/10/21 14:45	05/13/21 09:30	
680-198812-8	OLF-G74 Port 3	Water	05/10/21 15:05	05/13/21 09:30	
680-198812-9	OLF-G74 Port 4	Water	05/10/21 15:30	05/13/21 09:30	
680-198812-10	OLF-G74 Port 5	Water	05/10/21 15:55	05/13/21 09:30	
680-198812-11	OLF-G43	Water	05/07/21 12:46	05/13/21 09:30	
680-198812-12	OLF-G18	Water	05/06/21 14:05	05/13/21 09:30	
680-198812-13	OLF-G70	Water	05/07/21 10:41	05/13/21 09:30	
680-198812-14	OLF-G35	Water	05/06/21 13:56	05/13/21 09:30	
680-198812-15	DUP376	Water	05/10/21 00:00	05/13/21 09:30	
680-198812-16	OLF-G47	Water	05/06/21 09:11	05/13/21 09:30	
680-198812-17	OLF-G48	Water	05/06/21 10:25	05/13/21 09:30	
680-198812-18	OLF-G31	Water	05/10/21 11:30	05/13/21 09:30	
680-198812-19	OLF-G19	Water	05/06/21 12:45	05/13/21 09:30	
680-198812-20	OLF-G36	Water	05/07/21 09:01	05/13/21 09:30	
680-198812-21	OLF-G24	Water	05/07/21 11:50	05/13/21 09:30	
680-198812-22	OLF-G22	Water	05/06/21 09:10	05/13/21 09:30	
680-198812-23	OLF-G23	Water	05/07/21 10:05	05/13/21 09:30	
680-198812-24	PPMP-229-GP12	Water	05/07/21 13:25	05/13/21 09:30	
680-198812-25	OLF-G26	Water	05/10/21 15:55	05/13/21 09:30	
680-198812-26	OLF-G21	Water	05/06/21 15:30	05/13/21 09:30	
680-198812-27	TB578	Water	05/12/21 02:45	05/13/21 09:30	

Case Narrative

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

Job ID: 680-198812-1

Job ID: 680-198812-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-198812-1

Comments

No additional comments.

Receipt

The samples were received on 5/13/2021 9:30 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 8260B: The laboratory control sample (LCS) for analytical batch 680-668573 recovered outside control limits for the following analytes: trans-1,4-Dichloro-2-butene, Acetone, 4-Methyl-2-pentanone (MIBK), 2-Butanone (MEK) 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 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 680-668573 recovered outside control limits for the following analyte: Dichlorodifluoromethane. Dichlorodifluoromethane 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 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668573.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668547.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-668588 recovered outside control limits for the following analytes: 2-Butanone (MEK), 4-Methyl-2-pentanone (MIBK), Acetone, Methylene Chloride and Naphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 680-668588 recovered outside control limits for the following analytes: Dichlorodifluoromethane, Methylene Chloride and Naphthalene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 680-668547 recovered outside control limits for the following analytes: trans-1,4-Dichloro-2-butene. This analyte was biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668588.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668555.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668580.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-668580 recovered outside control limits for the following analyte: trans-1,4-Dichloro-2-butene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-668857 recovered outside control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Case Narrative

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

Job ID: 680-198812-1

Job ID: 680-198812-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Method 8260B: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): TB578 (680-198812-27).

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

HPLC/IC

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

GC Semi VOA

No analytical or quality issues were noted, other than those described 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: 680-198812-1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-198812-1

Date Collected: 05/10/21 10:30

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *+	10	7.0	ug/L			05/14/21 20:24	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 20:24	1
Benzene	0.73	J	1.0	0.43	ug/L			05/14/21 20:24	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 20:24	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 20:24	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 20:24	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 20:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 20:24	1
2-Butanone (MEK)	3.4	U *+	10	3.4	ug/L			05/14/21 20:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 20:24	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 20:24	1
Chlorobenzene	80		1.0	0.26	ug/L			05/14/21 20:24	1
Chloroethane	19		5.0	2.5	ug/L			05/14/21 20:24	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 20:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 20:24	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 20:24	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 20:24	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 20:24	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 20:24	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 20:24	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 20:24	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 20:24	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 20:24	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 20:24	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 20:24	1
1,4-Dichlorobenzene	0.50	J	1.0	0.46	ug/L			05/14/21 20:24	1
Dichlorodifluoromethane	0.60	U *+	1.0	0.60	ug/L			05/14/21 20:24	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 20:24	1
1,2-Dichloroethane	2.2		1.0	0.50	ug/L			05/14/21 20:24	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 20:24	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 20:24	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 20:24	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 20:24	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 20:24	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 20:24	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 20:24	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 20:24	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 20:24	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 20:24	1
Methylene Chloride	2.5	U *+	5.0	2.5	ug/L			05/14/21 20:24	1
4-Methyl-2-pentanone (MIBK)	2.1	U *+	10	2.1	ug/L			05/14/21 20:24	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 20:24	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 20:24	1
Naphthalene	2.5	U *+	5.0	2.5	ug/L			05/14/21 20:24	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 20:24	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 20:24	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 20:24	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 20:24	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 20:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-198812-1

Date Collected: 05/10/21 10:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 20:24	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 20:24	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 20:24	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 20:24	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 20:24	1
Toluene	4.0		1.0	0.48	ug/L			05/14/21 20:24	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 20:24	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 20:24	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 20:24	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 20:24	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 20:24	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 20:24	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 20:24	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 20:24	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 20:24	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 20:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 20:24	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 20:24	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 20:24	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 20:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 20:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		05/14/21 20:24	1
Dibromofluoromethane (Surr)	102		70 - 130		05/14/21 20:24	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		05/14/21 20:24	1
Toluene-d8 (Surr)	104		70 - 130		05/14/21 20:24	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	53		1.1	0.30	ug/L			05/17/21 16:29	1
Ethene	60		1.0	0.31	ug/L			05/17/21 16:29	1
Methane (TCD)	13000		390	59	ug/L			05/17/21 16:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.6		1.0	0.50	mg/L			05/18/21 09:23	1
Total Organic Carbon - Quad	1.6		1.0	0.50	mg/L			05/18/21 09:23	1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-198812-2

Date Collected: 05/10/21 10:55

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			05/14/21 16:57	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 16:57	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 16:57	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 16:57	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 16:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-198812-2

Date Collected: 05/10/21 10:55

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 16:57	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 16:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 16:57	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			05/14/21 16:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 16:57	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 16:57	1
Chlorobenzene	5.8		1.0	0.26	ug/L			05/14/21 16:57	1
Chloroethane	6.1		5.0	2.5	ug/L			05/14/21 16:57	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 16:57	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 16:57	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 16:57	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 16:57	1
cis-1,2-Dichloroethene	0.81	J	1.0	0.41	ug/L			05/14/21 16:57	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 16:57	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 16:57	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 16:57	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 16:57	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 16:57	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 16:57	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 16:57	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 16:57	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			05/14/21 16:57	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 16:57	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 16:57	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 16:57	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 16:57	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 16:57	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 16:57	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 16:57	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 16:57	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 16:57	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 16:57	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 16:57	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 16:57	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 16:57	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			05/14/21 16:57	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 16:57	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 16:57	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 16:57	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 16:57	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 16:57	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 16:57	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 16:57	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 16:57	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 16:57	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 16:57	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 16:57	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 16:57	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 16:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-198812-2

Date Collected: 05/10/21 10:55

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	16		1.0	0.48	ug/L			05/14/21 16:57	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 16:57	1
trans-1,2-Dichloroethene	2.4		1.0	0.37	ug/L			05/14/21 16:57	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 16:57	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 16:57	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 16:57	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 16:57	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 16:57	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 16:57	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 16:57	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 16:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 16:57	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 16:57	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 16:57	1
Vinyl acetate	0.81	U *+	2.0	0.81	ug/L			05/14/21 16:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 16:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		05/14/21 16:57	1
Dibromofluoromethane (Surr)	92		70 - 130		05/14/21 16:57	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/14/21 16:57	1
Toluene-d8 (Surr)	94		70 - 130		05/14/21 16:57	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	9.9		1.1	0.30	ug/L			05/17/21 16:42	1
Ethene	12		1.0	0.31	ug/L			05/17/21 16:42	1
Methane (TCD)	8200		390	59	ug/L			05/17/21 16:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.3		1.0	0.50	mg/L			05/18/21 09:44	1
Total Organic Carbon - Quad	2.3		1.0	0.50	mg/L			05/18/21 09:44	1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-198812-3

Date Collected: 05/10/21 11:20

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *+	10	7.0	ug/L			05/14/21 17:19	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 17:19	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 17:19	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 17:19	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 17:19	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 17:19	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 17:19	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 17:19	1
2-Butanone (MEK)	3.4	U *+	10	3.4	ug/L			05/14/21 17:19	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 17:19	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-198812-3

Date Collected: 05/10/21 11:20

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 17:19	1
Chlorobenzene	2.4		1.0	0.26	ug/L			05/14/21 17:19	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 17:19	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 17:19	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 17:19	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 17:19	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 17:19	1
cis-1,2-Dichloroethene	9.8		1.0	0.41	ug/L			05/14/21 17:19	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 17:19	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 17:19	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 17:19	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 17:19	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 17:19	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 17:19	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 17:19	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 17:19	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			05/14/21 17:19	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 17:19	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 17:19	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 17:19	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 17:19	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 17:19	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 17:19	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 17:19	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 17:19	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 17:19	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 17:19	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 17:19	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 17:19	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 17:19	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			05/14/21 17:19	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 17:19	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 17:19	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 17:19	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 17:19	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 17:19	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 17:19	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 17:19	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 17:19	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 17:19	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 17:19	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 17:19	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 17:19	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 17:19	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 17:19	1
trans-1,4-Dichloro-2-butene	0.51	U *	2.0	0.51	ug/L			05/14/21 17:19	1
trans-1,2-Dichloroethene	5.1		1.0	0.37	ug/L			05/14/21 17:19	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 17:19	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 17:19	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-198812-3

Date Collected: 05/10/21 11:20

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 17:19	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 17:19	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 17:19	1
Trichloroethene	30		1.0	0.48	ug/L			05/14/21 17:19	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 17:19	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 17:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 17:19	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 17:19	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 17:19	1
Vinyl acetate	0.81	U *	2.0	0.81	ug/L			05/14/21 17:19	1
Vinyl chloride	1.7		1.0	0.50	ug/L			05/14/21 17:19	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130		05/14/21 17:19	1
Dibromofluoromethane (Surr)	93		70 - 130		05/14/21 17:19	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/14/21 17:19	1
Toluene-d8 (Surr)	94		70 - 130		05/14/21 17:19	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			05/17/21 16:55	1
Ethene	12		1.0	0.31	ug/L			05/17/21 16:55	1
Methane (TCD)	4800		390	59	ug/L			05/17/21 16:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.2		1.0	0.50	mg/L			05/18/21 10:02	1
Total Organic Carbon - Quad	1.2		1.0	0.50	mg/L			05/18/21 10:02	1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-198812-4

Date Collected: 05/10/21 11:55

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			05/14/21 17:42	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 17:42	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 17:42	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 17:42	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 17:42	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 17:42	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 17:42	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 17:42	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			05/14/21 17:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 17:42	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 17:42	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 17:42	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 17:42	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 17:42	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 17:42	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-198812-4

Date Collected: 05/10/21 11:55

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 17:42	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 17:42	1
cis-1,2-Dichloroethene	1.1		1.0	0.41	ug/L			05/14/21 17:42	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 17:42	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 17:42	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 17:42	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 17:42	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 17:42	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 17:42	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 17:42	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 17:42	1
Dichlorodifluoromethane	0.60	U *+	1.0	0.60	ug/L			05/14/21 17:42	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 17:42	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 17:42	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 17:42	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 17:42	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 17:42	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 17:42	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 17:42	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 17:42	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 17:42	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 17:42	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 17:42	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 17:42	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 17:42	1
4-Methyl-2-pentanone (MIBK)	2.1	U *+	10	2.1	ug/L			05/14/21 17:42	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 17:42	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 17:42	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 17:42	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 17:42	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 17:42	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 17:42	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 17:42	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 17:42	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 17:42	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 17:42	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 17:42	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 17:42	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 17:42	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 17:42	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 17:42	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 17:42	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 17:42	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 17:42	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 17:42	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 17:42	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 17:42	1
Trichloroethene	2.8		1.0	0.48	ug/L			05/14/21 17:42	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 17:42	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-198812-4

Date Collected: 05/10/21 11:55

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 17:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 17:42	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 17:42	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 17:42	1
Vinyl acetate	0.81	U *	2.0	0.81	ug/L			05/14/21 17:42	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 17:42	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		05/14/21 17:42	1
Dibromofluoromethane (Surr)	95		70 - 130		05/14/21 17:42	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		05/14/21 17:42	1
Toluene-d8 (Surr)	95		70 - 130		05/14/21 17:42	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			05/17/21 17:08	1
Ethene	3.2		1.0	0.31	ug/L			05/17/21 17:08	1
Methane (TCD)	2200		390	59	ug/L			05/17/21 17:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.94	J	1.0	0.50	mg/L			05/18/21 10:20	1
Total Organic Carbon - Quad	0.94	J	1.0	0.50	mg/L			05/18/21 10:20	1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-198812-5

Date Collected: 05/10/21 12:10

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			05/14/21 18:05	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 18:05	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 18:05	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 18:05	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 18:05	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 18:05	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 18:05	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 18:05	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			05/14/21 18:05	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 18:05	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 18:05	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 18:05	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 18:05	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 18:05	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 18:05	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 18:05	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 18:05	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 18:05	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 18:05	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 18:05	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-198812-5

Date Collected: 05/10/21 12:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 18:05	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 18:05	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 18:05	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 18:05	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 18:05	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 18:05	1
Dichlorodifluoromethane	0.60	U **	1.0	0.60	ug/L			05/14/21 18:05	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 18:05	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 18:05	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 18:05	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 18:05	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 18:05	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 18:05	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 18:05	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 18:05	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 18:05	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 18:05	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 18:05	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 18:05	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 18:05	1
4-Methyl-2-pentanone (MIBK)	2.1	U **	10	2.1	ug/L			05/14/21 18:05	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 18:05	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 18:05	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 18:05	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 18:05	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 18:05	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 18:05	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 18:05	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 18:05	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 18:05	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 18:05	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 18:05	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 18:05	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 18:05	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 18:05	1
trans-1,4-Dichloro-2-butene	0.51	U **	2.0	0.51	ug/L			05/14/21 18:05	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 18:05	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 18:05	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 18:05	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 18:05	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 18:05	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 18:05	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 18:05	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 18:05	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 18:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 18:05	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 18:05	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 18:05	1
Vinyl acetate	0.81	U **	2.0	0.81	ug/L			05/14/21 18:05	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-198812-5

Date Collected: 05/10/21 12:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 18:05	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130					05/14/21 18:05	1
Dibromofluoromethane (Surr)	93		70 - 130					05/14/21 18:05	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124					05/14/21 18:05	1
Toluene-d8 (Surr)	95		70 - 130					05/14/21 18:05	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			05/17/21 17:21	1
Ethene	2.4		1.0	0.31	ug/L			05/17/21 17:21	1
Methane (TCD)	1800		390	59	ug/L			05/17/21 17:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.0		1.0	0.50	mg/L			05/18/21 10:38	1
Total Organic Carbon - Quad	1.0		1.0	0.50	mg/L			05/18/21 10:38	1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-198812-6

Date Collected: 05/10/21 14:20

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	26	*+	10	7.0	ug/L			05/14/21 18:28	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 18:28	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 18:28	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 18:28	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 18:28	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 18:28	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 18:28	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 18:28	1
2-Butanone (MEK)	3.4	U *+	10	3.4	ug/L			05/14/21 18:28	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 18:28	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 18:28	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 18:28	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 18:28	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 18:28	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 18:28	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 18:28	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 18:28	1
cis-1,2-Dichloroethene	4.0		1.0	0.41	ug/L			05/14/21 18:28	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 18:28	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 18:28	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 18:28	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 18:28	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 18:28	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 18:28	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 18:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-198812-6

Date Collected: 05/10/21 14:20

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 18:28	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			05/14/21 18:28	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 18:28	1
1,2-Dichloroethane	0.84	J	1.0	0.50	ug/L			05/14/21 18:28	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 18:28	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 18:28	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 18:28	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 18:28	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 18:28	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 18:28	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 18:28	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 18:28	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 18:28	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 18:28	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 18:28	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			05/14/21 18:28	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 18:28	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 18:28	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 18:28	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 18:28	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 18:28	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 18:28	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 18:28	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 18:28	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 18:28	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 18:28	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 18:28	1
1,1,2,2-Tetrachloroethane	1.9		1.0	0.62	ug/L			05/14/21 18:28	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 18:28	1
Toluene	15		1.0	0.48	ug/L			05/14/21 18:28	1
trans-1,4-Dichloro-2-butene	0.51	U *	2.0	0.51	ug/L			05/14/21 18:28	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 18:28	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 18:28	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 18:28	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 18:28	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 18:28	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 18:28	1
Trichloroethene	1.4		1.0	0.48	ug/L			05/14/21 18:28	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 18:28	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 18:28	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 18:28	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 18:28	1
Vinyl acetate	0.81	U *	2.0	0.81	ug/L			05/14/21 18:28	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 18:28	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		05/14/21 18:28	1
Dibromofluoromethane (Surr)	94		70 - 130		05/14/21 18:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-198812-6

Date Collected: 05/10/21 14:20

Matrix: Water

Date Received: 05/13/21 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/14/21 18:28	1
Toluene-d8 (Surr)	94		70 - 130		05/14/21 18:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.7		1.0	0.50	mg/L			05/18/21 10:56	1
Total Organic Carbon - Quad	1.7		1.0	0.50	mg/L			05/18/21 10:56	1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-198812-7

Date Collected: 05/10/21 14:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.8	J **	10	7.0	ug/L			05/14/21 18:50	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 18:50	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 18:50	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 18:50	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 18:50	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 18:50	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 18:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 18:50	1
2-Butanone (MEK)	3.4	U **	10	3.4	ug/L			05/14/21 18:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 18:50	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 18:50	1
Chlorobenzene	6.6		1.0	0.26	ug/L			05/14/21 18:50	1
Chloroethane	5.5		5.0	2.5	ug/L			05/14/21 18:50	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 18:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 18:50	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 18:50	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 18:50	1
cis-1,2-Dichloroethene	40		1.0	0.41	ug/L			05/14/21 18:50	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 18:50	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 18:50	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 18:50	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 18:50	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 18:50	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 18:50	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 18:50	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 18:50	1
Dichlorodifluoromethane	0.60	U **	1.0	0.60	ug/L			05/14/21 18:50	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 18:50	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 18:50	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 18:50	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 18:50	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 18:50	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 18:50	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 18:50	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 18:50	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 18:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-198812-7

Date Collected: 05/10/21 14:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 18:50	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 18:50	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 18:50	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 18:50	1
4-Methyl-2-pentanone (MIBK)	2.1	U *+	10	2.1	ug/L			05/14/21 18:50	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 18:50	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 18:50	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 18:50	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 18:50	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 18:50	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 18:50	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 18:50	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 18:50	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 18:50	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 18:50	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 18:50	1
1,1,2,2-Tetrachloroethane	19		1.0	0.62	ug/L			05/14/21 18:50	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 18:50	1
Toluene	6.9		1.0	0.48	ug/L			05/14/21 18:50	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 18:50	1
trans-1,2-Dichloroethene	29		1.0	0.37	ug/L			05/14/21 18:50	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 18:50	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 18:50	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 18:50	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 18:50	1
1,1,2-Trichloroethane	1.0		1.0	0.33	ug/L			05/14/21 18:50	1
Trichloroethene	49		1.0	0.48	ug/L			05/14/21 18:50	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 18:50	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 18:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 18:50	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 18:50	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 18:50	1
Vinyl acetate	0.81	U *+	2.0	0.81	ug/L			05/14/21 18:50	1
Vinyl chloride	4.9		1.0	0.50	ug/L			05/14/21 18:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 18:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		05/14/21 18:50	1
Dibromofluoromethane (Surr)	94		70 - 130		05/14/21 18:50	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		05/14/21 18:50	1
Toluene-d8 (Surr)	95		70 - 130		05/14/21 18:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.8		1.0	0.50	mg/L			05/18/21 11:14	1
Total Organic Carbon - Quad	1.8		1.0	0.50	mg/L			05/18/21 11:14	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-198812-8

Date Collected: 05/10/21 15:05

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *+	10	7.0	ug/L			05/14/21 19:13	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 19:13	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 19:13	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 19:13	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 19:13	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 19:13	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 19:13	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 19:13	1
2-Butanone (MEK)	3.4	U *+	10	3.4	ug/L			05/14/21 19:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 19:13	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 19:13	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 19:13	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 19:13	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 19:13	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 19:13	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 19:13	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 19:13	1
cis-1,2-Dichloroethene	4.7		1.0	0.41	ug/L			05/14/21 19:13	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 19:13	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 19:13	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 19:13	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 19:13	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 19:13	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 19:13	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 19:13	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 19:13	1
Dichlorodifluoromethane	0.60	U *+	1.0	0.60	ug/L			05/14/21 19:13	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 19:13	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 19:13	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 19:13	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 19:13	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 19:13	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 19:13	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 19:13	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 19:13	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 19:13	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 19:13	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 19:13	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 19:13	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 19:13	1
4-Methyl-2-pentanone (MIBK)	2.1	U *+	10	2.1	ug/L			05/14/21 19:13	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 19:13	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 19:13	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 19:13	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 19:13	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 19:13	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 19:13	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 19:13	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 19:13	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-198812-8

Date Collected: 05/10/21 15:05

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 19:13	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 19:13	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 19:13	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 19:13	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 19:13	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 19:13	1
trans-1,4-Dichloro-2-butene	0.51	U **	2.0	0.51	ug/L			05/14/21 19:13	1
trans-1,2-Dichloroethene	0.70	J	1.0	0.37	ug/L			05/14/21 19:13	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 19:13	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 19:13	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 19:13	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 19:13	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 19:13	1
Trichloroethene	14		1.0	0.48	ug/L			05/14/21 19:13	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 19:13	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 19:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 19:13	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 19:13	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 19:13	1
Vinyl acetate	0.81	U **	2.0	0.81	ug/L			05/14/21 19:13	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 19:13	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		05/14/21 19:13	1
Dibromofluoromethane (Surr)	94		70 - 130		05/14/21 19:13	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		05/14/21 19:13	1
Toluene-d8 (Surr)	95		70 - 130		05/14/21 19:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.2		1.0	0.50	mg/L			05/18/21 12:06	1
Total Organic Carbon - Quad	1.2		1.0	0.50	mg/L			05/18/21 12:06	1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-198812-9

Date Collected: 05/10/21 15:30

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U **	10	7.0	ug/L			05/14/21 19:36	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 19:36	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 19:36	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 19:36	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 19:36	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 19:36	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 19:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 19:36	1
2-Butanone (MEK)	3.4	U **	10	3.4	ug/L			05/14/21 19:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 19:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-198812-9

Date Collected: 05/10/21 15:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 19:36	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 19:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 19:36	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 19:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 19:36	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 19:36	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 19:36	1
cis-1,2-Dichloroethene	1.8		1.0	0.41	ug/L			05/14/21 19:36	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 19:36	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 19:36	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 19:36	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 19:36	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 19:36	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 19:36	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 19:36	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 19:36	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			05/14/21 19:36	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 19:36	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 19:36	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 19:36	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 19:36	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 19:36	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 19:36	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 19:36	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 19:36	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 19:36	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 19:36	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 19:36	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 19:36	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 19:36	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			05/14/21 19:36	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 19:36	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 19:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 19:36	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 19:36	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 19:36	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 19:36	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 19:36	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 19:36	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 19:36	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 19:36	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 19:36	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 19:36	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 19:36	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 19:36	1
trans-1,4-Dichloro-2-butene	0.51	U *	2.0	0.51	ug/L			05/14/21 19:36	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 19:36	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 19:36	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 19:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-198812-9

Date Collected: 05/10/21 15:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 19:36	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 19:36	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 19:36	1
Trichloroethene	3.0		1.0	0.48	ug/L			05/14/21 19:36	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 19:36	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 19:36	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 19:36	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 19:36	1
Vinyl acetate	0.81	U **	2.0	0.81	ug/L			05/14/21 19:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 19:36	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130					05/14/21 19:36	1
Dibromofluoromethane (Surr)	95		70 - 130					05/14/21 19:36	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124					05/14/21 19:36	1
Toluene-d8 (Surr)	95		70 - 130					05/14/21 19:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.5		1.0	0.50	mg/L			05/18/21 16:07	1
Total Organic Carbon - Quad	1.5		1.0	0.50	mg/L			05/18/21 16:07	1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-198812-10

Date Collected: 05/10/21 15:55

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U **	10	7.0	ug/L			05/14/21 19:58	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 19:58	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 19:58	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 19:58	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 19:58	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 19:58	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 19:58	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 19:58	1
2-Butanone (MEK)	3.4	U **	10	3.4	ug/L			05/14/21 19:58	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 19:58	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 19:58	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 19:58	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 19:58	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 19:58	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 19:58	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 19:58	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 19:58	1
cis-1,2-Dichloroethene	1.6		1.0	0.41	ug/L			05/14/21 19:58	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 19:58	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 19:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-198812-10

Date Collected: 05/10/21 15:55

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 19:58	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 19:58	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 19:58	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 19:58	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 19:58	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 19:58	1
Dichlorodifluoromethane	0.60	U **	1.0	0.60	ug/L			05/14/21 19:58	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 19:58	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 19:58	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 19:58	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 19:58	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 19:58	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 19:58	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 19:58	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 19:58	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 19:58	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 19:58	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 19:58	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 19:58	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 19:58	1
4-Methyl-2-pentanone (MIBK)	2.1	U **	10	2.1	ug/L			05/14/21 19:58	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 19:58	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 19:58	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 19:58	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 19:58	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 19:58	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 19:58	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 19:58	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 19:58	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 19:58	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 19:58	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 19:58	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 19:58	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 19:58	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 19:58	1
trans-1,4-Dichloro-2-butene	0.51	U **	2.0	0.51	ug/L			05/14/21 19:58	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 19:58	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 19:58	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 19:58	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 19:58	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 19:58	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 19:58	1
Trichloroethene	1.4		1.0	0.48	ug/L			05/14/21 19:58	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 19:58	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 19:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 19:58	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 19:58	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 19:58	1
Vinyl acetate	0.81	U **	2.0	0.81	ug/L			05/14/21 19:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-198812-10

Date Collected: 05/10/21 15:55

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 19:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 19:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130					05/14/21 19:58	1
Dibromofluoromethane (Surr)	95		70 - 130					05/14/21 19:58	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124					05/14/21 19:58	1
Toluene-d8 (Surr)	95		70 - 130					05/14/21 19:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.7		1.0	0.50	mg/L			05/18/21 16:26	1
Total Organic Carbon - Quad	1.7		1.0	0.50	mg/L			05/18/21 16:26	1

Client Sample ID: OLF-G43

Lab Sample ID: 680-198812-11

Date Collected: 05/07/21 12:46

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U **	10	7.0	ug/L			05/14/21 20:21	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 20:21	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 20:21	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 20:21	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 20:21	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 20:21	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 20:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 20:21	1
2-Butanone (MEK)	3.4	U **	10	3.4	ug/L			05/14/21 20:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 20:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 20:21	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 20:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 20:21	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 20:21	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 20:21	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 20:21	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 20:21	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 20:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 20:21	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 20:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 20:21	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 20:21	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 20:21	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 20:21	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 20:21	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 20:21	1
Dichlorodifluoromethane	0.60	U **	1.0	0.60	ug/L			05/14/21 20:21	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 20:21	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 20:21	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 20:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G43

Lab Sample ID: 680-198812-11

Date Collected: 05/07/21 12:46

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 20:21	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 20:21	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 20:21	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 20:21	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 20:21	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 20:21	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 20:21	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 20:21	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 20:21	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 20:21	1
4-Methyl-2-pentanone (MIBK)	2.1	U *+	10	2.1	ug/L			05/14/21 20:21	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 20:21	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 20:21	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 20:21	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 20:21	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 20:21	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 20:21	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 20:21	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 20:21	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 20:21	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 20:21	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 20:21	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 20:21	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 20:21	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 20:21	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 20:21	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 20:21	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 20:21	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 20:21	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 20:21	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 20:21	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 20:21	1
Trichloroethene	1.3		1.0	0.48	ug/L			05/14/21 20:21	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 20:21	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 20:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 20:21	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 20:21	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 20:21	1
Vinyl acetate	0.81	U *+	2.0	0.81	ug/L			05/14/21 20:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 20:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		05/14/21 20:21	1
Dibromofluoromethane (Surr)	96		70 - 130		05/14/21 20:21	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/14/21 20:21	1
Toluene-d8 (Surr)	96		70 - 130		05/14/21 20:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G18

Lab Sample ID: 680-198812-12

Date Collected: 05/06/21 14:05

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *+	10	7.0	ug/L			05/14/21 20:44	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 20:44	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 20:44	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 20:44	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 20:44	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 20:44	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 20:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 20:44	1
2-Butanone (MEK)	3.4	U *+	10	3.4	ug/L			05/14/21 20:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 20:44	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 20:44	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 20:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 20:44	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 20:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 20:44	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 20:44	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 20:44	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 20:44	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 20:44	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 20:44	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 20:44	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 20:44	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 20:44	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 20:44	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 20:44	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 20:44	1
Dichlorodifluoromethane	0.60	U *+	1.0	0.60	ug/L			05/14/21 20:44	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 20:44	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 20:44	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 20:44	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 20:44	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 20:44	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 20:44	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 20:44	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 20:44	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 20:44	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 20:44	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 20:44	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 20:44	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 20:44	1
4-Methyl-2-pentanone (MIBK)	2.1	U *+	10	2.1	ug/L			05/14/21 20:44	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 20:44	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 20:44	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 20:44	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 20:44	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 20:44	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 20:44	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 20:44	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 20:44	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G18

Lab Sample ID: 680-198812-12

Date Collected: 05/06/21 14:05

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 20:44	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 20:44	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 20:44	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 20:44	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 20:44	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 20:44	1
trans-1,4-Dichloro-2-butene	0.51	U **	2.0	0.51	ug/L			05/14/21 20:44	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 20:44	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 20:44	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 20:44	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 20:44	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 20:44	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 20:44	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 20:44	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 20:44	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 20:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 20:44	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 20:44	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 20:44	1
Vinyl acetate	0.81	U **	2.0	0.81	ug/L			05/14/21 20:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 20:44	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		05/14/21 20:44	1
Dibromofluoromethane (Surr)	96		70 - 130		05/14/21 20:44	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		05/14/21 20:44	1
Toluene-d8 (Surr)	96		70 - 130		05/14/21 20:44	1

Client Sample ID: OLF-G70

Lab Sample ID: 680-198812-13

Date Collected: 05/07/21 10:41

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U **	10	7.0	ug/L			05/14/21 21:06	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 21:06	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 21:06	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 21:06	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 21:06	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 21:06	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 21:06	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 21:06	1
2-Butanone (MEK)	3.4	U **	10	3.4	ug/L			05/14/21 21:06	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 21:06	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 21:06	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 21:06	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 21:06	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 21:06	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 21:06	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G70

Lab Sample ID: 680-198812-13

Date Collected: 05/07/21 10:41

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 21:06	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 21:06	1
cis-1,2-Dichloroethene	1.7		1.0	0.41	ug/L			05/14/21 21:06	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 21:06	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 21:06	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 21:06	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 21:06	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 21:06	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 21:06	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 21:06	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 21:06	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			05/14/21 21:06	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 21:06	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 21:06	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 21:06	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 21:06	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 21:06	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 21:06	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 21:06	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 21:06	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 21:06	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 21:06	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 21:06	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 21:06	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 21:06	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			05/14/21 21:06	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 21:06	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 21:06	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 21:06	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 21:06	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 21:06	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 21:06	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 21:06	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 21:06	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 21:06	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 21:06	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 21:06	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 21:06	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 21:06	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 21:06	1
trans-1,4-Dichloro-2-butene	0.51	U *	2.0	0.51	ug/L			05/14/21 21:06	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 21:06	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 21:06	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 21:06	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 21:06	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 21:06	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 21:06	1
Trichloroethene	7.8		1.0	0.48	ug/L			05/14/21 21:06	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 21:06	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G70

Lab Sample ID: 680-198812-13

Date Collected: 05/07/21 10:41

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 21:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 21:06	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 21:06	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 21:06	1
Vinyl acetate	0.81	U *	2.0	0.81	ug/L			05/14/21 21:06	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 21:06	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		05/14/21 21:06	1
Dibromofluoromethane (Surr)	96		70 - 130		05/14/21 21:06	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/14/21 21:06	1
Toluene-d8 (Surr)	94		70 - 130		05/14/21 21:06	1

Client Sample ID: OLF-G35

Lab Sample ID: 680-198812-14

Date Collected: 05/06/21 13:56

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 13:52	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:52	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:52	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:52	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:52	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:52	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:52	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:52	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 13:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:52	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:52	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 13:52	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:52	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:52	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:52	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:52	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:52	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 13:52	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:52	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:52	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:52	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:52	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:52	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:52	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:52	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:52	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 13:52	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:52	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 13:52	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:52	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G35

Lab Sample ID: 680-198812-14

Date Collected: 05/06/21 13:56

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:52	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:52	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:52	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 13:52	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:52	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:52	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:52	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:52	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:52	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 13:52	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 13:52	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:52	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:52	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 13:52	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:52	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:52	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:52	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:52	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:52	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:52	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:52	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:52	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 13:52	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 13:52	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:52	1
trans-1,4-Dichloro-2-butene	0.51	U *	2.0	0.51	ug/L			05/14/21 13:52	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 13:52	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:52	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:52	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:52	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:52	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 13:52	1
Trichloroethene	3.2		1.0	0.48	ug/L			05/14/21 13:52	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:52	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:52	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:52	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:52	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:52	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 13:52	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130		05/14/21 13:52	1
Dibromofluoromethane (Surr)	100		70 - 130		05/14/21 13:52	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/14/21 13:52	1
Toluene-d8 (Surr)	92		70 - 130		05/14/21 13:52	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: DUP376

Lab Sample ID: 680-198812-15

Date Collected: 05/10/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	36		10	7.0	ug/L			05/14/21 14:16	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 14:16	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:16	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 14:16	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 14:16	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:16	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 14:16	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:16	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 14:16	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 14:16	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 14:16	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 14:16	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:16	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 14:16	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 14:16	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 14:16	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 14:16	1
cis-1,2-Dichloroethene	6.6		1.0	0.41	ug/L			05/14/21 14:16	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 14:16	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 14:16	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 14:16	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:16	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 14:16	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 14:16	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:16	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 14:16	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 14:16	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 14:16	1
1,2-Dichloroethane	1.3		1.0	0.50	ug/L			05/14/21 14:16	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 14:16	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 14:16	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 14:16	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 14:16	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 14:16	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 14:16	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 14:16	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 14:16	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 14:16	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 14:16	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 14:16	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 14:16	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 14:16	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 14:16	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 14:16	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:16	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 14:16	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 14:16	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:16	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 14:16	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: DUP376

Lab Sample ID: 680-198812-15

Date Collected: 05/10/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 14:16	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 14:16	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:16	1
1,1,2,2-Tetrachloroethane	2.1		1.0	0.62	ug/L			05/14/21 14:16	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 14:16	1
Toluene	18		1.0	0.48	ug/L			05/14/21 14:16	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 14:16	1
trans-1,2-Dichloroethene	0.53	J	1.0	0.37	ug/L			05/14/21 14:16	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 14:16	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:16	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:16	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:16	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 14:16	1
Trichloroethene	1.1		1.0	0.48	ug/L			05/14/21 14:16	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 14:16	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 14:16	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:16	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 14:16	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 14:16	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 14:16	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130		05/14/21 14:16	1
Dibromofluoromethane (Surr)	101		70 - 130		05/14/21 14:16	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/14/21 14:16	1
Toluene-d8 (Surr)	92		70 - 130		05/14/21 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			05/18/21 16:44	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			05/18/21 16:44	1

Client Sample ID: OLF-G47

Lab Sample ID: 680-198812-16

Date Collected: 05/06/21 09:11

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 14:41	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 14:41	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:41	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 14:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 14:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 14:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 14:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 14:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G47

Lab Sample ID: 680-198812-16

Date Collected: 05/06/21 09:11

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 14:41	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 14:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 14:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 14:41	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 14:41	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 14:41	1
cis-1,2-Dichloroethene	3.9		1.0	0.41	ug/L			05/14/21 14:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 14:41	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 14:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 14:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 14:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 14:41	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 14:41	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 14:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 14:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 14:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 14:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 14:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 14:41	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 14:41	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 14:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 14:41	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 14:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 14:41	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 14:41	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 14:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 14:41	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 14:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 14:41	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 14:41	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 14:41	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:41	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 14:41	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 14:41	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:41	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 14:41	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 14:41	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 14:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:41	1
1,1,2,2-Tetrachloroethane	1.5		1.0	0.62	ug/L			05/14/21 14:41	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 14:41	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:41	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 14:41	1
trans-1,2-Dichloroethene	1.0		1.0	0.37	ug/L			05/14/21 14:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 14:41	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G47

Lab Sample ID: 680-198812-16

Date Collected: 05/06/21 09:11

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:41	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 14:41	1
Trichloroethene	21		1.0	0.48	ug/L			05/14/21 14:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 14:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 14:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 14:41	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:41	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 14:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 14:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 14:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130		05/14/21 14:41	1
Dibromofluoromethane (Surr)	101		70 - 130		05/14/21 14:41	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/14/21 14:41	1
Toluene-d8 (Surr)	92		70 - 130		05/14/21 14:41	1

Client Sample ID: OLF-G48

Lab Sample ID: 680-198812-17

Date Collected: 05/06/21 10:25

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 13:37	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:37	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:37	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:37	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:37	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:37	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:37	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:37	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 13:37	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:37	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:37	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 13:37	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:37	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:37	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:37	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:37	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:37	1
cis-1,2-Dichloroethene	0.87	J	1.0	0.41	ug/L			05/14/21 13:37	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:37	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:37	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:37	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:37	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:37	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:37	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:37	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G48

Lab Sample ID: 680-198812-17

Date Collected: 05/06/21 10:25

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:37	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 13:37	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:37	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 13:37	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:37	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:37	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:37	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:37	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 13:37	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:37	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:37	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:37	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:37	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:37	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 13:37	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 13:37	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:37	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:37	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 13:37	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:37	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:37	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:37	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:37	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:37	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:37	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:37	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:37	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 13:37	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 13:37	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:37	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 13:37	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 13:37	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:37	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:37	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:37	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:37	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 13:37	1
Trichloroethene	3.3		1.0	0.48	ug/L			05/14/21 13:37	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:37	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:37	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:37	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:37	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:37	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 13:37	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		05/14/21 13:37	1
Dibromofluoromethane (Surr)	96		70 - 130		05/14/21 13:37	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G48

Lab Sample ID: 680-198812-17

Date Collected: 05/06/21 10:25

Matrix: Water

Date Received: 05/13/21 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		60 - 124		05/14/21 13:37	1
Toluene-d8 (Surr)	105		70 - 130		05/14/21 13:37	1

Client Sample ID: OLF-G31

Lab Sample ID: 680-198812-18

Date Collected: 05/10/21 11:30

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 13:59	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:59	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:59	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:59	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:59	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:59	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 13:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:59	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:59	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 13:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:59	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:59	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:59	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 13:59	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:59	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:59	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:59	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:59	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:59	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:59	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:59	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 13:59	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:59	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 13:59	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:59	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:59	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:59	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 13:59	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:59	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:59	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:59	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:59	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G31

Lab Sample ID: 680-198812-18

Date Collected: 05/10/21 11:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 13:59	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:59	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:59	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:59	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:59	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:59	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:59	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:59	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:59	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:59	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 13:59	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 13:59	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:59	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 13:59	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:59	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 13:59	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 13:59	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:59	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:59	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:59	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:59	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 13:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130		05/14/21 13:59	1
Dibromofluoromethane (Surr)	97		70 - 130		05/14/21 13:59	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 124		05/14/21 13:59	1
Toluene-d8 (Surr)	102		70 - 130		05/14/21 13:59	1

Client Sample ID: OLF-G19

Lab Sample ID: 680-198812-19

Date Collected: 05/06/21 12:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 14:22	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 14:22	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:22	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 14:22	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 14:22	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G19

Lab Sample ID: 680-198812-19

Date Collected: 05/06/21 12:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 14:22	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:22	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 14:22	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 14:22	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 14:22	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 14:22	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:22	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 14:22	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 14:22	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 14:22	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 14:22	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 14:22	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 14:22	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 14:22	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 14:22	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:22	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 14:22	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 14:22	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:22	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 14:22	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 14:22	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 14:22	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 14:22	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 14:22	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 14:22	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 14:22	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 14:22	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 14:22	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 14:22	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 14:22	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 14:22	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 14:22	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 14:22	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 14:22	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 14:22	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 14:22	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 14:22	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 14:22	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:22	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 14:22	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 14:22	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:22	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 14:22	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 14:22	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 14:22	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:22	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 14:22	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 14:22	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G19

Lab Sample ID: 680-198812-19

Date Collected: 05/06/21 12:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 14:22	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 14:22	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 14:22	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:22	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:22	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:22	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 14:22	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 14:22	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 14:22	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 14:22	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:22	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 14:22	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 14:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 14:22	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130		05/14/21 14:22	1
Dibromofluoromethane (Surr)	99		70 - 130		05/14/21 14:22	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		05/14/21 14:22	1
Toluene-d8 (Surr)	102		70 - 130		05/14/21 14:22	1

Client Sample ID: OLF-G36

Lab Sample ID: 680-198812-20

Date Collected: 05/07/21 09:01

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 18:54	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 18:54	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:54	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 18:54	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 18:54	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:54	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 18:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:54	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 18:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 18:54	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 18:54	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 18:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:54	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 18:54	1
Chloromethane	0.40	U *	1.0	0.40	ug/L			05/17/21 18:54	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 18:54	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 18:54	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 18:54	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 18:54	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 18:54	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 18:54	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G36

Lab Sample ID: 680-198812-20

Date Collected: 05/07/21 09:01

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:54	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 18:54	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 18:54	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:54	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 18:54	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 18:54	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 18:54	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 18:54	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 18:54	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 18:54	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 18:54	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 18:54	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 18:54	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 18:54	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 18:54	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 18:54	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 18:54	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 18:54	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 18:54	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 18:54	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 18:54	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 18:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 18:54	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:54	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 18:54	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 18:54	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:54	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 18:54	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 18:54	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 18:54	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:54	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 18:54	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 18:54	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:54	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 18:54	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 18:54	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 18:54	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:54	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:54	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:54	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 18:54	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 18:54	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 18:54	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 18:54	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:54	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 18:54	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 18:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 18:54	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G36

Lab Sample ID: 680-198812-20

Date Collected: 05/07/21 09:01

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130					05/17/21 18:54	1
Dibromofluoromethane (Surr)	109		70 - 130					05/17/21 18:54	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124					05/17/21 18:54	1
Toluene-d8 (Surr)	96		70 - 130					05/17/21 18:54	1

Client Sample ID: OLF-G24

Lab Sample ID: 680-198812-21

Date Collected: 05/07/21 11:50

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 19:14	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 19:14	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:14	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 19:14	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 19:14	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:14	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 19:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:14	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 19:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 19:14	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 19:14	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 19:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:14	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 19:14	1
Chloromethane	0.40	U *+	1.0	0.40	ug/L			05/17/21 19:14	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 19:14	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 19:14	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 19:14	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 19:14	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 19:14	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 19:14	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:14	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 19:14	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 19:14	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:14	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 19:14	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 19:14	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 19:14	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 19:14	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 19:14	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 19:14	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 19:14	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 19:14	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 19:14	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 19:14	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 19:14	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G24

Lab Sample ID: 680-198812-21

Date Collected: 05/07/21 11:50

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 19:14	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 19:14	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 19:14	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 19:14	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 19:14	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 19:14	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 19:14	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 19:14	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:14	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 19:14	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 19:14	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:14	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 19:14	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 19:14	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 19:14	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:14	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 19:14	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 19:14	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:14	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 19:14	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 19:14	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 19:14	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:14	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:14	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:14	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 19:14	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 19:14	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 19:14	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 19:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 19:14	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:14	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 19:14	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 19:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 19:14	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 19:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130					05/17/21 19:14	1
Dibromofluoromethane (Surr)	109		70 - 130					05/17/21 19:14	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124					05/17/21 19:14	1
Toluene-d8 (Surr)	96		70 - 130					05/17/21 19:14	1

Client Sample ID: OLF-G22

Lab Sample ID: 680-198812-22

Date Collected: 05/06/21 09:10

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *+	10	7.0	ug/L			05/14/21 14:24	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 14:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G22

Lab Sample ID: 680-198812-22

Date Collected: 05/06/21 09:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:24	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 14:24	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 14:24	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:24	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 14:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:24	1
2-Butanone (MEK)	3.4	U *+	10	3.4	ug/L			05/14/21 14:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 14:24	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 14:24	1
Chlorobenzene	7.2		1.0	0.26	ug/L			05/14/21 14:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:24	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 14:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 14:24	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 14:24	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 14:24	1
cis-1,2-Dichloroethene	19		1.0	0.41	ug/L			05/14/21 14:24	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 14:24	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 14:24	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 14:24	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:24	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 14:24	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 14:24	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:24	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 14:24	1
Dichlorodifluoromethane	0.60	U *+	1.0	0.60	ug/L			05/14/21 14:24	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 14:24	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 14:24	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 14:24	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 14:24	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 14:24	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 14:24	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 14:24	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 14:24	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 14:24	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 14:24	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 14:24	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 14:24	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 14:24	1
4-Methyl-2-pentanone (MIBK)	2.1	U *+	10	2.1	ug/L			05/14/21 14:24	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 14:24	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 14:24	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 14:24	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:24	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 14:24	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 14:24	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:24	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 14:24	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 14:24	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 14:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G22

Lab Sample ID: 680-198812-22

Date Collected: 05/06/21 09:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:24	1
1,1,2,2-Tetrachloroethane	17		1.0	0.62	ug/L			05/14/21 14:24	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 14:24	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:24	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 14:24	1
trans-1,2-Dichloroethene	7.9		1.0	0.37	ug/L			05/14/21 14:24	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 14:24	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:24	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:24	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:24	1
1,1,2-Trichloroethane	1.4		1.0	0.33	ug/L			05/14/21 14:24	1
Trichloroethene	52		1.0	0.48	ug/L			05/14/21 14:24	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 14:24	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 14:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 14:24	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:24	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 14:24	1
Vinyl acetate	0.81	U *+	2.0	0.81	ug/L			05/14/21 14:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 14:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		05/14/21 14:24	1
Dibromofluoromethane (Surr)	97		70 - 130		05/14/21 14:24	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		05/14/21 14:24	1
Toluene-d8 (Surr)	97		70 - 130		05/14/21 14:24	1

Client Sample ID: OLF-G23

Lab Sample ID: 680-198812-23

Date Collected: 05/07/21 10:05

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 13:41	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:41	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:41	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 13:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:41	1
Chlorobenzene	13		1.0	0.26	ug/L			05/14/21 13:41	1
Chloroethane	3.7	J	5.0	2.5	ug/L			05/14/21 13:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:41	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:41	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G23

Lab Sample ID: 680-198812-23

Date Collected: 05/07/21 10:05

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	38		1.0	0.41	ug/L			05/14/21 13:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:41	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:41	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:41	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 13:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:41	1
1,2-Dichloroethane	0.77 J		1.0	0.50	ug/L			05/14/21 13:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:41	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:41	1
1,1-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:41	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:41	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:41	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 13:41	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 13:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:41	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:41	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 13:41	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:41	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:41	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:41	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:41	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:41	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:41	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:41	1
1,1,2,2-Tetrachloroethane	65		1.0	0.62	ug/L			05/14/21 13:41	1
Tetrachloroethylene	0.95 J		1.0	0.74	ug/L			05/14/21 13:41	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:41	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 13:41	1
trans-1,2-Dichloroethene	23		1.0	0.37	ug/L			05/14/21 13:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:41	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:41	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:41	1
1,1,2-Trichloroethane	2.7		1.0	0.33	ug/L			05/14/21 13:41	1
Trichloroethene	85		1.0	0.48	ug/L			05/14/21 13:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G23

Lab Sample ID: 680-198812-23

Date Collected: 05/07/21 10:05

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:41	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:41	1
Vinyl chloride	3.0		1.0	0.50	ug/L			05/14/21 13:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		05/14/21 13:41	1
Dibromofluoromethane (Surr)	103		70 - 130		05/14/21 13:41	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		05/14/21 13:41	1
Toluene-d8 (Surr)	99		70 - 130		05/14/21 13:41	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.8		1.1	0.30	ug/L			05/17/21 17:34	1
Ethene	0.31	U	1.0	0.31	ug/L			05/17/21 17:34	1
Methane (TCD)	1500		390	59	ug/L			05/17/21 17:34	1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-198812-24

Date Collected: 05/07/21 13:25

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 14:01	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 14:01	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:01	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 14:01	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 14:01	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:01	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 14:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:01	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 14:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 14:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 14:01	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 14:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:01	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 14:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 14:01	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 14:01	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 14:01	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 14:01	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 14:01	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 14:01	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 14:01	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:01	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 14:01	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 14:01	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:01	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 14:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-198812-24

Date Collected: 05/07/21 13:25

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 14:01	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 14:01	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 14:01	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 14:01	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 14:01	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 14:01	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 14:01	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 14:01	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 14:01	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 14:01	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 14:01	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 14:01	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 14:01	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 14:01	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 14:01	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 14:01	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 14:01	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 14:01	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:01	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 14:01	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 14:01	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:01	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 14:01	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 14:01	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 14:01	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:01	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 14:01	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 14:01	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:01	1
trans-1,4-Dichloro-2-butene	0.51	U *	2.0	0.51	ug/L			05/14/21 14:01	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 14:01	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 14:01	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:01	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:01	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:01	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 14:01	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 14:01	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 14:01	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 14:01	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:01	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 14:01	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 14:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 14:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		05/14/21 14:01	1
Dibromofluoromethane (Surr)	118		70 - 130		05/14/21 14:01	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		05/14/21 14:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-198812-24

Date Collected: 05/07/21 13:25

Matrix: Water

Date Received: 05/13/21 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		70 - 130		05/14/21 14:01	1

Client Sample ID: OLF-G26

Lab Sample ID: 680-198812-25

Date Collected: 05/10/21 15:55

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 14:20	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 14:20	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:20	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 14:20	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 14:20	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:20	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 14:20	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:20	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 14:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 14:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 14:20	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 14:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 14:20	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 14:20	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 14:20	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 14:20	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 14:20	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 14:20	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 14:20	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 14:20	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 14:20	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 14:20	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 14:20	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 14:20	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 14:20	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 14:20	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 14:20	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 14:20	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 14:20	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 14:20	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 14:20	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 14:20	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 14:20	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 14:20	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 14:20	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 14:20	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 14:20	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 14:20	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 14:20	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 14:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 14:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G26

Lab Sample ID: 680-198812-25

Date Collected: 05/10/21 15:55

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 14:20	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 14:20	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 14:20	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:20	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 14:20	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 14:20	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:20	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 14:20	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 14:20	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 14:20	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:20	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 14:20	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 14:20	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 14:20	1
trans-1,4-Dichloro-2-butene	0.51	U *+	2.0	0.51	ug/L			05/14/21 14:20	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 14:20	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 14:20	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:20	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 14:20	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 14:20	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 14:20	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 14:20	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 14:20	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 14:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 14:20	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 14:20	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 14:20	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 14:20	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 14:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 14:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		05/14/21 14:20	1
Dibromofluoromethane (Surr)	117		70 - 130		05/14/21 14:20	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		05/14/21 14:20	1
Toluene-d8 (Surr)	102		70 - 130		05/14/21 14:20	1

Client Sample ID: OLF-G21

Lab Sample ID: 680-198812-26

Date Collected: 05/06/21 15:30

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *+	10	7.0	ug/L			05/14/21 13:39	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:39	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:39	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:39	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:39	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:39	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G21

Lab Sample ID: 680-198812-26

Date Collected: 05/06/21 15:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:39	1
2-Butanone (MEK)	3.4	U *	10	3.4	ug/L			05/14/21 13:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:39	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:39	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 13:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:39	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:39	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:39	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:39	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:39	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 13:39	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:39	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:39	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:39	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:39	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:39	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:39	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:39	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:39	1
Dichlorodifluoromethane	0.60	U *	1.0	0.60	ug/L			05/14/21 13:39	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:39	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 13:39	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:39	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:39	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:39	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:39	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 13:39	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:39	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:39	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:39	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:39	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:39	1
Methylene Chloride	2.5	U *	5.0	2.5	ug/L			05/14/21 13:39	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			05/14/21 13:39	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:39	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:39	1
Naphthalene	2.5	U *	5.0	2.5	ug/L			05/14/21 13:39	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:39	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:39	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:39	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:39	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:39	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:39	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:39	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:39	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 13:39	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 13:39	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:39	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 13:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: OLF-G21

Lab Sample ID: 680-198812-26

Date Collected: 05/06/21 15:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 13:39	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:39	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:39	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:39	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:39	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 13:39	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 13:39	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:39	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:39	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:39	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:39	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 13:39	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		05/14/21 13:39	1
Dibromofluoromethane (Surr)	110		70 - 130		05/14/21 13:39	1
1,2-Dichloroethane-d4 (Surr)	94		60 - 124		05/14/21 13:39	1
Toluene-d8 (Surr)	112		70 - 130		05/14/21 13:39	1

Client Sample ID: TB578

Lab Sample ID: 680-198812-27

Date Collected: 05/12/21 02:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *+	10	7.0	ug/L			05/14/21 13:59	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:59	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:59	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:59	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:59	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:59	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
2-Butanone (MEK)	3.4	U *+	10	3.4	ug/L			05/14/21 13:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:59	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:59	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 13:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:59	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:59	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:59	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 13:59	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:59	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:59	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:59	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: TB578

Lab Sample ID: 680-198812-27

Date Collected: 05/12/21 02:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:59	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:59	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:59	1
Dichlorodifluoromethane	0.60	U **	1.0	0.60	ug/L			05/14/21 13:59	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:59	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 13:59	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:59	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:59	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:59	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 13:59	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:59	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:59	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:59	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:59	1
Methylene Chloride	2.5	U **	5.0	2.5	ug/L			05/14/21 13:59	1
4-Methyl-2-pentanone (MIBK)	2.1	U **	10	2.1	ug/L			05/14/21 13:59	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:59	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:59	1
Naphthalene	2.5	U **	5.0	2.5	ug/L			05/14/21 13:59	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:59	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:59	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:59	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:59	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:59	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:59	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:59	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 13:59	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 13:59	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:59	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 13:59	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:59	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:59	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:59	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 13:59	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 13:59	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:59	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:59	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:59	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:59	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 13:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198812-1

Client Sample ID: TB578

Date Collected: 05/12/21 02:45

Date Received: 05/13/21 09:30

Lab Sample ID: 680-198812-27

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	94		70 - 130		05/14/21 13:59	1
Dibromofluoromethane (Surr)	100		70 - 130		05/14/21 13:59	1
1,2-Dichloroethane-d4 (Surr)	95		60 - 124		05/14/21 13:59	1
Toluene-d8 (Surr)	102		70 - 130		05/14/21 13:59	1

QC Sample Results

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

Job ID: 680-198812-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-668547/8

Matrix: Water

Analysis Batch: 668547

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 13:27	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:27	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:27	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:27	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:27	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:27	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:27	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:27	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 13:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:27	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:27	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 13:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:27	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:27	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:27	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:27	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:27	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 13:27	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:27	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:27	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:27	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:27	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:27	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:27	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:27	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:27	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 13:27	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:27	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 13:27	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:27	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:27	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:27	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:27	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 13:27	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:27	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:27	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:27	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:27	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:27	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 13:27	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 13:27	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:27	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:27	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 13:27	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:27	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:27	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:27	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:27	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668547/8

Matrix: Water

Analysis Batch: 668547

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:27	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:27	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:27	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:27	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 13:27	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 13:27	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:27	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 13:27	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 13:27	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:27	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:27	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:27	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:27	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 13:27	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 13:27	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:27	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:27	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:27	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:27	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 13:27	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		05/14/21 13:27	1
Dibromofluoromethane (Surr)	100		70 - 130		05/14/21 13:27	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/14/21 13:27	1
Toluene-d8 (Surr)	94		70 - 130		05/14/21 13:27	1

Lab Sample ID: LCS 680-668547/3

Matrix: Water

Analysis Batch: 668547

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	242		ug/L		97	67 - 113
Acrylonitrile	500	498		ug/L		100	70 - 130
Benzene	50.0	52.6		ug/L		105	70 - 130
Bromobenzene	50.0	57.3		ug/L		115	70 - 130
Bromochloromethane	50.0	47.2		ug/L		94	70 - 130
Bromodichloromethane	50.0	51.8		ug/L		104	70 - 130
Bromoform	50.0	57.9		ug/L		116	69 - 129
Bromomethane	50.0	68.8		ug/L		138	28 - 192
2-Butanone (MEK)	250	225		ug/L		90	69 - 114
Carbon disulfide	50.0	49.5		ug/L		99	70 - 130
Carbon tetrachloride	50.0	49.8		ug/L		100	70 - 130
Chlorobenzene	50.0	53.6		ug/L		107	70 - 130
Chloroethane	50.0	55.7		ug/L		111	31 - 213

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668547/3

Matrix: Water

Analysis Batch: 668547

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	50.7		ug/L		101	70 - 130
Chloromethane	50.0	44.3		ug/L		89	59 - 127
2-Chlorotoluene	50.0	56.6		ug/L		113	70 - 130
4-Chlorotoluene	50.0	59.9		ug/L		120	70 - 130
cis-1,2-Dichloroethene	50.0	54.6		ug/L		109	70 - 130
cis-1,3-Dichloropropene	50.0	53.4		ug/L		107	70 - 130
Dibromochloromethane	50.0	54.2		ug/L		108	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	47.9		ug/L		96	70 - 130
1,2-Dibromoethane	50.0	50.9		ug/L		102	70 - 130
Dibromomethane	50.0	53.0		ug/L		106	70 - 130
1,2-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130
1,3-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	50.9		ug/L		102	70 - 130
Dichlorodifluoromethane	50.0	50.7		ug/L		101	70 - 130
1,1-Dichloroethane	50.0	49.9		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	48.8		ug/L		98	70 - 130
1,1-Dichloroethene	50.0	48.9		ug/L		98	70 - 130
1,2-Dichloropropane	50.0	50.0		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	52.2		ug/L		104	70 - 130
2,2-Dichloropropane	50.0	53.1		ug/L		106	70 - 130
1,1-Dichloropropene	50.0	48.5		ug/L		97	70 - 130
Ethylbenzene	50.0	52.9		ug/L		106	70 - 130
Hexachlorobutadiene	50.0	51.6		ug/L		103	70 - 130
2-Hexanone	250	238		ug/L		95	70 - 130
Iodomethane	50.0	46.0		ug/L		92	52 - 129
Isopropylbenzene	50.0	54.4		ug/L		109	70 - 130
Methylene Chloride	50.0	52.5		ug/L		105	70 - 130
4-Methyl-2-pentanone (MIBK)	250	236		ug/L		94	68 - 108
Methyl tert-butyl ether	50.0	53.4		ug/L		107	70 - 130
m-Xylene & p-Xylene	50.0	54.7		ug/L		109	70 - 130
Naphthalene	50.0	48.0		ug/L		96	57 - 149
n-Butylbenzene	50.0	52.0		ug/L		104	70 - 130
N-Propylbenzene	50.0	57.3		ug/L		115	70 - 130
o-Xylene	50.0	55.5		ug/L		111	70 - 130
p-Isopropyltoluene	50.0	50.5		ug/L		101	70 - 130
sec-Butylbenzene	50.0	54.9		ug/L		110	70 - 130
Styrene	50.0	57.5		ug/L		115	70 - 130
tert-Butylbenzene	50.0	54.3		ug/L		109	70 - 130
1,1,1,2-Tetrachloroethane	50.0	56.3		ug/L		113	70 - 130
1,1,2,2-Tetrachloroethane	50.0	57.2		ug/L		114	70 - 130
Tetrachloroethylene	50.0	48.7		ug/L		97	70 - 130
Toluene	50.0	49.5		ug/L		99	70 - 130
trans-1,4-Dichloro-2-butene	50.0	56.1		ug/L		112	67 - 112
trans-1,2-Dichloroethene	50.0	52.4		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	55.1		ug/L		110	70 - 130
1,2,3-Trichlorobenzene	50.0	48.0		ug/L		96	61 - 141
1,2,4-Trichlorobenzene	50.0	47.5		ug/L		95	70 - 130
1,1,1-Trichloroethane	50.0	49.1		ug/L		98	70 - 130
1,1,2-Trichloroethane	50.0	53.5		ug/L		107	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668547/3

Matrix: Water

Analysis Batch: 668547

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	50.6		ug/L		101	70 - 130
Trichlorofluoromethane	50.0	46.5		ug/L		93	63 - 142
1,2,3-Trichloropropane	50.0	55.9		ug/L		112	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.4		ug/L		89	63 - 141
1,2,4-Trimethylbenzene	50.0	55.0		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	50.0	56.6		ug/L		113	70 - 130
Vinyl acetate	100	117		ug/L		117	67 - 135
Vinyl chloride	50.0	43.7		ug/L		87	66 - 129
Xylenes, Total	100	110		ug/L		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	113		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		60 - 124
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: LCSD 680-668547/4

Matrix: Water

Analysis Batch: 668547

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	248		ug/L		99	67 - 113	2	30
Acrylonitrile	500	487		ug/L		97	70 - 130	2	30
Benzene	50.0	53.1		ug/L		106	70 - 130	1	30
Bromobenzene	50.0	55.1		ug/L		110	70 - 130	4	30
Bromochloromethane	50.0	49.1		ug/L		98	70 - 130	4	30
Bromodichloromethane	50.0	52.2		ug/L		104	70 - 130	1	30
Bromoform	50.0	55.2		ug/L		110	69 - 129	5	30
Bromomethane	50.0	69.7		ug/L		139	28 - 192	1	30
2-Butanone (MEK)	250	218		ug/L		87	69 - 114	3	30
Carbon disulfide	50.0	50.8		ug/L		102	70 - 130	3	30
Carbon tetrachloride	50.0	51.0		ug/L		102	70 - 130	2	30
Chlorobenzene	50.0	52.3		ug/L		105	70 - 130	2	30
Chloroethane	50.0	58.6		ug/L		117	31 - 213	5	30
Chloroform	50.0	51.1		ug/L		102	70 - 130	1	30
Chloromethane	50.0	46.4		ug/L		93	59 - 127	5	30
2-Chlorotoluene	50.0	55.0		ug/L		110	70 - 130	3	30
4-Chlorotoluene	50.0	57.4		ug/L		115	70 - 130	4	30
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	70 - 130	2	30
cis-1,3-Dichloropropene	50.0	52.4		ug/L		105	70 - 130	2	20
Dibromochloromethane	50.0	52.6		ug/L		105	70 - 130	3	30
1,2-Dibromo-3-Chloropropane	50.0	47.8		ug/L		96	70 - 130	0	30
1,2-Dibromoethane	50.0	49.8		ug/L		100	70 - 130	2	30
Dibromomethane	50.0	52.2		ug/L		104	70 - 130	1	30
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 130	2	30
1,3-Dichlorobenzene	50.0	51.3		ug/L		103	70 - 130	1	30
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130	0	30
Dichlorodifluoromethane	50.0	52.6		ug/L		105	70 - 130	4	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668547/4

Matrix: Water

Analysis Batch: 668547

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	50.3		ug/L		101	70 - 130	1	30
1,2-Dichloroethane	50.0	49.3		ug/L		99	70 - 130	1	50
1,1-Dichloroethene	50.0	50.0		ug/L		100	70 - 130	2	20
1,2-Dichloropropane	50.0	50.7		ug/L		101	70 - 130	1	20
1,3-Dichloropropane	50.0	51.6		ug/L		103	70 - 130	1	20
2,2-Dichloropropane	50.0	54.2		ug/L		108	70 - 130	2	20
1,1-Dichloropropene	50.0	49.1		ug/L		98	70 - 130	1	20
Ethylbenzene	50.0	52.9		ug/L		106	70 - 130	0	20
Hexachlorobutadiene	50.0	49.3		ug/L		99	70 - 130	5	20
2-Hexanone	250	230		ug/L		92	70 - 130	4	20
Iodomethane	50.0	50.7		ug/L		101	52 - 129	10	30
Isopropylbenzene	50.0	54.3		ug/L		109	70 - 130	0	30
Methylene Chloride	50.0	54.6		ug/L		109	70 - 130	4	30
4-Methyl-2-pentanone (MIBK)	250	230		ug/L		92	68 - 108	2	30
Methyl tert-butyl ether	50.0	52.6		ug/L		105	70 - 130	2	30
m-Xylene & p-Xylene	50.0	53.7		ug/L		107	70 - 130	2	30
Naphthalene	50.0	49.9		ug/L		100	57 - 149	4	30
n-Butylbenzene	50.0	52.7		ug/L		105	70 - 130	1	30
N-Propylbenzene	50.0	56.3		ug/L		113	70 - 130	2	30
o-Xylene	50.0	54.3		ug/L		109	70 - 130	2	30
p-Isopropyltoluene	50.0	51.4		ug/L		103	70 - 130	2	30
sec-Butylbenzene	50.0	53.3		ug/L		107	70 - 130	3	30
Styrene	50.0	55.8		ug/L		112	70 - 130	3	30
tert-Butylbenzene	50.0	53.6		ug/L		107	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/L		108	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	55.1		ug/L		110	70 - 130	4	30
Tetrachloroethylene	50.0	48.6		ug/L		97	70 - 130	0	30
Toluene	50.0	50.5		ug/L		101	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	56.5	*+	ug/L		113	67 - 112	1	30
trans-1,2-Dichloroethene	50.0	51.7		ug/L		103	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	54.1		ug/L		108	70 - 130	2	30
1,2,3-Trichlorobenzene	50.0	50.1		ug/L		100	61 - 141	4	30
1,2,4-Trichlorobenzene	50.0	47.6		ug/L		95	70 - 130	0	30
1,1,1-Trichloroethane	50.0	49.9		ug/L		100	70 - 130	2	30
1,1,2-Trichloroethane	50.0	53.7		ug/L		107	70 - 130	0	30
Trichloroethene	50.0	52.0		ug/L		104	70 - 130	3	30
Trichlorofluoromethane	50.0	47.3		ug/L		95	63 - 142	2	30
1,2,3-Trichloropropane	50.0	51.9		ug/L		104	70 - 130	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.8		ug/L		92	63 - 141	3	30
1,2,4-Trimethylbenzene	50.0	54.1		ug/L		108	70 - 130	2	30
1,3,5-Trimethylbenzene	50.0	55.2		ug/L		110	70 - 130	2	30
Vinyl acetate	100	112		ug/L		112	67 - 135	5	30
Vinyl chloride	50.0	46.1		ug/L		92	66 - 129	5	30
Xylenes, Total	100	108		ug/L		108	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668547/4

Matrix: Water

Analysis Batch: 668547

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	112		70 - 130
1,2-Dichloroethane-d4 (Surr)	102		60 - 124
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: MB 680-668555/8

Matrix: Water

Analysis Batch: 668555

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 13:07	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:07	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:07	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:07	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 13:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 13:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:07	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:07	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:07	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 13:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:07	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:07	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 13:07	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:07	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 13:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:07	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:07	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 13:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:07	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:07	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:07	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:07	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:07	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668555/8

Matrix: Water

Analysis Batch: 668555

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 13:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 13:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:07	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:07	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 13:07	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:07	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:07	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:07	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:07	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:07	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:07	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 13:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 13:07	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 13:07	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 13:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:07	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:07	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 13:07	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 13:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:07	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:07	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 13:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		05/14/21 13:07	1
Dibromofluoromethane (Surr)	96		70 - 130		05/14/21 13:07	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		05/14/21 13:07	1
Toluene-d8 (Surr)	100		70 - 130		05/14/21 13:07	1

Lab Sample ID: LCS 680-668555/3

Matrix: Water

Analysis Batch: 668555

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	247		ug/L		99	67 - 113
Acrylonitrile	500	560		ug/L		112	70 - 130
Benzene	50.0	52.3		ug/L		105	70 - 130
Bromobenzene	50.0	52.3		ug/L		105	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668555/3

Matrix: Water

Analysis Batch: 668555

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	56.0		ug/L		112	70 - 130
Bromodichloromethane	50.0	56.4		ug/L		113	70 - 130
Bromoform	50.0	52.8		ug/L		106	69 - 129
Bromomethane	50.0	66.4		ug/L		133	28 - 192
2-Butanone (MEK)	250	246		ug/L		98	69 - 114
Carbon disulfide	50.0	53.1		ug/L		106	70 - 130
Carbon tetrachloride	50.0	51.6		ug/L		103	70 - 130
Chlorobenzene	50.0	50.3		ug/L		101	70 - 130
Chloroethane	50.0	60.5		ug/L		121	31 - 213
Chloroform	50.0	52.5		ug/L		105	70 - 130
Chloromethane	50.0	53.5		ug/L		107	59 - 127
2-Chlorotoluene	50.0	50.0		ug/L		100	70 - 130
4-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130
cis-1,2-Dichloroethene	50.0	57.1		ug/L		114	70 - 130
cis-1,3-Dichloropropene	50.0	54.7		ug/L		109	70 - 130
Dibromochloromethane	50.0	57.3		ug/L		115	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	47.1		ug/L		94	70 - 130
1,2-Dibromoethane	50.0	54.6		ug/L		109	70 - 130
Dibromomethane	50.0	55.5		ug/L		111	70 - 130
1,2-Dichlorobenzene	50.0	51.3		ug/L		103	70 - 130
1,3-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	54.6		ug/L		109	70 - 130
1,1-Dichloroethane	50.0	53.3		ug/L		107	70 - 130
1,2-Dichloroethane	50.0	57.6		ug/L		115	70 - 130
1,1-Dichloroethene	50.0	47.4		ug/L		95	70 - 130
1,2-Dichloropropane	50.0	54.7		ug/L		109	70 - 130
1,3-Dichloropropane	50.0	54.3		ug/L		109	70 - 130
2,2-Dichloropropane	50.0	54.1		ug/L		108	70 - 130
1,1-Dichloropropene	50.0	51.3		ug/L		103	70 - 130
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130
Hexachlorobutadiene	50.0	52.3		ug/L		105	70 - 130
2-Hexanone	250	247		ug/L		99	70 - 130
Iodomethane	50.0	49.2		ug/L		98	52 - 129
Isopropylbenzene	50.0	49.0		ug/L		98	70 - 130
Methylene Chloride	50.0	57.8		ug/L		116	70 - 130
4-Methyl-2-pentanone (MIBK)	250	245		ug/L		98	68 - 108
Methyl tert-butyl ether	50.0	51.8		ug/L		104	70 - 130
m-Xylene & p-Xylene	50.0	50.1		ug/L		100	70 - 130
Naphthalene	50.0	51.4		ug/L		103	57 - 149
n-Butylbenzene	50.0	47.6		ug/L		95	70 - 130
N-Propylbenzene	50.0	49.4		ug/L		99	70 - 130
o-Xylene	50.0	51.9		ug/L		104	70 - 130
p-Isopropyltoluene	50.0	48.1		ug/L		96	70 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	70 - 130
Styrene	50.0	52.2		ug/L		104	70 - 130
tert-Butylbenzene	50.0	50.4		ug/L		101	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.8		ug/L		104	70 - 130
1,1,2,2-Tetrachloroethane	50.0	47.6		ug/L		95	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668555/3

Matrix: Water

Analysis Batch: 668555

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethylene	50.0	52.6		ug/L		105	70 - 130
Toluene	50.0	52.7		ug/L		105	70 - 130
trans-1,4-Dichloro-2-butene	50.0	52.4		ug/L		105	67 - 112
trans-1,2-Dichloroethene	50.0	52.1		ug/L		104	70 - 130
trans-1,3-Dichloropropene	50.0	58.7		ug/L		117	70 - 130
1,2,3-Trichlorobenzene	50.0	53.0		ug/L		106	61 - 141
1,2,4-Trichlorobenzene	50.0	54.5		ug/L		109	70 - 130
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	70 - 130
1,1,2-Trichloroethane	50.0	53.7		ug/L		107	70 - 130
Trichloroethene	50.0	51.7		ug/L		103	70 - 130
Trichlorofluoromethane	50.0	59.6		ug/L		119	63 - 142
1,2,3-Trichloropropane	50.0	51.0		ug/L		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.1		ug/L		90	63 - 141
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	51.6		ug/L		103	70 - 130
Vinyl acetate	100	99.7		ug/L		100	67 - 135
Vinyl chloride	50.0	54.8		ug/L		110	66 - 129
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	113		70 - 130
1,2-Dichloroethane-d4 (Surr)	115		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-668555/4

Matrix: Water

Analysis Batch: 668555

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	231		ug/L		93	67 - 113	6	30
Acrylonitrile	500	519		ug/L		104	70 - 130	8	30
Benzene	50.0	52.2		ug/L		104	70 - 130	0	30
Bromobenzene	50.0	53.4		ug/L		107	70 - 130	2	30
Bromochloromethane	50.0	50.5		ug/L		101	70 - 130	10	30
Bromodichloromethane	50.0	55.4		ug/L		111	70 - 130	2	30
Bromoform	50.0	52.2		ug/L		104	69 - 129	1	30
Bromomethane	50.0	68.8		ug/L		138	28 - 192	4	30
2-Butanone (MEK)	250	253		ug/L		101	69 - 114	3	30
Carbon disulfide	50.0	50.9		ug/L		102	70 - 130	4	30
Carbon tetrachloride	50.0	51.9		ug/L		104	70 - 130	1	30
Chlorobenzene	50.0	51.9		ug/L		104	70 - 130	3	30
Chloroethane	50.0	56.7		ug/L		113	31 - 213	6	30
Chloroform	50.0	51.5		ug/L		103	70 - 130	2	30
Chloromethane	50.0	50.2		ug/L		100	59 - 127	6	30
2-Chlorotoluene	50.0	50.8		ug/L		102	70 - 130	2	30
4-Chlorotoluene	50.0	51.6		ug/L		103	70 - 130	1	30
cis-1,2-Dichloroethene	50.0	59.9		ug/L		120	70 - 130	5	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668555/4

Matrix: Water

Analysis Batch: 668555

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
cis-1,3-Dichloropropene	50.0	53.9		ug/L		108	70 - 130	2	20
Dibromochloromethane	50.0	54.3		ug/L		109	70 - 130	6	30
1,2-Dibromo-3-Chloropropane	50.0	44.8		ug/L		90	70 - 130	5	30
1,2-Dibromoethane	50.0	53.3		ug/L		107	70 - 130	3	30
Dibromomethane	50.0	54.6		ug/L		109	70 - 130	2	30
1,2-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130	0	30
1,3-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 130	3	30
1,4-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 130	2	30
Dichlorodifluoromethane	50.0	53.5		ug/L		107	70 - 130	2	40
1,1-Dichloroethane	50.0	52.3		ug/L		105	70 - 130	2	30
1,2-Dichloroethane	50.0	56.5		ug/L		113	70 - 130	2	50
1,1-Dichloroethene	50.0	49.5		ug/L		99	70 - 130	4	20
1,2-Dichloropropane	50.0	53.9		ug/L		108	70 - 130	1	20
1,3-Dichloropropane	50.0	52.9		ug/L		106	70 - 130	3	20
2,2-Dichloropropane	50.0	53.9		ug/L		108	70 - 130	0	20
1,1-Dichloropropene	50.0	52.4		ug/L		105	70 - 130	2	20
Ethylbenzene	50.0	52.0		ug/L		104	70 - 130	3	20
Hexachlorobutadiene	50.0	51.8		ug/L		104	70 - 130	1	20
2-Hexanone	250	245		ug/L		98	70 - 130	1	20
Iodomethane	50.0	48.8		ug/L		98	52 - 129	1	30
Isopropylbenzene	50.0	50.7		ug/L		101	70 - 130	3	30
Methylene Chloride	50.0	53.8		ug/L		108	70 - 130	7	30
4-Methyl-2-pentanone (MIBK)	250	244		ug/L		98	68 - 108	0	30
Methyl tert-butyl ether	50.0	51.0		ug/L		102	70 - 130	2	30
m-Xylene & p-Xylene	50.0	51.9		ug/L		104	70 - 130	3	30
Naphthalene	50.0	50.3		ug/L		101	57 - 149	2	30
n-Butylbenzene	50.0	49.3		ug/L		99	70 - 130	3	30
N-Propylbenzene	50.0	51.2		ug/L		102	70 - 130	4	30
o-Xylene	50.0	52.8		ug/L		106	70 - 130	2	30
p-Isopropyltoluene	50.0	50.7		ug/L		101	70 - 130	5	30
sec-Butylbenzene	50.0	50.9		ug/L		102	70 - 130	2	30
Styrene	50.0	53.0		ug/L		106	70 - 130	2	30
tert-Butylbenzene	50.0	50.7		ug/L		101	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	52.0		ug/L		104	70 - 130	0	30
1,1,2,2-Tetrachloroethane	50.0	49.2		ug/L		98	70 - 130	3	30
Tetrachloroethylene	50.0	53.5		ug/L		107	70 - 130	2	30
Toluene	50.0	52.5		ug/L		105	70 - 130	0	30
trans-1,4-Dichloro-2-butene	50.0	55.1		ug/L		110	67 - 112	5	30
trans-1,2-Dichloroethene	50.0	51.9		ug/L		104	70 - 130	0	30
trans-1,3-Dichloropropene	50.0	57.0		ug/L		114	70 - 130	3	30
1,2,3-Trichlorobenzene	50.0	53.0		ug/L		106	61 - 141	0	30
1,2,4-Trichlorobenzene	50.0	51.4		ug/L		103	70 - 130	6	30
1,1,1-Trichloroethane	50.0	51.3		ug/L		103	70 - 130	1	30
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	70 - 130	5	30
Trichloroethene	50.0	51.8		ug/L		104	70 - 130	0	30
Trichlorofluoromethane	50.0	52.3		ug/L		105	63 - 142	13	30
1,2,3-Trichloropropane	50.0	49.1		ug/L		98	70 - 130	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.9		ug/L		94	63 - 141	4	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668555/4

Matrix: Water

Analysis Batch: 668555

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
1,2,4-Trimethylbenzene	50.0	51.7		ug/L		103	70 - 130	2	30
1,3,5-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 130	1	30
Vinyl acetate	100	97.2		ug/L		97	67 - 135	3	30
Vinyl chloride	50.0	51.0		ug/L		102	66 - 129	7	30
Xylenes, Total	100	105		ug/L		105	70 - 130	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	112		60 - 124
Toluene-d8 (Surr)	104		70 - 130

Lab Sample ID: MB 680-668573/8

Matrix: Water

Analysis Batch: 668573

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 13:10	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 13:10	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:10	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 13:10	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 13:10	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:10	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 13:10	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:10	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 13:10	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 13:10	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 13:10	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 13:10	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 13:10	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 13:10	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 13:10	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 13:10	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 13:10	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 13:10	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 13:10	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 13:10	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 13:10	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 13:10	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 13:10	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 13:10	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 13:10	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 13:10	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 13:10	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 13:10	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 13:10	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 13:10	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 13:10	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668573/8

Matrix: Water

Analysis Batch: 668573

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 13:10	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 13:10	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 13:10	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 13:10	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 13:10	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 13:10	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 13:10	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 13:10	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 13:10	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 13:10	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 13:10	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 13:10	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 13:10	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:10	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 13:10	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 13:10	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:10	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 13:10	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 13:10	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 13:10	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:10	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 13:10	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 13:10	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 13:10	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 13:10	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 13:10	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 13:10	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:10	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 13:10	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 13:10	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 13:10	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 13:10	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 13:10	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 13:10	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 13:10	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 13:10	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 13:10	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 13:10	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 13:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		05/14/21 13:10	1
Dibromofluoromethane (Surr)	95		70 - 130		05/14/21 13:10	1
1,2-Dichloroethane-d4 (Surr)	86		60 - 124		05/14/21 13:10	1
Toluene-d8 (Surr)	98		70 - 130		05/14/21 13:10	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668573/3

Matrix: Water

Analysis Batch: 668573

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	292	*+	ug/L		117	67 - 113
Acrylonitrile	500	617		ug/L		123	70 - 130
Benzene	50.0	55.7		ug/L		111	70 - 130
Bromobenzene	50.0	58.6		ug/L		117	70 - 130
Bromochloromethane	50.0	54.0		ug/L		108	70 - 130
Bromodichloromethane	50.0	57.8		ug/L		116	70 - 130
Bromoform	50.0	54.5		ug/L		109	69 - 129
Bromomethane	50.0	62.4		ug/L		125	28 - 192
2-Butanone (MEK)	250	291	*+	ug/L		116	69 - 114
Carbon disulfide	50.0	48.1		ug/L		96	70 - 130
Carbon tetrachloride	50.0	44.4		ug/L		89	70 - 130
Chlorobenzene	50.0	55.2		ug/L		110	70 - 130
Chloroethane	50.0	56.1		ug/L		112	31 - 213
Chloroform	50.0	51.6		ug/L		103	70 - 130
Chloromethane	50.0	52.8		ug/L		106	59 - 127
2-Chlorotoluene	50.0	51.9		ug/L		104	70 - 130
4-Chlorotoluene	50.0	52.7		ug/L		105	70 - 130
cis-1,2-Dichloroethene	50.0	50.7		ug/L		101	70 - 130
cis-1,3-Dichloropropene	50.0	56.2		ug/L		112	70 - 130
Dibromochloromethane	50.0	56.2		ug/L		112	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	45.1		ug/L		90	70 - 130
1,2-Dibromoethane	50.0	61.5		ug/L		123	70 - 130
Dibromomethane	50.0	54.7		ug/L		109	70 - 130
1,2-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 130
1,3-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	52.3		ug/L		105	70 - 130
Dichlorodifluoromethane	50.0	61.0		ug/L		122	70 - 130
1,1-Dichloroethane	50.0	49.8		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	57.5		ug/L		115	70 - 130
1,1-Dichloroethene	50.0	44.5		ug/L		89	70 - 130
1,2-Dichloropropane	50.0	56.4		ug/L		113	70 - 130
1,3-Dichloropropane	50.0	60.3		ug/L		121	70 - 130
2,2-Dichloropropane	50.0	53.3		ug/L		107	70 - 130
1,1-Dichloropropene	50.0	45.2		ug/L		90	70 - 130
Ethylbenzene	50.0	49.4		ug/L		99	70 - 130
Hexachlorobutadiene	50.0	43.3		ug/L		87	70 - 130
2-Hexanone	250	280		ug/L		112	70 - 130
Iodomethane	50.0	47.0		ug/L		94	52 - 129
Isopropylbenzene	50.0	48.8		ug/L		98	70 - 130
Methylene Chloride	50.0	53.1		ug/L		106	70 - 130
4-Methyl-2-pentanone (MIBK)	250	280	*+	ug/L		112	68 - 108
Methyl tert-butyl ether	50.0	59.5		ug/L		119	70 - 130
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	70 - 130
Naphthalene	50.0	43.0		ug/L		86	57 - 149
n-Butylbenzene	50.0	45.4		ug/L		91	70 - 130
N-Propylbenzene	50.0	50.4		ug/L		101	70 - 130
o-Xylene	50.0	51.4		ug/L		103	70 - 130
p-Isopropyltoluene	50.0	46.4		ug/L		93	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668573/3

Matrix: Water

Analysis Batch: 668573

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	50.0	49.9		ug/L		100	70 - 130
Styrene	50.0	54.1		ug/L		108	70 - 130
tert-Butylbenzene	50.0	49.4		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.1		ug/L		104	70 - 130
1,1,2,2-Tetrachloroethane	50.0	60.4		ug/L		121	70 - 130
Tetrachloroethylene	50.0	47.5		ug/L		95	70 - 130
Toluene	50.0	55.9		ug/L		112	70 - 130
trans-1,4-Dichloro-2-butene	50.0	56.9	*+	ug/L		114	67 - 112
trans-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	58.5		ug/L		117	70 - 130
1,2,3-Trichlorobenzene	50.0	38.7		ug/L		77	61 - 141
1,2,4-Trichlorobenzene	50.0	45.6		ug/L		91	70 - 130
1,1,1-Trichloroethane	50.0	46.2		ug/L		92	70 - 130
1,1,2-Trichloroethane	50.0	56.9		ug/L		114	70 - 130
Trichloroethene	50.0	47.8		ug/L		96	70 - 130
Trichlorofluoromethane	50.0	50.0		ug/L		100	63 - 142
1,2,3-Trichloropropane	50.0	58.1		ug/L		116	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	41.6		ug/L		83	63 - 141
1,2,4-Trimethylbenzene	50.0	52.0		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	50.0	51.0		ug/L		102	70 - 130
Vinyl acetate	100	150	*+	ug/L		150	67 - 135
Vinyl chloride	50.0	47.7		ug/L		95	66 - 129
Xylenes, Total	100	102		ug/L		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	108		70 - 130
1,2-Dichloroethane-d4 (Surr)	110		60 - 124
Toluene-d8 (Surr)	106		70 - 130

Lab Sample ID: LCSD 680-668573/4

Matrix: Water

Analysis Batch: 668573

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	249		ug/L		100	67 - 113	16	30
Acrylonitrile	500	531		ug/L		106	70 - 130	15	30
Benzene	50.0	53.6		ug/L		107	70 - 130	4	30
Bromobenzene	50.0	54.5		ug/L		109	70 - 130	7	30
Bromochloromethane	50.0	48.6		ug/L		97	70 - 130	11	30
Bromodichloromethane	50.0	52.2		ug/L		104	70 - 130	10	30
Bromoform	50.0	48.1		ug/L		96	69 - 129	12	30
Bromomethane	50.0	60.3		ug/L		121	28 - 192	3	30
2-Butanone (MEK)	250	255		ug/L		102	69 - 114	13	30
Carbon disulfide	50.0	50.3		ug/L		101	70 - 130	4	30
Carbon tetrachloride	50.0	46.0		ug/L		92	70 - 130	3	30
Chlorobenzene	50.0	52.7		ug/L		105	70 - 130	5	30
Chloroethane	50.0	55.0		ug/L		110	31 - 213	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668573/4

Matrix: Water

Analysis Batch: 668573

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
Chloroform	50.0	48.0		ug/L		96	70 - 130	7	30
Chloromethane	50.0	50.8		ug/L		102	59 - 127	4	30
2-Chlorotoluene	50.0	50.2		ug/L		100	70 - 130	3	30
4-Chlorotoluene	50.0	50.7		ug/L		101	70 - 130	4	30
cis-1,2-Dichloroethene	50.0	47.3		ug/L		95	70 - 130	7	30
cis-1,3-Dichloropropene	50.0	50.8		ug/L		102	70 - 130	10	20
Dibromochloromethane	50.0	49.7		ug/L		99	70 - 130	12	30
1,2-Dibromo-3-Chloropropane	50.0	42.5		ug/L		85	70 - 130	6	30
1,2-Dibromoethane	50.0	53.9		ug/L		108	70 - 130	13	30
Dibromomethane	50.0	47.9		ug/L		96	70 - 130	13	30
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 130	2	30
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 130	1	30
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 130	2	30
Dichlorodifluoromethane	50.0	66.1	*+	ug/L		132	70 - 130	8	40
1,1-Dichloroethane	50.0	47.6		ug/L		95	70 - 130	4	30
1,2-Dichloroethane	50.0	51.3		ug/L		103	70 - 130	11	50
1,1-Dichloroethene	50.0	47.5		ug/L		95	70 - 130	7	20
1,2-Dichloropropane	50.0	51.5		ug/L		103	70 - 130	9	20
1,3-Dichloropropane	50.0	52.8		ug/L		106	70 - 130	13	20
2,2-Dichloropropane	50.0	53.2		ug/L		106	70 - 130	0	20
1,1-Dichloropropene	50.0	47.3		ug/L		95	70 - 130	5	20
Ethylbenzene	50.0	49.2		ug/L		98	70 - 130	0	20
Hexachlorobutadiene	50.0	45.3		ug/L		91	70 - 130	4	20
2-Hexanone	250	241		ug/L		96	70 - 130	15	20
Iodomethane	50.0	46.2		ug/L		92	52 - 129	2	30
Isopropylbenzene	50.0	48.8		ug/L		98	70 - 130	0	30
Methylene Chloride	50.0	48.3		ug/L		97	70 - 130	10	30
4-Methyl-2-pentanone (MIBK)	250	244		ug/L		98	68 - 108	14	30
Methyl tert-butyl ether	50.0	52.3		ug/L		105	70 - 130	13	30
m-Xylene & p-Xylene	50.0	49.4		ug/L		99	70 - 130	2	30
Naphthalene	50.0	42.0		ug/L		84	57 - 149	2	30
n-Butylbenzene	50.0	47.9		ug/L		96	70 - 130	5	30
N-Propylbenzene	50.0	50.6		ug/L		101	70 - 130	0	30
o-Xylene	50.0	49.4		ug/L		99	70 - 130	4	30
p-Isopropyltoluene	50.0	48.0		ug/L		96	70 - 130	3	30
sec-Butylbenzene	50.0	50.5		ug/L		101	70 - 130	1	30
Styrene	50.0	51.5		ug/L		103	70 - 130	5	30
tert-Butylbenzene	50.0	49.4		ug/L		99	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	49.1		ug/L		98	70 - 130	6	30
1,1,2,2-Tetrachloroethane	50.0	53.2		ug/L		106	70 - 130	13	30
Tetrachloroethylene	50.0	48.4		ug/L		97	70 - 130	2	30
Toluene	50.0	53.7		ug/L		107	70 - 130	4	30
trans-1,4-Dichloro-2-butene	50.0	50.9		ug/L		102	67 - 112	11	30
trans-1,2-Dichloroethene	50.0	48.3		ug/L		97	70 - 130	3	30
trans-1,3-Dichloropropene	50.0	51.7		ug/L		103	70 - 130	12	30
1,2,3-Trichlorobenzene	50.0	38.0		ug/L		76	61 - 141	2	30
1,2,4-Trichlorobenzene	50.0	43.8		ug/L		88	70 - 130	4	30
1,1,1-Trichloroethane	50.0	47.2		ug/L		94	70 - 130	2	30
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	70 - 130	11	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668573/4

Matrix: Water

Analysis Batch: 668573

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
Trichloroethene	50.0	46.2		ug/L		92	70 - 130	3	30
Trichlorofluoromethane	50.0	52.5		ug/L		105	63 - 142	5	30
1,2,3-Trichloropropane	50.0	52.8		ug/L		106	70 - 130	9	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.3		ug/L		93	63 - 141	11	30
1,2,4-Trimethylbenzene	50.0	50.1		ug/L		100	70 - 130	4	30
1,3,5-Trimethylbenzene	50.0	50.0		ug/L		100	70 - 130	2	30
Vinyl acetate	100	134		ug/L		134	67 - 135	11	30
Vinyl chloride	50.0	50.2		ug/L		100	66 - 129	5	30
Xylenes, Total	100	98.8		ug/L		99	70 - 130	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
1,2-Dichloroethane-d4 (Surr)	97		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: MB 680-668580/8

Matrix: Water

Analysis Batch: 668580

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 12:55	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 12:55	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 12:55	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 12:55	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 12:55	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 12:55	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 12:55	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 12:55	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 12:55	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 12:55	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 12:55	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 12:55	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 12:55	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 12:55	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 12:55	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 12:55	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 12:55	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 12:55	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 12:55	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 12:55	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 12:55	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 12:55	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 12:55	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 12:55	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 12:55	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 12:55	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 12:55	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668580/8

Matrix: Water

Analysis Batch: 668580

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	0.38	U	1.0	0.38	ug/L			05/14/21 12:55	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 12:55	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 12:55	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 12:55	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 12:55	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 12:55	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 12:55	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 12:55	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 12:55	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 12:55	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 12:55	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 12:55	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 12:55	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 12:55	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 12:55	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 12:55	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 12:55	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 12:55	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 12:55	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 12:55	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 12:55	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 12:55	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 12:55	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 12:55	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 12:55	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 12:55	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 12:55	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 12:55	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 12:55	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 12:55	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 12:55	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 12:55	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 12:55	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 12:55	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 12:55	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 12:55	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 12:55	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 12:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 12:55	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 12:55	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 12:55	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 12:55	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 12:55	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 12:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		05/14/21 12:55	1
Dibromofluoromethane (Surr)	109		70 - 130		05/14/21 12:55	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668580/8

Matrix: Water

Analysis Batch: 668580

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		05/14/21 12:55	1
Toluene-d8 (Surr)	95		70 - 130		05/14/21 12:55	1

Lab Sample ID: LCS 680-668580/3

Matrix: Water

Analysis Batch: 668580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	280		ug/L		112	67 - 113
Acrylonitrile	500	511		ug/L		102	70 - 130
Benzene	50.0	54.4		ug/L		109	70 - 130
Bromobenzene	50.0	56.0		ug/L		112	70 - 130
Bromochloromethane	50.0	54.7		ug/L		109	70 - 130
Bromodichloromethane	50.0	52.8		ug/L		106	70 - 130
Bromoform	50.0	54.5		ug/L		109	69 - 129
Bromomethane	50.0	46.2		ug/L		92	28 - 192
2-Butanone (MEK)	250	267		ug/L		107	69 - 114
Carbon disulfide	50.0	56.4		ug/L		113	70 - 130
Carbon tetrachloride	50.0	49.0		ug/L		98	70 - 130
Chlorobenzene	50.0	53.6		ug/L		107	70 - 130
Chloroethane	50.0	48.0		ug/L		96	31 - 213
Chloroform	50.0	54.1		ug/L		108	70 - 130
Chloromethane	50.0	55.0		ug/L		110	59 - 127
2-Chlorotoluene	50.0	55.7		ug/L		111	70 - 130
4-Chlorotoluene	50.0	55.8		ug/L		112	70 - 130
cis-1,2-Dichloroethene	50.0	56.7		ug/L		113	70 - 130
cis-1,3-Dichloropropene	50.0	56.2		ug/L		112	70 - 130
Dibromochloromethane	50.0	56.1		ug/L		112	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	44.0		ug/L		88	70 - 130
1,2-Dibromoethane	50.0	55.7		ug/L		111	70 - 130
Dibromomethane	50.0	52.8		ug/L		106	70 - 130
1,2-Dichlorobenzene	50.0	53.0		ug/L		106	70 - 130
1,3-Dichlorobenzene	50.0	53.9		ug/L		108	70 - 130
1,4-Dichlorobenzene	50.0	55.2		ug/L		110	70 - 130
Dichlorodifluoromethane	50.0	59.3		ug/L		119	70 - 130
1,1-Dichloroethane	50.0	55.5		ug/L		111	70 - 130
1,2-Dichloroethane	50.0	53.2		ug/L		106	70 - 130
1,1-Dichloroethene	50.0	53.3		ug/L		107	70 - 130
1,2-Dichloropropane	50.0	56.5		ug/L		113	70 - 130
1,3-Dichloropropane	50.0	56.1		ug/L		112	70 - 130
2,2-Dichloropropane	50.0	55.2		ug/L		110	70 - 130
1,1-Dichloropropene	50.0	53.2		ug/L		106	70 - 130
Ethylbenzene	50.0	52.7		ug/L		105	70 - 130
Hexachlorobutadiene	50.0	47.3		ug/L		95	70 - 130
2-Hexanone	250	287		ug/L		115	70 - 130
Iodomethane	50.0	54.2		ug/L		108	52 - 129
Isopropylbenzene	50.0	52.7		ug/L		105	70 - 130
Methylene Chloride	50.0	55.9		ug/L		112	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668580/3

Matrix: Water

Analysis Batch: 668580

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	250	254		ug/L		102	68 - 108
Methyl tert-butyl ether	50.0	53.9		ug/L		108	70 - 130
m-Xylene & p-Xylene	50.0	54.0		ug/L		108	70 - 130
Naphthalene	50.0	35.4		ug/L		71	57 - 149
n-Butylbenzene	50.0	52.0		ug/L		104	70 - 130
N-Propylbenzene	50.0	53.0		ug/L		106	70 - 130
o-Xylene	50.0	55.1		ug/L		110	70 - 130
p-Isopropyltoluene	50.0	53.3		ug/L		107	70 - 130
sec-Butylbenzene	50.0	53.9		ug/L		108	70 - 130
Styrene	50.0	54.6		ug/L		109	70 - 130
tert-Butylbenzene	50.0	56.1		ug/L		112	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.2		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/L		107	70 - 130
Tetrachloroethylene	50.0	51.4		ug/L		103	70 - 130
Toluene	50.0	56.0		ug/L		112	70 - 130
trans-1,4-Dichloro-2-butene	50.0	59.9	*+	ug/L		120	67 - 112
trans-1,2-Dichloroethene	50.0	52.8		ug/L		106	70 - 130
trans-1,3-Dichloropropene	50.0	56.7		ug/L		113	70 - 130
1,2,3-Trichlorobenzene	50.0	34.9		ug/L		70	61 - 141
1,2,4-Trichlorobenzene	50.0	41.1		ug/L		82	70 - 130
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	55.8		ug/L		112	70 - 130
Trichloroethene	50.0	54.5		ug/L		109	70 - 130
Trichlorofluoromethane	50.0	48.8		ug/L		98	63 - 142
1,2,3-Trichloropropane	50.0	51.3		ug/L		103	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.9		ug/L		96	63 - 141
1,2,4-Trimethylbenzene	50.0	54.9		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	50.0	54.3		ug/L		109	70 - 130
Vinyl acetate	100	111		ug/L		111	67 - 135
Vinyl chloride	50.0	52.0		ug/L		104	66 - 129
Xylenes, Total	100	109		ug/L		109	70 - 130

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

Lab Sample ID: LCSD 680-668580/4

Matrix: Water

Analysis Batch: 668580

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	233		ug/L		93	67 - 113	18	30
Acrylonitrile	500	491		ug/L		98	70 - 130	4	30
Benzene	50.0	53.3		ug/L		107	70 - 130	2	30
Bromobenzene	50.0	55.3		ug/L		111	70 - 130	1	30
Bromochloromethane	50.0	52.3		ug/L		105	70 - 130	4	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668580/4

Matrix: Water

Analysis Batch: 668580

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	50.0	51.5		ug/L		103	70 - 130	2	30
Bromoform	50.0	52.1		ug/L		104	69 - 129	5	30
Bromomethane	50.0	39.4		ug/L		79	28 - 192	16	30
2-Butanone (MEK)	250	262		ug/L		105	69 - 114	2	30
Carbon disulfide	50.0	56.6		ug/L		113	70 - 130	0	30
Carbon tetrachloride	50.0	49.4		ug/L		99	70 - 130	1	30
Chlorobenzene	50.0	53.0		ug/L		106	70 - 130	1	30
Chloroethane	50.0	42.9		ug/L		86	31 - 213	11	30
Chloroform	50.0	52.0		ug/L		104	70 - 130	4	30
Chloromethane	50.0	51.6		ug/L		103	59 - 127	6	30
2-Chlorotoluene	50.0	54.2		ug/L		108	70 - 130	3	30
4-Chlorotoluene	50.0	54.4		ug/L		109	70 - 130	3	30
cis-1,2-Dichloroethene	50.0	54.4		ug/L		109	70 - 130	4	30
cis-1,3-Dichloropropene	50.0	54.8		ug/L		110	70 - 130	3	20
Dibromochloromethane	50.0	55.4		ug/L		111	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	50.0	43.8		ug/L		88	70 - 130	0	30
1,2-Dibromoethane	50.0	53.7		ug/L		107	70 - 130	4	30
Dibromomethane	50.0	52.4		ug/L		105	70 - 130	1	30
1,2-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130	3	30
1,3-Dichlorobenzene	50.0	52.8		ug/L		106	70 - 130	2	30
1,4-Dichlorobenzene	50.0	54.0		ug/L		108	70 - 130	2	30
Dichlorodifluoromethane	50.0	60.2		ug/L		120	70 - 130	1	40
1,1-Dichloroethane	50.0	53.4		ug/L		107	70 - 130	4	30
1,2-Dichloroethane	50.0	51.2		ug/L		102	70 - 130	4	50
1,1-Dichloroethene	50.0	53.9		ug/L		108	70 - 130	1	20
1,2-Dichloropropane	50.0	55.5		ug/L		111	70 - 130	2	20
1,3-Dichloropropane	50.0	54.4		ug/L		109	70 - 130	3	20
2,2-Dichloropropane	50.0	53.8		ug/L		108	70 - 130	3	20
1,1-Dichloropropene	50.0	54.2		ug/L		108	70 - 130	2	20
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130	3	20
Hexachlorobutadiene	50.0	46.8		ug/L		94	70 - 130	1	20
2-Hexanone	250	273		ug/L		109	70 - 130	5	20
Iodomethane	50.0	52.9		ug/L		106	52 - 129	2	30
Isopropylbenzene	50.0	52.2		ug/L		104	70 - 130	1	30
Methylene Chloride	50.0	53.6		ug/L		107	70 - 130	4	30
4-Methyl-2-pentanone (MIBK)	250	243		ug/L		97	68 - 108	5	30
Methyl tert-butyl ether	50.0	51.4		ug/L		103	70 - 130	5	30
m-Xylene & p-Xylene	50.0	53.2		ug/L		106	70 - 130	1	30
Naphthalene	50.0	34.4		ug/L		69	57 - 149	3	30
n-Butylbenzene	50.0	52.1		ug/L		104	70 - 130	0	30
N-Propylbenzene	50.0	52.3		ug/L		105	70 - 130	1	30
o-Xylene	50.0	54.1		ug/L		108	70 - 130	2	30
p-Isopropyltoluene	50.0	53.2		ug/L		106	70 - 130	0	30
sec-Butylbenzene	50.0	53.7		ug/L		107	70 - 130	0	30
Styrene	50.0	53.7		ug/L		107	70 - 130	2	30
tert-Butylbenzene	50.0	55.9		ug/L		112	70 - 130	0	30
1,1,1,2-Tetrachloroethane	50.0	49.2		ug/L		98	70 - 130	2	30
1,1,1,2,2-Tetrachloroethane	50.0	52.8		ug/L		106	70 - 130	1	30
Tetrachloroethylene	50.0	53.3		ug/L		107	70 - 130	4	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668580/4

Matrix: Water

Analysis Batch: 668580

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
Toluene	50.0	54.9		ug/L		110	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	54.3		ug/L		109	67 - 112	10	30
trans-1,2-Dichloroethene	50.0	52.7		ug/L		105	70 - 130	0	30
trans-1,3-Dichloropropene	50.0	54.9		ug/L		110	70 - 130	3	30
1,2,3-Trichlorobenzene	50.0	32.3		ug/L		65	61 - 141	8	30
1,2,4-Trichlorobenzene	50.0	40.6		ug/L		81	70 - 130	1	30
1,1,1-Trichloroethane	50.0	47.9		ug/L		96	70 - 130	0	30
1,1,2-Trichloroethane	50.0	54.9		ug/L		110	70 - 130	2	30
Trichloroethene	50.0	53.5		ug/L		107	70 - 130	2	30
Trichlorofluoromethane	50.0	45.6		ug/L		91	63 - 142	7	30
1,2,3-Trichloropropane	50.0	51.8		ug/L		104	70 - 130	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.8		ug/L		110	63 - 141	13	30
1,2,4-Trimethylbenzene	50.0	54.2		ug/L		108	70 - 130	1	30
1,3,5-Trimethylbenzene	50.0	53.2		ug/L		106	70 - 130	2	30
Vinyl acetate	100	107		ug/L		107	67 - 135	3	30
Vinyl chloride	50.0	51.2		ug/L		102	66 - 129	1	30
Xylenes, Total	100	107		ug/L		107	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
Dibromofluoromethane (Surr)	104		70 - 130
1,2-Dichloroethane-d4 (Surr)	100		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: MB 680-668588/8

Matrix: Water

Analysis Batch: 668588

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/14/21 12:54	1
Acrylonitrile	10	U	20	10	ug/L			05/14/21 12:54	1
Benzene	0.43	U	1.0	0.43	ug/L			05/14/21 12:54	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/14/21 12:54	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/14/21 12:54	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/14/21 12:54	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/14/21 12:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/14/21 12:54	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/14/21 12:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/14/21 12:54	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/14/21 12:54	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/14/21 12:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/14/21 12:54	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/14/21 12:54	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/14/21 12:54	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/14/21 12:54	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/14/21 12:54	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/14/21 12:54	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/14/21 12:54	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668588/8

Matrix: Water

Analysis Batch: 668588

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/14/21 12:54	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/14/21 12:54	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/14/21 12:54	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/14/21 12:54	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/14/21 12:54	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/14/21 12:54	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/14/21 12:54	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/14/21 12:54	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/14/21 12:54	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/14/21 12:54	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/14/21 12:54	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/14/21 12:54	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/14/21 12:54	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/14/21 12:54	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/14/21 12:54	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/14/21 12:54	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/14/21 12:54	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/14/21 12:54	1
Iodomethane	5.0	U	10	5.0	ug/L			05/14/21 12:54	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/14/21 12:54	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/14/21 12:54	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/14/21 12:54	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/14/21 12:54	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/14/21 12:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/14/21 12:54	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 12:54	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/14/21 12:54	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/14/21 12:54	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/14/21 12:54	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/14/21 12:54	1
Styrene	0.27	U	1.0	0.27	ug/L			05/14/21 12:54	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/14/21 12:54	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 12:54	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/14/21 12:54	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/14/21 12:54	1
Toluene	0.48	U	1.0	0.48	ug/L			05/14/21 12:54	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/14/21 12:54	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/14/21 12:54	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/14/21 12:54	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 12:54	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/14/21 12:54	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/14/21 12:54	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/14/21 12:54	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/14/21 12:54	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/14/21 12:54	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/14/21 12:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/14/21 12:54	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/14/21 12:54	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/14/21 12:54	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668588/8

Matrix: Water

Analysis Batch: 668588

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/14/21 12:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/14/21 12:54	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/14/21 12:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130					05/14/21 12:54	1
Dibromofluoromethane (Surr)	99		70 - 130					05/14/21 12:54	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124					05/14/21 12:54	1
Toluene-d8 (Surr)	102		70 - 130					05/14/21 12:54	1

Lab Sample ID: LCS 680-668588/3

Matrix: Water

Analysis Batch: 668588

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	301	*+	ug/L		121	67 - 113
Acrylonitrile	500	634		ug/L		127	70 - 130
Benzene	50.0	54.5		ug/L		109	70 - 130
Bromobenzene	50.0	53.1		ug/L		106	70 - 130
Bromochloromethane	50.0	56.0		ug/L		112	70 - 130
Bromodichloromethane	50.0	56.3		ug/L		113	70 - 130
Bromoform	50.0	54.1		ug/L		108	69 - 129
Bromomethane	50.0	52.9		ug/L		106	28 - 192
2-Butanone (MEK)	250	289	*+	ug/L		116	69 - 114
Carbon disulfide	50.0	48.3		ug/L		97	70 - 130
Carbon tetrachloride	50.0	44.1		ug/L		88	70 - 130
Chlorobenzene	50.0	54.8		ug/L		110	70 - 130
Chloroethane	50.0	55.0		ug/L		110	31 - 213
Chloroform	50.0	55.6		ug/L		111	70 - 130
Chloromethane	50.0	62.2		ug/L		124	59 - 127
2-Chlorotoluene	50.0	52.2		ug/L		104	70 - 130
4-Chlorotoluene	50.0	57.2		ug/L		114	70 - 130
cis-1,2-Dichloroethene	50.0	55.6		ug/L		111	70 - 130
cis-1,3-Dichloropropene	50.0	57.7		ug/L		115	70 - 130
Dibromochloromethane	50.0	53.1		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	57.8		ug/L		116	70 - 130
1,2-Dibromoethane	50.0	55.5		ug/L		111	70 - 130
Dibromomethane	50.0	56.1		ug/L		112	70 - 130
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	70 - 130
1,3-Dichlorobenzene	50.0	53.3		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	52.9		ug/L		106	70 - 130
Dichlorodifluoromethane	50.0	60.1		ug/L		120	70 - 130
1,1-Dichloroethane	50.0	56.1		ug/L		112	70 - 130
1,2-Dichloroethane	50.0	55.9		ug/L		112	70 - 130
1,1-Dichloroethene	50.0	44.8		ug/L		90	70 - 130
1,2-Dichloropropane	50.0	57.3		ug/L		115	70 - 130
1,3-Dichloropropane	50.0	56.5		ug/L		113	70 - 130
2,2-Dichloropropane	50.0	49.9		ug/L		100	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668588/3

Matrix: Water

Analysis Batch: 668588

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	50.0	47.6		ug/L		95	70 - 130
Ethylbenzene	50.0	54.9		ug/L		110	70 - 130
Hexachlorobutadiene	50.0	47.0		ug/L		94	70 - 130
2-Hexanone	250	307		ug/L		123	70 - 130
Iodomethane	50.0	54.1		ug/L		108	52 - 129
Isopropylbenzene	50.0	50.2		ug/L		100	70 - 130
Methylene Chloride	50.0	80.9	*+	ug/L		162	70 - 130
4-Methyl-2-pentanone (MIBK)	250	293	*+	ug/L		117	68 - 108
Methyl tert-butyl ether	50.0	55.1		ug/L		110	70 - 130
m-Xylene & p-Xylene	50.0	55.1		ug/L		110	70 - 130
Naphthalene	50.0	79.5	*+	ug/L		159	57 - 149
n-Butylbenzene	50.0	50.0		ug/L		100	70 - 130
N-Propylbenzene	50.0	53.2		ug/L		106	70 - 130
o-Xylene	50.0	54.8		ug/L		110	70 - 130
p-Isopropyltoluene	50.0	49.4		ug/L		99	70 - 130
sec-Butylbenzene	50.0	47.0		ug/L		94	70 - 130
Styrene	50.0	54.0		ug/L		108	70 - 130
tert-Butylbenzene	50.0	49.5		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	50.0	57.2		ug/L		114	70 - 130
1,1,2,2-Tetrachloroethane	50.0	55.3		ug/L		111	70 - 130
Tetrachloroethylene	50.0	54.3		ug/L		109	70 - 130
Toluene	50.0	55.7		ug/L		111	70 - 130
trans-1,4-Dichloro-2-butene	50.0	53.7		ug/L		107	67 - 112
trans-1,2-Dichloroethene	50.0	50.9		ug/L		102	70 - 130
trans-1,3-Dichloropropene	50.0	57.8		ug/L		116	70 - 130
1,2,3-Trichlorobenzene	50.0	67.3		ug/L		135	61 - 141
1,2,4-Trichlorobenzene	50.0	58.9		ug/L		118	70 - 130
1,1,1-Trichloroethane	50.0	48.8		ug/L		98	70 - 130
1,1,2-Trichloroethane	50.0	54.8		ug/L		110	70 - 130
Trichloroethene	50.0	50.1		ug/L		100	70 - 130
Trichlorofluoromethane	50.0	42.9		ug/L		86	63 - 142
1,2,3-Trichloropropane	50.0	59.4		ug/L		119	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	42.4		ug/L		85	63 - 141
1,2,4-Trimethylbenzene	50.0	58.2		ug/L		116	70 - 130
1,3,5-Trimethylbenzene	50.0	51.9		ug/L		104	70 - 130
Vinyl acetate	100	123		ug/L		123	67 - 135
Vinyl chloride	50.0	56.4		ug/L		113	66 - 129
Xylenes, Total	100	110		ug/L		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	118		70 - 130
1,2-Dichloroethane-d4 (Surr)	114		60 - 124
Toluene-d8 (Surr)	112		70 - 130

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668588/4

Matrix: Water

Analysis Batch: 668588

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	227		ug/L		91	67 - 113	28	30
Acrylonitrile	500	519		ug/L		104	70 - 130	20	30
Benzene	50.0	53.4		ug/L		107	70 - 130	2	30
Bromobenzene	50.0	48.8		ug/L		98	70 - 130	9	30
Bromochloromethane	50.0	51.2		ug/L		102	70 - 130	9	30
Bromodichloromethane	50.0	50.5		ug/L		101	70 - 130	11	30
Bromoform	50.0	47.3		ug/L		95	69 - 129	13	30
Bromomethane	50.0	51.5		ug/L		103	28 - 192	3	30
2-Butanone (MEK)	250	244		ug/L		98	69 - 114	17	30
Carbon disulfide	50.0	52.8		ug/L		106	70 - 130	9	30
Carbon tetrachloride	50.0	48.4		ug/L		97	70 - 130	9	30
Chlorobenzene	50.0	52.7		ug/L		105	70 - 130	4	30
Chloroethane	50.0	52.7		ug/L		105	31 - 213	4	30
Chloroform	50.0	52.9		ug/L		106	70 - 130	5	30
Chloromethane	50.0	63.7		ug/L		127	59 - 127	2	30
2-Chlorotoluene	50.0	51.3		ug/L		103	70 - 130	2	30
4-Chlorotoluene	50.0	55.1		ug/L		110	70 - 130	4	30
cis-1,2-Dichloroethene	50.0	52.8		ug/L		106	70 - 130	5	30
cis-1,3-Dichloropropene	50.0	52.3		ug/L		105	70 - 130	10	20
Dibromochloromethane	50.0	47.7		ug/L		95	70 - 130	11	30
1,2-Dibromo-3-Chloropropane	50.0	51.8		ug/L		104	70 - 130	11	30
1,2-Dibromoethane	50.0	48.2		ug/L		96	70 - 130	14	30
Dibromomethane	50.0	49.5		ug/L		99	70 - 130	12	30
1,2-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130	4	30
1,3-Dichlorobenzene	50.0	52.0		ug/L		104	70 - 130	3	30
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 130	3	30
Dichlorodifluoromethane	50.0	67.7	*+	ug/L		135	70 - 130	12	40
1,1-Dichloroethane	50.0	55.6		ug/L		111	70 - 130	1	30
1,2-Dichloroethane	50.0	50.6		ug/L		101	70 - 130	10	50
1,1-Dichloroethene	50.0	49.8		ug/L		100	70 - 130	10	20
1,2-Dichloropropane	50.0	53.3		ug/L		107	70 - 130	7	20
1,3-Dichloropropane	50.0	48.6		ug/L		97	70 - 130	15	20
2,2-Dichloropropane	50.0	52.5		ug/L		105	70 - 130	5	20
1,1-Dichloropropene	50.0	50.6		ug/L		101	70 - 130	6	20
Ethylbenzene	50.0	54.6		ug/L		109	70 - 130	0	20
Hexachlorobutadiene	50.0	49.2		ug/L		98	70 - 130	5	20
2-Hexanone	250	255		ug/L		102	70 - 130	19	20
Iodomethane	50.0	56.5		ug/L		113	52 - 129	4	30
Isopropylbenzene	50.0	51.6		ug/L		103	70 - 130	3	30
Methylene Chloride	50.0	74.4	*+	ug/L		149	70 - 130	8	30
4-Methyl-2-pentanone (MIBK)	250	247		ug/L		99	68 - 108	17	30
Methyl tert-butyl ether	50.0	48.6		ug/L		97	70 - 130	12	30
m-Xylene & p-Xylene	50.0	54.5		ug/L		109	70 - 130	1	30
Naphthalene	50.0	75.2	*+	ug/L		150	57 - 149	6	30
n-Butylbenzene	50.0	52.3		ug/L		105	70 - 130	5	30
N-Propylbenzene	50.0	54.4		ug/L		109	70 - 130	2	30
o-Xylene	50.0	53.8		ug/L		108	70 - 130	2	30
p-Isopropyltoluene	50.0	51.0		ug/L		102	70 - 130	3	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCSD 680-668588/4

Matrix: Water

Analysis Batch: 668588

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
sec-Butylbenzene	50.0	49.6		ug/L		99	70 - 130	5	30
Styrene	50.0	51.5		ug/L		103	70 - 130	5	30
tert-Butylbenzene	50.0	51.1		ug/L		102	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	53.2		ug/L		106	70 - 130	7	30
1,1,2,2-Tetrachloroethane	50.0	48.1		ug/L		96	70 - 130	14	30
Tetrachloroethylene	50.0	56.5		ug/L		113	70 - 130	4	30
Toluene	50.0	55.0		ug/L		110	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	45.9		ug/L		92	67 - 112	16	30
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130	3	30
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	70 - 130	13	30
1,2,3-Trichlorobenzene	50.0	65.0		ug/L		130	61 - 141	3	30
1,2,4-Trichlorobenzene	50.0	55.7		ug/L		111	70 - 130	6	30
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	70 - 130	3	30
1,1,2-Trichloroethane	50.0	48.2		ug/L		96	70 - 130	13	30
Trichloroethene	50.0	51.5		ug/L		103	70 - 130	3	30
Trichlorofluoromethane	50.0	41.3		ug/L		83	63 - 142	4	30
1,2,3-Trichloropropane	50.0	52.5		ug/L		105	70 - 130	12	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.3		ug/L		99	63 - 141	15	30
1,2,4-Trimethylbenzene	50.0	56.9		ug/L		114	70 - 130	2	30
1,3,5-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 130	0	30
Vinyl acetate	100	101		ug/L		101	67 - 135	20	30
Vinyl chloride	50.0	59.5		ug/L		119	66 - 129	5	30
Xylenes, Total	100	108		ug/L		108	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
Dibromofluoromethane (Surr)	109		70 - 130
1,2-Dichloroethane-d4 (Surr)	103		60 - 124
Toluene-d8 (Surr)	108		70 - 130

Lab Sample ID: MB 680-668857/8

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 13:33	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 13:33	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 13:33	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 13:33	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 13:33	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 13:33	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 13:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 13:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 13:33	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 13:33	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 13:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668857/8

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 13:33	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 13:33	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 13:33	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 13:33	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 13:33	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 13:33	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 13:33	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 13:33	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 13:33	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 13:33	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 13:33	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 13:33	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 13:33	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 13:33	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 13:33	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 13:33	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 13:33	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 13:33	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 13:33	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 13:33	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 13:33	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 13:33	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 13:33	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 13:33	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 13:33	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 13:33	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 13:33	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 13:33	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 13:33	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 13:33	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 13:33	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 13:33	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 13:33	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 13:33	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 13:33	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 13:33	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 13:33	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 13:33	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 13:33	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: MB 680-668857/8

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 13:33	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 13:33	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 13:33	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 13:33	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 13:33	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 13:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 13:33	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 13:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		05/17/21 13:33	1
Dibromofluoromethane (Surr)	108		70 - 130		05/17/21 13:33	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		05/17/21 13:33	1
Toluene-d8 (Surr)	96		70 - 130		05/17/21 13:33	1

Lab Sample ID: LCS 680-668857/4

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	278		ug/L		111	67 - 113
Acrylonitrile	500	492		ug/L		98	70 - 130
Benzene	50.0	52.3		ug/L		105	70 - 130
Bromobenzene	50.0	54.8		ug/L		110	70 - 130
Bromochloromethane	50.0	53.6		ug/L		107	70 - 130
Bromodichloromethane	50.0	50.2		ug/L		100	70 - 130
Bromoform	50.0	53.7		ug/L		107	69 - 129
Bromomethane	50.0	54.6		ug/L		109	28 - 192
2-Butanone (MEK)	250	249		ug/L		99	69 - 114
Carbon disulfide	50.0	59.8		ug/L		120	70 - 130
Carbon tetrachloride	50.0	51.0		ug/L		102	70 - 130
Chlorobenzene	50.0	52.2		ug/L		104	70 - 130
Chloroethane	50.0	59.3		ug/L		119	31 - 213
Chloroform	50.0	51.4		ug/L		103	70 - 130
Chloromethane	50.0	68.1	*+	ug/L		136	59 - 127
2-Chlorotoluene	50.0	53.5		ug/L		107	70 - 130
4-Chlorotoluene	50.0	53.2		ug/L		106	70 - 130
cis-1,2-Dichloroethene	50.0	53.8		ug/L		108	70 - 130
cis-1,3-Dichloropropene	50.0	53.3		ug/L		107	70 - 130
Dibromochloromethane	50.0	53.4		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	43.1		ug/L		86	70 - 130
1,2-Dibromoethane	50.0	52.7		ug/L		105	70 - 130
Dibromomethane	50.0	49.7		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	50.8		ug/L		102	70 - 130
1,3-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.7		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	59.8		ug/L		120	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668857/4

Matrix: Water

Analysis Batch: 668857

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	54.4		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	49.0		ug/L		98	70 - 130
1,1-Dichloroethene	50.0	55.4		ug/L		111	70 - 130
1,2-Dichloropropane	50.0	53.2		ug/L		106	70 - 130
1,3-Dichloropropane	50.0	52.9		ug/L		106	70 - 130
2,2-Dichloropropane	50.0	55.0		ug/L		110	70 - 130
1,1-Dichloropropene	50.0	53.0		ug/L		106	70 - 130
Ethylbenzene	50.0	51.6		ug/L		103	70 - 130
Hexachlorobutadiene	50.0	45.9		ug/L		92	70 - 130
2-Hexanone	250	271		ug/L		108	70 - 130
Iodomethane	50.0	53.1		ug/L		106	52 - 129
Isopropylbenzene	50.0	52.8		ug/L		106	70 - 130
Methylene Chloride	50.0	54.0		ug/L		108	70 - 130
4-Methyl-2-pentanone (MIBK)	250	238		ug/L		95	68 - 108
Methyl tert-butyl ether	50.0	51.7		ug/L		103	70 - 130
m-Xylene & p-Xylene	50.0	52.7		ug/L		105	70 - 130
Naphthalene	50.0	33.6		ug/L		67	57 - 149
n-Butylbenzene	50.0	51.9		ug/L		104	70 - 130
N-Propylbenzene	50.0	52.7		ug/L		105	70 - 130
o-Xylene	50.0	53.2		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	52.6		ug/L		105	70 - 130
sec-Butylbenzene	50.0	53.5		ug/L		107	70 - 130
Styrene	50.0	55.2		ug/L		110	70 - 130
tert-Butylbenzene	50.0	54.5		ug/L		109	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.5		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/L		101	70 - 130
Tetrachloroethylene	50.0	52.9		ug/L		106	70 - 130
Toluene	50.0	53.3		ug/L		107	70 - 130
trans-1,4-Dichloro-2-butene	50.0	48.6		ug/L		97	67 - 112
trans-1,2-Dichloroethene	50.0	54.8		ug/L		110	70 - 130
trans-1,3-Dichloropropene	50.0	52.4		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	50.0	32.1		ug/L		64	61 - 141
1,2,4-Trichlorobenzene	50.0	38.5		ug/L		77	70 - 130
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130
Trichloroethene	50.0	53.8		ug/L		108	70 - 130
Trichlorofluoromethane	50.0	58.7		ug/L		117	63 - 142
1,2,3-Trichloropropane	50.0	49.5		ug/L		99	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.7		ug/L		105	63 - 141
1,2,4-Trimethylbenzene	50.0	52.7		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 130
Vinyl acetate	100	112		ug/L		112	67 - 135
Vinyl chloride	50.0	55.4		ug/L		111	66 - 129
Xylenes, Total	100	106		ug/L		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

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

Lab Sample ID: LCS 680-668857/4

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		60 - 124
Toluene-d8 (Surr)	99		70 - 130

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-668916/8

Matrix: Water

Analysis Batch: 668916

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB								
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Ethane	0.30	U	1.1	0.30	ug/L			05/17/21 15:57		1
Ethene	0.31	U	1.0	0.31	ug/L			05/17/21 15:57		1
Methane	0.57	U	0.58	0.57	ug/L			05/17/21 15:57		1
Methane (TCD)	59	U	390	59	ug/L			05/17/21 15:57		1

Lab Sample ID: LCS 680-668916/3

Matrix: Water

Analysis Batch: 668916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits		
Methane (TCD)	1920	1940		ug/L		101	75 - 125			

Lab Sample ID: LCS 680-668916/6

Matrix: Water

Analysis Batch: 668916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits		
Ethane	288	318		ug/L		110	75 - 125			
Ethene	269	284		ug/L		106	75 - 125			
Methane	154	163		ug/L		106	75 - 125			

Lab Sample ID: LCSD 680-668916/4

Matrix: Water

Analysis Batch: 668916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
Methane (TCD)	1920	1950		ug/L		101	75 - 125		0	30

Lab Sample ID: LCSD 680-668916/7

Matrix: Water

Analysis Batch: 668916

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
Ethane	288	307		ug/L		107	75 - 125		3	30
Ethene	269	276		ug/L		102	75 - 125		3	30
Methane	154	158		ug/L		102	75 - 125		3	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-669134/2

Matrix: Water

Analysis Batch: 669134

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			05/18/21 07:39	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			05/18/21 07:39	1

Lab Sample ID: LCS 680-669134/3

Matrix: Water

Analysis Batch: 669134

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.1		mg/L		95	80 - 120
Total Organic Carbon - Quad	20.0	19.1		mg/L		95	80 - 120
TOC Result 1	20.0	19.1		mg/L		95	80 - 120
TOC Result 2	20.0	19.0		mg/L		95	80 - 120
TOC Result 3	20.0	19.1		mg/L		96	80 - 120
TOC Result 4	20.0	19.1		mg/L		96	80 - 120

Lab Sample ID: LCSD 680-669134/4

Matrix: Water

Analysis Batch: 669134

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Total Organic Carbon	20.0	19.2		mg/L		96	80 - 120	1	25
Total Organic Carbon - Quad	20.0	19.2		mg/L		96	80 - 120	1	25
TOC Result 1	20.0	19.3		mg/L		96	80 - 120	1	25
TOC Result 2	20.0	19.1		mg/L		95	80 - 120	1	25
TOC Result 3	20.0	19.3		mg/L		96	80 - 120	1	25
TOC Result 4	20.0	19.4		mg/L		97	80 - 120	1	25

Lab Sample ID: 680-198812-8 MS

Matrix: Water

Analysis Batch: 669134

Client Sample ID: OLF-G74 Port 3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	1.2		20.0	20.8		mg/L		98	80 - 120
Total Organic Carbon - Quad	1.2		20.0	20.8		mg/L		98	80 - 120
TOC Result 1	1.2		20.0	20.7		mg/L		97	80 - 120
TOC Result 2	1.2		20.0	20.7		mg/L		98	80 - 120
TOC Result 3	1.2		20.0	20.7		mg/L		97	80 - 120
TOC Result 4	1.2		20.0	21.0		mg/L		99	80 - 120

Lab Sample ID: 680-198812-8 MSD

Matrix: Water

Analysis Batch: 669134

Client Sample ID: OLF-G74 Port 3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Total Organic Carbon	1.2		20.0	20.7		mg/L		98	80 - 120	0	25
Total Organic Carbon - Quad	1.2		20.0	20.7		mg/L		98	80 - 120	0	25
TOC Result 1	1.2		20.0	20.8		mg/L		98	80 - 120	0	25
TOC Result 2	1.2		20.0	20.6		mg/L		97	80 - 120	0	25
TOC Result 3	1.2		20.0	20.9		mg/L		99	80 - 120	1	25

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198812-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 680-198812-8 MSD

Matrix: Water

Analysis Batch: 669134

Client Sample ID: OLF-G74 Port 3

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
TOC Result 4	1.2		20.0	20.7		mg/L		98	80 - 120	2	25

QC Association Summary

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

Job ID: 680-198812-1

GC/MS VOA

Analysis Batch: 668547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198812-14	OLF-G35	Total/NA	Water	8260B	
680-198812-15	DUP376	Total/NA	Water	8260B	
680-198812-16	OLF-G47	Total/NA	Water	8260B	
MB 680-668547/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668547/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668547/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 668555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198812-17	OLF-G48	Total/NA	Water	8260B	
680-198812-18	OLF-G31	Total/NA	Water	8260B	
680-198812-19	OLF-G19	Total/NA	Water	8260B	
MB 680-668555/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668555/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668555/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 668573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198812-2	OLF-G73 Port 2	Total/NA	Water	8260B	
680-198812-3	OLF-G73 Port 3	Total/NA	Water	8260B	
680-198812-4	OLF-G73 Port 4	Total/NA	Water	8260B	
680-198812-5	OLF-G73 Port 5	Total/NA	Water	8260B	
680-198812-6	OLF-G74 Port 1	Total/NA	Water	8260B	
680-198812-7	OLF-G74 Port 2	Total/NA	Water	8260B	
680-198812-8	OLF-G74 Port 3	Total/NA	Water	8260B	
680-198812-9	OLF-G74 Port 4	Total/NA	Water	8260B	
680-198812-10	OLF-G74 Port 5	Total/NA	Water	8260B	
680-198812-11	OLF-G43	Total/NA	Water	8260B	
680-198812-12	OLF-G18	Total/NA	Water	8260B	
680-198812-13	OLF-G70	Total/NA	Water	8260B	
680-198812-22	OLF-G22	Total/NA	Water	8260B	
MB 680-668573/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668573/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668573/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 668580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198812-23	OLF-G23	Total/NA	Water	8260B	
680-198812-24	PPMP-229-GP12	Total/NA	Water	8260B	
680-198812-25	OLF-G26	Total/NA	Water	8260B	
MB 680-668580/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668580/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668580/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 668588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198812-1	OLF-G73 Port 1	Total/NA	Water	8260B	
680-198812-26	OLF-G21	Total/NA	Water	8260B	
680-198812-27	TB578	Total/NA	Water	8260B	
MB 680-668588/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668588/3	Lab Control Sample	Total/NA	Water	8260B	

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QC Association Summary

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

Job ID: 680-198812-1

GC/MS VOA (Continued)

Analysis Batch: 668588 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-668588/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 668857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198812-20	OLF-G36	Total/NA	Water	8260B	
680-198812-21	OLF-G24	Total/NA	Water	8260B	
MB 680-668857/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668857/4	Lab Control Sample	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 668916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198812-1	OLF-G73 Port 1	Total/NA	Water	RSK-175	
680-198812-2	OLF-G73 Port 2	Total/NA	Water	RSK-175	
680-198812-3	OLF-G73 Port 3	Total/NA	Water	RSK-175	
680-198812-4	OLF-G73 Port 4	Total/NA	Water	RSK-175	
680-198812-5	OLF-G73 Port 5	Total/NA	Water	RSK-175	
680-198812-23	OLF-G23	Total/NA	Water	RSK-175	
MB 680-668916/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-668916/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-668916/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-668916/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-668916/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 669134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198812-1	OLF-G73 Port 1	Total/NA	Water	9060A	
680-198812-2	OLF-G73 Port 2	Total/NA	Water	9060A	
680-198812-3	OLF-G73 Port 3	Total/NA	Water	9060A	
680-198812-4	OLF-G73 Port 4	Total/NA	Water	9060A	
680-198812-5	OLF-G73 Port 5	Total/NA	Water	9060A	
680-198812-6	OLF-G74 Port 1	Total/NA	Water	9060A	
680-198812-7	OLF-G74 Port 2	Total/NA	Water	9060A	
680-198812-8	OLF-G74 Port 3	Total/NA	Water	9060A	
680-198812-9	OLF-G74 Port 4	Total/NA	Water	9060A	
680-198812-10	OLF-G74 Port 5	Total/NA	Water	9060A	
680-198812-15	DUP376	Total/NA	Water	9060A	
MB 680-669134/2	Method Blank	Total/NA	Water	9060A	
LCS 680-669134/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-669134/4	Lab Control Sample Dup	Total/NA	Water	9060A	
680-198812-8 MS	OLF-G74 Port 3	Total/NA	Water	9060A	
680-198812-8 MSD	OLF-G74 Port 3	Total/NA	Water	9060A	

Lab Chronicle

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-198812-1

Date Collected: 05/10/21 10:30

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668588	05/14/21 20:24	Y1S	TAL SAV
		Instrument ID: CMSU								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 16:29	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 09:23	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-198812-2

Date Collected: 05/10/21 10:55

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 16:57	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 16:42	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 09:44	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-198812-3

Date Collected: 05/10/21 11:20

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 17:19	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 16:55	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 10:02	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-198812-4

Date Collected: 05/10/21 11:55

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 17:42	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 17:08	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 10:20	RKJ	TAL SAV
		Instrument ID: TOC7								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-198812-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-198812-5

Date Collected: 05/10/21 12:10

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 18:05	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 17:21	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 10:38	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-198812-6

Date Collected: 05/10/21 14:20

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 18:28	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 10:56	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-198812-7

Date Collected: 05/10/21 14:45

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 18:50	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 11:14	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-198812-8

Date Collected: 05/10/21 15:05

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 19:13	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 12:06	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-198812-9

Date Collected: 05/10/21 15:30

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 19:36	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 16:07	RKJ	TAL SAV
		Instrument ID: TOC7								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-198812-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-198812-10

Date Collected: 05/10/21 15:55

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 19:58	UI	TAL SAV
Instrument ID: CMSO2										
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 16:26	RKJ	TAL SAV
Instrument ID: TOC7										

Client Sample ID: OLF-G43

Lab Sample ID: 680-198812-11

Date Collected: 05/07/21 12:46

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 20:21	UI	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G18

Lab Sample ID: 680-198812-12

Date Collected: 05/06/21 14:05

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 20:44	UI	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G70

Lab Sample ID: 680-198812-13

Date Collected: 05/07/21 10:41

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 21:06	UI	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G35

Lab Sample ID: 680-198812-14

Date Collected: 05/06/21 13:56

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668547	05/14/21 13:52	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: DUP376

Lab Sample ID: 680-198812-15

Date Collected: 05/10/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668547	05/14/21 14:16	P1C	TAL SAV
Instrument ID: CMSAA										
Total/NA	Analysis	9060A		1	40 mL	40 mL	669134	05/18/21 16:44	RKJ	TAL SAV
Instrument ID: TOC7										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-198812-1

Client Sample ID: OLF-G47

Lab Sample ID: 680-198812-16

Date Collected: 05/06/21 09:11

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668547	05/14/21 14:41	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G48

Lab Sample ID: 680-198812-17

Date Collected: 05/06/21 10:25

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668555	05/14/21 13:37	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G31

Lab Sample ID: 680-198812-18

Date Collected: 05/10/21 11:30

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668555	05/14/21 13:59	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G19

Lab Sample ID: 680-198812-19

Date Collected: 05/06/21 12:45

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668555	05/14/21 14:22	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G36

Lab Sample ID: 680-198812-20

Date Collected: 05/07/21 09:01

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668857	05/17/21 18:54	UI	TAL SAV
Instrument ID: CMSS										

Client Sample ID: OLF-G24

Lab Sample ID: 680-198812-21

Date Collected: 05/07/21 11:50

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668857	05/17/21 19:14	UI	TAL SAV
Instrument ID: CMSS										

Lab Chronicle

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

Job ID: 680-198812-1

Client Sample ID: OLF-G22

Lab Sample ID: 680-198812-22

Date Collected: 05/06/21 09:10

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668573	05/14/21 14:24	UI	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G23

Lab Sample ID: 680-198812-23

Date Collected: 05/07/21 10:05

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668580	05/14/21 13:41	UI	TAL SAV
Instrument ID: CMSS										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 17:34	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-198812-24

Date Collected: 05/07/21 13:25

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668580	05/14/21 14:01	UI	TAL SAV
Instrument ID: CMSS										

Client Sample ID: OLF-G26

Lab Sample ID: 680-198812-25

Date Collected: 05/10/21 15:55

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668580	05/14/21 14:20	UI	TAL SAV
Instrument ID: CMSS										

Client Sample ID: OLF-G21

Lab Sample ID: 680-198812-26

Date Collected: 05/06/21 15:30

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668588	05/14/21 13:39	Y1S	TAL SAV
Instrument ID: CMSU										

Client Sample ID: TB578

Lab Sample ID: 680-198812-27

Date Collected: 05/12/21 02:45

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668588	05/14/21 13:59	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: 680-198812-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-21

1

2

3

4

5

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9

10

11

12

Method Summary

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

Job ID: 680-198812-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL SAV
5030B	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 # 20.094.21-05.3.500
 Lab contract:

Cooler ID 6383
 Page 1 of 2
 Cooler 1 of 3

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-G73 Port 1	NS	MW	Water	Grab		5/10/21	10:30	X	X	X	2-40 ml vials, HCl
OLF-G73 Port 2	NS	MW	Water	Grab		5/10/21	10:55	X	X	X	3-40 ml amber vials, H2SO4
OLF-G73 Port 3	NS	MW	Water	Grab		5/10/21	11:20	X	X	X	
OLF-G73 Port 4	NS	MW	Water	Grab		5/10/21	11:55	X	X	X	
OLF-G73 Port 5	NS	MW	Water	Grab		5/10/21	12:10	X	X	X	
OLF-G74 Port 1	NS	MW	Water	Grab		5/10/21	14:20	X	X	X	
OLF-G74 Port 2	NS	MW	Water	Grab		5/10/21	14:45	X	X	X	
OLF-G74 Port 3	NS	MW	Water	Grab		5/10/21	15:05	X	X	X	
OLF-G74 Port 4	NS	MW	Water	Grab		5/10/21	15:30	X	X	X	
OLF-G74 Port 5	NS	MW	Water	Grab		5/10/21	15:55	X	X	X	
OLF-G43	NS	MW	Water	BP		5/7/21	12:46	X			
OLF-G18	NS	MW	Water	BP		5/6/21	14:05	X			
OLF-G70	NS	MW	Water	BP		5/7/21	10:41	X			
OLF-G35	NS	MW	Water	BP		5/6/21	13:56	X			
DUP376	FD	FD	Water	Grab		5/10/21	N/A	X		X	
OLF-G47	NS	MW	Water	BP		5/6/21	9:11	X			
OLF-G48	NS	MW	Water	BP		5/6/21	10:25	X			
OLF-G31	NS	MW	Water	BP		5/10/21	11:30	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.

Relinquished by (Signature):

Date/Time: 5/12/21 16:00

Received by (Signature): FedEx

Double the number of bottles for MS/MSD

Relinquished by (Signature):

Date/Time:

Received by (Signature):

5-13-21 930



cooler lot:

MES Phone 801-699-1246

Task # 20.094.21-05.3.500

Lab contract:

0278

[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

המחלקה לבריאות הציבור

המחלקה לבריאות הציבור

Received by (Signature):

Date/Time: 12/21/15 00:00

Received by (Signature):

FedEx

Date/Time:

Received by (Signature):

Received by (Signature): *T.A.* 5-13-21 930

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-198812-1

Login Number: 198812

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	

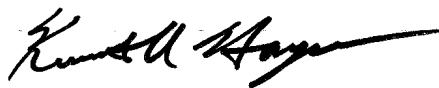
ANALYTICAL REPORT

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

Laboratory Job ID: 680-198823-1
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:
5/20/2021 1:40:54 PM

Ken Hayes, Project Manager II
(615)301-5035
Ken.Hayes@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: 680-198823-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
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.
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.

General Chemistry

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: 680-198823-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-198823-1	OLF-G72 Port 1	Water	05/11/21 13:50	05/13/21 09:30	
680-198823-2	OLF-G72 Port 2	Water	05/11/21 14:35	05/13/21 09:30	
680-198823-3	OLF-G72 Port 3	Water	05/11/21 15:00	05/13/21 09:30	
680-198823-4	OLF-G72 Port 4	Water	05/11/21 15:25	05/13/21 09:30	
680-198823-5	OLF-G72 Port 5	Water	05/11/21 15:45	05/13/21 09:30	
680-198823-6	OLF-G72 Port 6	Water	05/11/21 16:10	05/13/21 09:30	
680-198823-7	OLF-G71 Port 1	Water	05/11/21 10:30	05/13/21 09:30	
680-198823-8	OLF-G71 Port 2	Water	05/11/21 10:45	05/13/21 09:30	
680-198823-9	OLF-G71 Port 3	Water	05/11/21 11:05	05/13/21 09:30	
680-198823-10	OLF-G71 Port 4	Water	05/11/21 11:20	05/13/21 09:30	
680-198823-11	OLF-G71 Port 5	Water	05/11/21 11:45	05/13/21 09:30	
680-198823-12	DUP373	Water	05/06/21 00:00	05/13/21 09:30	
680-198823-13	OLF-G12	Water	05/06/21 10:55	05/13/21 09:30	
680-198823-14	OLF-G42	Water	05/11/21 14:50	05/13/21 09:30	
680-198823-15	OLF-G20	Water	05/11/21 16:30	05/13/21 09:30	
680-198823-16	OLF-G75 Screen 3	Water	05/11/21 12:40	05/13/21 09:30	
680-198823-17	OLF-G75 Screen 5	Water	05/11/21 11:10	05/13/21 09:30	
680-198823-18	OLF-G49	Water	05/12/21 12:21	05/13/21 09:30	
680-198823-19	OLF-G50	Water	05/12/21 11:06	05/13/21 09:30	
680-198823-20	OLF-G51	Water	05/12/21 10:01	05/13/21 09:30	
680-198823-21	OLF-G32	Water	05/10/21 09:50	05/13/21 09:30	
680-198823-22	OLF-G52	Water	05/10/21 14:20	05/13/21 09:30	
680-198823-23	OLF-G16	Water	05/12/21 10:25	05/13/21 09:30	
680-198823-24	TB579	Water	05/12/21 02:45	05/13/21 09:30	
680-198823-25	DUP374	Water	05/06/21 00:00	05/13/21 09:30	

Case Narrative

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

Job ID: 680-198823-1

Job ID: 680-198823-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-198823-1

Comments

No additional comments.

Receipt

The samples were received on 5/13/2021 9:30 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 3.5° C.

GC/MS VOA

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-668761 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668761.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-668761 recovered outside control limits for the following analyte: Vinyl acetate. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The method blank for analytical batch 680-668824 contained Naphthalene above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668832.

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

HPLC/IC

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

GC Semi VOA

No analytical or quality issues were noted, other than those described 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: 680-198823-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-198823-1

Date Collected: 05/11/21 13:50

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 16:11	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 16:11	1
Benzene	1.3		1.0	0.43	ug/L			05/17/21 16:11	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 16:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 16:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 16:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 16:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 16:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 16:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 16:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 16:11	1
Chlorobenzene	61		1.0	0.26	ug/L			05/17/21 16:11	1
Chloroethane	7.0		5.0	2.5	ug/L			05/17/21 16:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 16:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 16:11	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 16:11	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 16:11	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 16:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 16:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 16:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 16:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 16:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 16:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 16:11	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 16:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 16:11	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 16:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 16:11	1
1,2-Dichloroethane	1.4		1.0	0.50	ug/L			05/17/21 16:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 16:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 16:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 16:11	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 16:11	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 16:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 16:11	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 16:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 16:11	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 16:11	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 16:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 16:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 16:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 16:11	1
m-Xylene & p-Xylene	0.36	J	1.0	0.35	ug/L			05/17/21 16:11	1
Naphthalene	2.5	U F2	5.0	2.5	ug/L			05/17/21 16:11	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 16:11	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 16:11	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 16:11	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 16:11	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 16:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-198823-1

Date Collected: 05/11/21 13:50

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 16:11	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 16:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 16:11	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 16:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 16:11	1
Toluene	2.7		1.0	0.48	ug/L			05/17/21 16:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 16:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 16:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 16:11	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 16:11	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 16:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 16:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 16:11	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 16:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 16:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 16:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 16:11	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 16:11	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 16:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 16:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 16:11	1
Xylenes, Total	0.36	J	1.0	0.23	ug/L			05/17/21 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		05/17/21 16:11	1
Dibromofluoromethane (Surr)	103		70 - 130		05/17/21 16:11	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/17/21 16:11	1
Toluene-d8 (Surr)	95		70 - 130		05/17/21 16:11	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	52		1.1	0.30	ug/L			05/17/21 17:47	1
Ethene	11		1.0	0.31	ug/L			05/17/21 17:47	1
Methane (TCD)	38000		7800	1200	ug/L			05/18/21 18:34	20

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	4.5		1.0	0.50	mg/L			05/18/21 02:47	1
Total Organic Carbon - Quad	4.5		1.0	0.50	mg/L			05/18/21 02:47	1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-198823-2

Date Collected: 05/11/21 14:35

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 16:36	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 16:36	1
Benzene	1.8		1.0	0.43	ug/L			05/17/21 16:36	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 16:36	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 16:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-198823-2

Date Collected: 05/11/21 14:35

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 16:36	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 16:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 16:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 16:36	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 16:36	1
Chlorobenzene	48		1.0	0.26	ug/L			05/17/21 16:36	1
Chloroethane	3.5	J	5.0	2.5	ug/L			05/17/21 16:36	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 16:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 16:36	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 16:36	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 16:36	1
cis-1,2-Dichloroethene	1.0		1.0	0.41	ug/L			05/17/21 16:36	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 16:36	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 16:36	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 16:36	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 16:36	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 16:36	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 16:36	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 16:36	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 16:36	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 16:36	1
1,2-Dichloroethane	0.51	J	1.0	0.50	ug/L			05/17/21 16:36	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 16:36	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 16:36	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 16:36	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 16:36	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 16:36	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 16:36	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 16:36	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 16:36	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 16:36	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 16:36	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 16:36	1
Naphthalene	3.6	J B	5.0	2.5	ug/L			05/17/21 16:36	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 16:36	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 16:36	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 16:36	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 16:36	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 16:36	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 16:36	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 16:36	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 16:36	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 16:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-198823-2

Date Collected: 05/11/21 14:35

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	7.0		1.0	0.48	ug/L			05/17/21 16:36	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 16:36	1
trans-1,2-Dichloroethene	1.5		1.0	0.37	ug/L			05/17/21 16:36	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 16:36	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 16:36	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 16:36	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 16:36	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 16:36	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 16:36	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 16:36	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 16:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 16:36	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		05/17/21 16:36	1
Dibromofluoromethane (Surr)	101		70 - 130		05/17/21 16:36	1
1,2-Dichloroethane-d4 (Surr)	84		60 - 124		05/17/21 16:36	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 16:36	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			05/17/21 18:26	1
Ethene	4.2		1.0	0.31	ug/L			05/17/21 18:26	1
Methane (TCD)	15000		390	59	ug/L			05/17/21 18:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	53		1.0	0.50	mg/L			05/18/21 03:40	1
Total Organic Carbon - Quad	53		1.0	0.50	mg/L			05/18/21 03:40	1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-198823-3

Date Collected: 05/11/21 15:00

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 17:00	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 17:00	1
Benzene	1.7		1.0	0.43	ug/L			05/17/21 17:00	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 17:00	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 17:00	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:00	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 17:00	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:00	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 17:00	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 17:00	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-198823-3

Date Collected: 05/11/21 15:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 17:00	1
Chlorobenzene	11		1.0	0.26	ug/L			05/17/21 17:00	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:00	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 17:00	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 17:00	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 17:00	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 17:00	1
cis-1,2-Dichloroethene	0.70	J	1.0	0.41	ug/L			05/17/21 17:00	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 17:00	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 17:00	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 17:00	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:00	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 17:00	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 17:00	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 17:00	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 17:00	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 17:00	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 17:00	1
1,2-Dichloroethane	1.3		1.0	0.50	ug/L			05/17/21 17:00	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 17:00	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 17:00	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 17:00	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 17:00	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 17:00	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 17:00	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 17:00	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 17:00	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 17:00	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 17:00	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 17:00	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 17:00	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 17:00	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 17:00	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 17:00	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:00	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 17:00	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 17:00	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 17:00	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 17:00	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 17:00	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 17:00	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:00	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 17:00	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 17:00	1
Toluene	3.9		1.0	0.48	ug/L			05/17/21 17:00	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 17:00	1
trans-1,2-Dichloroethene	1.2		1.0	0.37	ug/L			05/17/21 17:00	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 17:00	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:00	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-198823-3

Date Collected: 05/11/21 15:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:00	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:00	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 17:00	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 17:00	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 17:00	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 17:00	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:00	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 17:00	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 17:00	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 17:00	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		05/17/21 17:00	1
Dibromofluoromethane (Surr)	102		70 - 130		05/17/21 17:00	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/17/21 17:00	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 17:00	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	51		1.1	0.30	ug/L			05/17/21 18:39	1
Ethene	14		1.0	0.31	ug/L			05/17/21 18:39	1
Methane (TCD)	17000		390	59	ug/L			05/17/21 18:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	4.7		1.0	0.50	mg/L			05/18/21 04:00	1
Total Organic Carbon - Quad	4.7		1.0	0.50	mg/L			05/18/21 04:00	1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-198823-4

Date Collected: 05/11/21 15:25

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 17:25	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 17:25	1
Benzene	0.98	J	1.0	0.43	ug/L			05/17/21 17:25	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 17:25	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 17:25	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:25	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 17:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:25	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 17:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 17:25	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 17:25	1
Chlorobenzene	5.5		1.0	0.26	ug/L			05/17/21 17:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:25	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 17:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 17:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-198823-4

Date Collected: 05/11/21 15:25

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 17:25	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 17:25	1
cis-1,2-Dichloroethene	0.54	J	1.0	0.41	ug/L			05/17/21 17:25	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 17:25	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 17:25	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 17:25	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:25	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 17:25	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 17:25	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 17:25	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 17:25	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 17:25	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 17:25	1
1,2-Dichloroethane	0.68	J	1.0	0.50	ug/L			05/17/21 17:25	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 17:25	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 17:25	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 17:25	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 17:25	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 17:25	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 17:25	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 17:25	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 17:25	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 17:25	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 17:25	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 17:25	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 17:25	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 17:25	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 17:25	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 17:25	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:25	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 17:25	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 17:25	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 17:25	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 17:25	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 17:25	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 17:25	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:25	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 17:25	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 17:25	1
Toluene	1.6		1.0	0.48	ug/L			05/17/21 17:25	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 17:25	1
trans-1,2-Dichloroethene	0.61	J	1.0	0.37	ug/L			05/17/21 17:25	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 17:25	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:25	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:25	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:25	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 17:25	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 17:25	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 17:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-198823-4

Date Collected: 05/11/21 15:25

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 17:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 17:25	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:25	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 17:25	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 17:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 17:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		05/17/21 17:25	1
Dibromofluoromethane (Surr)	103		70 - 130		05/17/21 17:25	1
1,2-Dichloroethane-d4 (Surr)	87		60 - 124		05/17/21 17:25	1
Toluene-d8 (Surr)	93		70 - 130		05/17/21 17:25	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	1.4		1.1	0.30	ug/L			05/17/21 20:02	1
Ethene	0.31	U	1.0	0.31	ug/L			05/17/21 20:02	1
Methane (TCD)	28000		390	59	ug/L			05/17/21 20:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	10		1.0	0.50	mg/L			05/18/21 04:20	1
Total Organic Carbon - Quad	10		1.0	0.50	mg/L			05/18/21 04:20	1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-198823-5

Date Collected: 05/11/21 15:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 17:49	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 17:49	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 17:49	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 17:49	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 17:49	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:49	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 17:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:49	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 17:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 17:49	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 17:49	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 17:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:49	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 17:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 17:49	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 17:49	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 17:49	1
cis-1,2-Dichloroethene	2.3		1.0	0.41	ug/L			05/17/21 17:49	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 17:49	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 17:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-198823-5

Date Collected: 05/11/21 15:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 17:49	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:49	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 17:49	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 17:49	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 17:49	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 17:49	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 17:49	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 17:49	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 17:49	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 17:49	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 17:49	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 17:49	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 17:49	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 17:49	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 17:49	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 17:49	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 17:49	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 17:49	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 17:49	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 17:49	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 17:49	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 17:49	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 17:49	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 17:49	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:49	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 17:49	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 17:49	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 17:49	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 17:49	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 17:49	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 17:49	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:49	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 17:49	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 17:49	1
Toluene	0.97	J	1.0	0.48	ug/L			05/17/21 17:49	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 17:49	1
trans-1,2-Dichloroethene	1.3		1.0	0.37	ug/L			05/17/21 17:49	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 17:49	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:49	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:49	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:49	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 17:49	1
Trichloroethene	14		1.0	0.48	ug/L			05/17/21 17:49	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 17:49	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 17:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 17:49	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:49	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 17:49	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 17:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-198823-5

Date Collected: 05/11/21 15:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.94	J	1.0	0.50	ug/L			05/17/21 17:49	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 17:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130					05/17/21 17:49	1
Dibromofluoromethane (Surr)	103		70 - 130					05/17/21 17:49	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124					05/17/21 17:49	1
Toluene-d8 (Surr)	94		70 - 130					05/17/21 17:49	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			05/17/21 20:15	1
Ethene	5.9		1.0	0.31	ug/L			05/17/21 20:15	1
Methane (TCD)	8900		390	59	ug/L			05/17/21 20:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.7		1.0	0.50	mg/L			05/18/21 04:39	1
Total Organic Carbon - Quad	1.7		1.0	0.50	mg/L			05/18/21 04:39	1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-198823-6

Date Collected: 05/11/21 16:10

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 18:14	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 18:14	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:14	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 18:14	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 18:14	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:14	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 18:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:14	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 18:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 18:14	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 18:14	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 18:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:14	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 18:14	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 18:14	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 18:14	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 18:14	1
cis-1,2-Dichloroethene	5.1		1.0	0.41	ug/L			05/17/21 18:14	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 18:14	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 18:14	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 18:14	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:14	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 18:14	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 18:14	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:14	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-198823-6

Date Collected: 05/11/21 16:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 18:14	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 18:14	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 18:14	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 18:14	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 18:14	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 18:14	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 18:14	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 18:14	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 18:14	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 18:14	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 18:14	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 18:14	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 18:14	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 18:14	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 18:14	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 18:14	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 18:14	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 18:14	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 18:14	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:14	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 18:14	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 18:14	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:14	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 18:14	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 18:14	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 18:14	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:14	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 18:14	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 18:14	1
Toluene	0.80	J	1.0	0.48	ug/L			05/17/21 18:14	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 18:14	1
trans-1,2-Dichloroethene	0.89	J	1.0	0.37	ug/L			05/17/21 18:14	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 18:14	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:14	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:14	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:14	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 18:14	1
Trichloroethene	14		1.0	0.48	ug/L			05/17/21 18:14	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 18:14	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 18:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 18:14	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:14	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 18:14	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 18:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 18:14	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 18:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		05/17/21 18:14	1
Dibromofluoromethane (Surr)	105		70 - 130		05/17/21 18:14	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-198823-6

Date Collected: 05/11/21 16:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/17/21 18:14	1
Toluene-d8 (Surr)	95		70 - 130		05/17/21 18:14	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.8		1.1	0.30	ug/L			05/17/21 20:28	1
Ethene	1.9		1.0	0.31	ug/L			05/17/21 20:28	1
Methane (TCD)	4000		390	59	ug/L			05/17/21 20:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.2		1.0	0.50	mg/L			05/18/21 04:58	1
Total Organic Carbon - Quad	1.2		1.0	0.50	mg/L			05/18/21 04:58	1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-198823-7

Date Collected: 05/11/21 10:30

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 18:39	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 18:39	1
Benzene	0.95	J	1.0	0.43	ug/L			05/17/21 18:39	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 18:39	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 18:39	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:39	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 18:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:39	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 18:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 18:39	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 18:39	1
Chlorobenzene	6.1		1.0	0.26	ug/L			05/17/21 18:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:39	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 18:39	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 18:39	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 18:39	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 18:39	1
cis-1,2-Dichloroethene	110		1.0	0.41	ug/L			05/17/21 18:39	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 18:39	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 18:39	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 18:39	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:39	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 18:39	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 18:39	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:39	1
1,4-Dichlorobenzene	0.66	J	1.0	0.46	ug/L			05/17/21 18:39	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 18:39	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 18:39	1
1,2-Dichloroethane	0.78	J	1.0	0.50	ug/L			05/17/21 18:39	1
1,1-Dichloroethene	0.86	J	1.0	0.36	ug/L			05/17/21 18:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-198823-7

Date Collected: 05/11/21 10:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 18:39	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 18:39	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 18:39	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 18:39	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 18:39	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 18:39	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 18:39	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 18:39	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 18:39	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 18:39	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 18:39	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 18:39	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 18:39	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 18:39	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:39	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 18:39	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 18:39	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:39	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 18:39	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 18:39	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 18:39	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:39	1
1,1,2,2-Tetrachloroethane	1.7		1.0	0.62	ug/L			05/17/21 18:39	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 18:39	1
Toluene	0.88	J	1.0	0.48	ug/L			05/17/21 18:39	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 18:39	1
trans-1,2-Dichloroethene	16		1.0	0.37	ug/L			05/17/21 18:39	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 18:39	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:39	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:39	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:39	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 18:39	1
Trichloroethene	100		1.0	0.48	ug/L			05/17/21 18:39	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 18:39	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 18:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 18:39	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:39	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 18:39	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 18:39	1
Vinyl chloride	13		1.0	0.50	ug/L			05/17/21 18:39	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		05/17/21 18:39	1
Dibromofluoromethane (Surr)	99		70 - 130		05/17/21 18:39	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/17/21 18:39	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 18:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-198823-8

Date Collected: 05/11/21 10:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 19:03	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 19:03	1
Benzene	0.51	J	1.0	0.43	ug/L			05/17/21 19:03	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 19:03	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 19:03	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:03	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 19:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:03	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 19:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 19:03	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 19:03	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 19:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:03	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 19:03	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 19:03	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 19:03	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 19:03	1
cis-1,2-Dichloroethene	33		1.0	0.41	ug/L			05/17/21 19:03	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 19:03	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 19:03	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 19:03	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:03	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 19:03	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 19:03	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:03	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 19:03	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 19:03	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 19:03	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 19:03	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 19:03	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 19:03	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 19:03	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 19:03	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 19:03	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 19:03	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 19:03	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 19:03	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 19:03	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 19:03	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 19:03	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 19:03	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 19:03	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 19:03	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 19:03	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:03	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 19:03	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 19:03	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:03	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 19:03	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-198823-8

Date Collected: 05/11/21 10:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 19:03	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 19:03	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:03	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 19:03	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 19:03	1
Toluene	2.0		1.0	0.48	ug/L			05/17/21 19:03	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 19:03	1
trans-1,2-Dichloroethene	2.1		1.0	0.37	ug/L			05/17/21 19:03	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 19:03	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:03	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:03	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:03	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 19:03	1
Trichloroethene	2.9		1.0	0.48	ug/L			05/17/21 19:03	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 19:03	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 19:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 19:03	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:03	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 19:03	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 19:03	1
Vinyl chloride	1.9		1.0	0.50	ug/L			05/17/21 19:03	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		05/17/21 19:03	1
Dibromofluoromethane (Surr)	102		70 - 130		05/17/21 19:03	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/17/21 19:03	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 19:03	1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-198823-9

Date Collected: 05/11/21 11:05

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 19:28	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 19:28	1
Benzene	0.57	J	1.0	0.43	ug/L			05/17/21 19:28	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 19:28	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 19:28	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:28	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 19:28	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:28	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 19:28	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 19:28	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 19:28	1
Chlorobenzene	2.0		1.0	0.26	ug/L			05/17/21 19:28	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:28	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 19:28	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 19:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-198823-9

Date Collected: 05/11/21 11:05

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 19:28	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 19:28	1
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L			05/17/21 19:28	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 19:28	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 19:28	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 19:28	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:28	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 19:28	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 19:28	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:28	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 19:28	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 19:28	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 19:28	1
1,2-Dichloroethane	0.58 J		1.0	0.50	ug/L			05/17/21 19:28	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 19:28	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 19:28	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 19:28	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 19:28	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 19:28	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 19:28	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 19:28	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 19:28	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 19:28	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 19:28	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 19:28	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 19:28	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 19:28	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 19:28	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 19:28	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:28	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 19:28	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 19:28	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:28	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 19:28	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 19:28	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 19:28	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:28	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 19:28	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 19:28	1
Toluene	0.96 J		1.0	0.48	ug/L			05/17/21 19:28	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 19:28	1
trans-1,2-Dichloroethene	3.5		1.0	0.37	ug/L			05/17/21 19:28	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 19:28	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:28	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:28	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:28	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 19:28	1
Trichloroethene	33		1.0	0.48	ug/L			05/17/21 19:28	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 19:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-198823-9

Date Collected: 05/11/21 11:05

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 19:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 19:28	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:28	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 19:28	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 19:28	1
Vinyl chloride	2.9		1.0	0.50	ug/L			05/17/21 19:28	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		05/17/21 19:28	1
Dibromofluoromethane (Surr)	104		70 - 130		05/17/21 19:28	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		05/17/21 19:28	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 19:28	1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-198823-10

Date Collected: 05/11/21 11:20

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 19:53	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 19:53	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:53	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 19:53	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 19:53	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:53	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 19:53	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 19:53	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 19:53	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 19:53	1
Chlorobenzene	1.4		1.0	0.26	ug/L			05/17/21 19:53	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 19:53	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 19:53	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 19:53	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 19:53	1
cis-1,2-Dichloroethene	13		1.0	0.41	ug/L			05/17/21 19:53	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 19:53	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 19:53	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 19:53	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:53	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 19:53	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 19:53	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:53	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 19:53	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 19:53	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 19:53	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 19:53	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 19:53	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-198823-10

Date Collected: 05/11/21 11:20

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 19:53	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 19:53	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 19:53	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 19:53	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 19:53	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 19:53	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 19:53	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 19:53	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 19:53	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 19:53	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 19:53	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:53	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 19:53	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 19:53	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:53	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 19:53	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 19:53	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 19:53	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:53	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 19:53	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 19:53	1
Toluene	0.67	J	1.0	0.48	ug/L			05/17/21 19:53	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 19:53	1
trans-1,2-Dichloroethene	1.2		1.0	0.37	ug/L			05/17/21 19:53	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 19:53	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:53	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 19:53	1
Trichloroethene	7.3		1.0	0.48	ug/L			05/17/21 19:53	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 19:53	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 19:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 19:53	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:53	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 19:53	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 19:53	1
Vinyl chloride	1.7		1.0	0.50	ug/L			05/17/21 19:53	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		05/17/21 19:53	1
Dibromofluoromethane (Surr)	102		70 - 130		05/17/21 19:53	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		05/17/21 19:53	1
Toluene-d8 (Surr)	95		70 - 130		05/17/21 19:53	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-198823-11

Date Collected: 05/11/21 11:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 20:18	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 20:18	1
Benzene	0.97	J	1.0	0.43	ug/L			05/17/21 20:18	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 20:18	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 20:18	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:18	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 20:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:18	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 20:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 20:18	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 20:18	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 20:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:18	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 20:18	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 20:18	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 20:18	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 20:18	1
cis-1,2-Dichloroethene	2.9		1.0	0.41	ug/L			05/17/21 20:18	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 20:18	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 20:18	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 20:18	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:18	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 20:18	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 20:18	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:18	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 20:18	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 20:18	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 20:18	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 20:18	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 20:18	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 20:18	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 20:18	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 20:18	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 20:18	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 20:18	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 20:18	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 20:18	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 20:18	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 20:18	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 20:18	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 20:18	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 20:18	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 20:18	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 20:18	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:18	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 20:18	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 20:18	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:18	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 20:18	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-198823-11

Date Collected: 05/11/21 11:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 20:18	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 20:18	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:18	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 20:18	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 20:18	1
Toluene	1.3		1.0	0.48	ug/L			05/17/21 20:18	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 20:18	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 20:18	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 20:18	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:18	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:18	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:18	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 20:18	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 20:18	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 20:18	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 20:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 20:18	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:18	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 20:18	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 20:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 20:18	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		05/17/21 20:18	1
Dibromofluoromethane (Surr)	104		70 - 130		05/17/21 20:18	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/17/21 20:18	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 20:18	1

Client Sample ID: DUP373

Lab Sample ID: 680-198823-12

Date Collected: 05/06/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 20:42	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 20:42	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:42	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 20:42	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 20:42	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:42	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 20:42	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:42	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 20:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 20:42	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 20:42	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 20:42	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:42	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 20:42	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 20:42	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: DUP373

Lab Sample ID: 680-198823-12

Date Collected: 05/06/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 20:42	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 20:42	1
cis-1,2-Dichloroethene	5.0		1.0	0.41	ug/L			05/17/21 20:42	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 20:42	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 20:42	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 20:42	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:42	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 20:42	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 20:42	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:42	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 20:42	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 20:42	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 20:42	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 20:42	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 20:42	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 20:42	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 20:42	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 20:42	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 20:42	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 20:42	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 20:42	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 20:42	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 20:42	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 20:42	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 20:42	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 20:42	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 20:42	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 20:42	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 20:42	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:42	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 20:42	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 20:42	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:42	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 20:42	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 20:42	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 20:42	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:42	1
1,1,2,2-Tetrachloroethane	1.8		1.0	0.62	ug/L			05/17/21 20:42	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 20:42	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:42	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 20:42	1
trans-1,2-Dichloroethene	1.3		1.0	0.37	ug/L			05/17/21 20:42	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 20:42	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:42	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:42	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:42	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 20:42	1
Trichloroethene	29		1.0	0.48	ug/L			05/17/21 20:42	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 20:42	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: DUP373

Lab Sample ID: 680-198823-12

Date Collected: 05/06/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 20:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 20:42	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:42	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 20:42	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 20:42	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 20:42	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		05/17/21 20:42	1
Dibromofluoromethane (Surr)	108		70 - 130		05/17/21 20:42	1
1,2-Dichloroethane-d4 (Surr)	93		60 - 124		05/17/21 20:42	1
Toluene-d8 (Surr)	95		70 - 130		05/17/21 20:42	1

Client Sample ID: OLF-G12

Lab Sample ID: 680-198823-13

Date Collected: 05/06/21 10:55

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/16/21 15:01	1
Acrylonitrile	10	U	20	10	ug/L			05/16/21 15:01	1
Benzene	0.43	U	1.0	0.43	ug/L			05/16/21 15:01	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/16/21 15:01	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/16/21 15:01	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/16/21 15:01	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/16/21 15:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/21 15:01	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/16/21 15:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/21 15:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/16/21 15:01	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/16/21 15:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/21 15:01	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/16/21 15:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/16/21 15:01	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/16/21 15:01	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/16/21 15:01	1
cis-1,2-Dichloroethene	10		1.0	0.41	ug/L			05/16/21 15:01	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/16/21 15:01	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/16/21 15:01	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/16/21 15:01	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/16/21 15:01	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/16/21 15:01	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/16/21 15:01	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/16/21 15:01	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/16/21 15:01	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/16/21 15:01	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/16/21 15:01	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/16/21 15:01	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/16/21 15:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G12

Lab Sample ID: 680-198823-13

Date Collected: 05/06/21 10:55

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/16/21 15:01	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/16/21 15:01	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/16/21 15:01	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/16/21 15:01	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/16/21 15:01	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/16/21 15:01	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/16/21 15:01	1
Iodomethane	5.0	U	10	5.0	ug/L			05/16/21 15:01	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/16/21 15:01	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/16/21 15:01	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/16/21 15:01	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/16/21 15:01	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/16/21 15:01	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/16/21 15:01	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/16/21 15:01	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/16/21 15:01	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/16/21 15:01	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/16/21 15:01	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/16/21 15:01	1
Styrene	0.27	U	1.0	0.27	ug/L			05/16/21 15:01	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/16/21 15:01	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/16/21 15:01	1
1,1,2,2-Tetrachloroethane	82		1.0	0.62	ug/L			05/16/21 15:01	1
Tetrachloroethylene	1.2		1.0	0.74	ug/L			05/16/21 15:01	1
Toluene	0.48	U	1.0	0.48	ug/L			05/16/21 15:01	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/16/21 15:01	1
trans-1,2-Dichloroethene	3.7		1.0	0.37	ug/L			05/16/21 15:01	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/16/21 15:01	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/16/21 15:01	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/16/21 15:01	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/16/21 15:01	1
1,1,2-Trichloroethane	2.4		1.0	0.33	ug/L			05/16/21 15:01	1
Trichloroethene	67		1.0	0.48	ug/L			05/16/21 15:01	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/16/21 15:01	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/16/21 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/16/21 15:01	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/16/21 15:01	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/16/21 15:01	1
Vinyl acetate	0.81	U *+	2.0	0.81	ug/L			05/16/21 15:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/21 15:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/16/21 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		05/16/21 15:01	1
Dibromofluoromethane (Surr)	95		70 - 130		05/16/21 15:01	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/16/21 15:01	1
Toluene-d8 (Surr)	97		70 - 130		05/16/21 15:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G12

Lab Sample ID: 680-198823-13

Date Collected: 05/06/21 10:55

Matrix: Water

Date Received: 05/13/21 09:30

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			05/17/21 20:41	1
Ethene	0.31	U	1.0	0.31	ug/L			05/17/21 20:41	1
Methane	240		0.58	0.57	ug/L			05/17/21 20:41	1

Client Sample ID: OLF-G42

Lab Sample ID: 680-198823-14

Date Collected: 05/11/21 14:50

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 21:07	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 21:07	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 21:07	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 21:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 21:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 21:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 21:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 21:07	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 21:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 21:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 21:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 21:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 21:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 21:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 21:07	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 21:07	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 21:07	1
cis-1,2-Dichloroethene	3.4		1.0	0.41	ug/L			05/17/21 21:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 21:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 21:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 21:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 21:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 21:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 21:07	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 21:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 21:07	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 21:07	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 21:07	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 21:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 21:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 21:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 21:07	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 21:07	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 21:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 21:07	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 21:07	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 21:07	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 21:07	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 21:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 21:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G42

Lab Sample ID: 680-198823-14

Date Collected: 05/11/21 14:50

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 21:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 21:07	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 21:07	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 21:07	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 21:07	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 21:07	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 21:07	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 21:07	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 21:07	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 21:07	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 21:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 21:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 21:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 21:07	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 21:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 21:07	1
trans-1,2-Dichloroethene	0.59	J	1.0	0.37	ug/L			05/17/21 21:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 21:07	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 21:07	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 21:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 21:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 21:07	1
Trichloroethene	6.9		1.0	0.48	ug/L			05/17/21 21:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 21:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 21:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 21:07	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 21:07	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 21:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 21:07	1
Vinyl chloride	2.7		1.0	0.50	ug/L			05/17/21 21:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 21:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		05/17/21 21:07	1
Dibromofluoromethane (Surr)	104		70 - 130		05/17/21 21:07	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		05/17/21 21:07	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 21:07	1

Client Sample ID: OLF-G20

Lab Sample ID: 680-198823-15

Date Collected: 05/11/21 16:30

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 21:32	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 21:32	1
Benzene	0.48	J	1.0	0.43	ug/L			05/17/21 21:32	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 21:32	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 21:32	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 21:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G20

Lab Sample ID: 680-198823-15

Date Collected: 05/11/21 16:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 21:32	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 21:32	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 21:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 21:32	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 21:32	1
Chlorobenzene	1.3		1.0	0.26	ug/L			05/17/21 21:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 21:32	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 21:32	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 21:32	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 21:32	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 21:32	1
cis-1,2-Dichloroethene	6.1		1.0	0.41	ug/L			05/17/21 21:32	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 21:32	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 21:32	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 21:32	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 21:32	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 21:32	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 21:32	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 21:32	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 21:32	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 21:32	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 21:32	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 21:32	1
1,1-Dichloroethene	2.3		1.0	0.36	ug/L			05/17/21 21:32	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 21:32	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 21:32	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 21:32	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 21:32	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 21:32	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 21:32	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 21:32	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 21:32	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 21:32	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 21:32	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 21:32	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 21:32	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 21:32	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 21:32	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 21:32	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 21:32	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 21:32	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 21:32	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 21:32	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 21:32	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 21:32	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 21:32	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 21:32	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 21:32	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 21:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G20

Lab Sample ID: 680-198823-15

Date Collected: 05/11/21 16:30

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 21:32	1
trans-1,2-Dichloroethene	1.6		1.0	0.37	ug/L			05/17/21 21:32	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 21:32	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 21:32	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 21:32	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 21:32	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 21:32	1
Trichloroethene	6.7		1.0	0.48	ug/L			05/17/21 21:32	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 21:32	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 21:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 21:32	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 21:32	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 21:32	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 21:32	1
Vinyl chloride	7.6		1.0	0.50	ug/L			05/17/21 21:32	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		05/17/21 21:32	1
Dibromofluoromethane (Surr)	105		70 - 130		05/17/21 21:32	1
1,2-Dichloroethane-d4 (Surr)	92		60 - 124		05/17/21 21:32	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 21:32	1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-198823-16

Date Collected: 05/11/21 12:40

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 21:56	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 21:56	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 21:56	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 21:56	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 21:56	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 21:56	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 21:56	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 21:56	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 21:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 21:56	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 21:56	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 21:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 21:56	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 21:56	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 21:56	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 21:56	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 21:56	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 21:56	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 21:56	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 21:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 21:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-198823-16

Date Collected: 05/11/21 12:40

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 21:56	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 21:56	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 21:56	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 21:56	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 21:56	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 21:56	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 21:56	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 21:56	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 21:56	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 21:56	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 21:56	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 21:56	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 21:56	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 21:56	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 21:56	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 21:56	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 21:56	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 21:56	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 21:56	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 21:56	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 21:56	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 21:56	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 21:56	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 21:56	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 21:56	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 21:56	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 21:56	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 21:56	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 21:56	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 21:56	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 21:56	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 21:56	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 21:56	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 21:56	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 21:56	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 21:56	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 21:56	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 21:56	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 21:56	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 21:56	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 21:56	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 21:56	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 21:56	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 21:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 21:56	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 21:56	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 21:56	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 21:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 21:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-198823-16

Date Collected: 05/11/21 12:40

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 21:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130					05/17/21 21:56	1
Dibromofluoromethane (Surr)	104		70 - 130					05/17/21 21:56	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124					05/17/21 21:56	1
Toluene-d8 (Surr)	94		70 - 130					05/17/21 21:56	1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-198823-17

Date Collected: 05/11/21 11:10

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 22:21	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 22:21	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 22:21	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 22:21	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 22:21	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 22:21	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 22:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 22:21	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 22:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 22:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 22:21	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 22:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 22:21	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 22:21	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 22:21	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 22:21	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 22:21	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 22:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 22:21	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 22:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 22:21	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 22:21	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 22:21	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 22:21	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 22:21	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 22:21	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 22:21	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 22:21	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 22:21	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 22:21	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 22:21	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 22:21	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 22:21	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 22:21	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 22:21	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 22:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-198823-17

Date Collected: 05/11/21 11:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 22:21	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 22:21	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 22:21	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 22:21	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 22:21	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 22:21	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 22:21	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 22:21	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 22:21	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 22:21	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 22:21	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 22:21	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 22:21	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 22:21	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 22:21	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 22:21	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 22:21	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 22:21	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 22:21	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 22:21	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 22:21	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 22:21	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 22:21	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 22:21	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 22:21	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 22:21	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 22:21	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 22:21	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 22:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 22:21	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 22:21	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 22:21	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 22:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 22:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 22:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130					05/17/21 22:21	1
Dibromofluoromethane (Surr)	103		70 - 130					05/17/21 22:21	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124					05/17/21 22:21	1
Toluene-d8 (Surr)	92		70 - 130					05/17/21 22:21	1

Client Sample ID: OLF-G49

Lab Sample ID: 680-198823-18

Date Collected: 05/12/21 12:21

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 16:36	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 16:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G49

Lab Sample ID: 680-198823-18

Date Collected: 05/12/21 12:21

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 16:36	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 16:36	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 16:36	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 16:36	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 16:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 16:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 16:36	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 16:36	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 16:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 16:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 16:36	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 16:36	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 16:36	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 16:36	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 16:36	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 16:36	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 16:36	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 16:36	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 16:36	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 16:36	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 16:36	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 16:36	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 16:36	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 16:36	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 16:36	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 16:36	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 16:36	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 16:36	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 16:36	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 16:36	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 16:36	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 16:36	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 16:36	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 16:36	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 16:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 16:36	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 16:36	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 16:36	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 16:36	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 16:36	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 16:36	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 16:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G49

Lab Sample ID: 680-198823-18

Date Collected: 05/12/21 12:21

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 16:36	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 16:36	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 16:36	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 16:36	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 16:36	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 16:36	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 16:36	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 16:36	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 16:36	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 16:36	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 16:36	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 16:36	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 16:36	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 16:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 16:36	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		05/17/21 16:36	1
Dibromofluoromethane (Surr)	98		70 - 130		05/17/21 16:36	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		05/17/21 16:36	1
Toluene-d8 (Surr)	102		70 - 130		05/17/21 16:36	1

Client Sample ID: OLF-G50

Lab Sample ID: 680-198823-19

Date Collected: 05/12/21 11:06

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 16:58	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 16:58	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 16:58	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 16:58	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 16:58	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 16:58	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 16:58	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 16:58	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 16:58	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 16:58	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 16:58	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 16:58	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 16:58	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 16:58	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 16:58	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 16:58	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 16:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-198823-19

Date Collected: 05/12/21 11:06

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	7.5		1.0	0.41	ug/L			05/17/21 16:58	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 16:58	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 16:58	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 16:58	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 16:58	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 16:58	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 16:58	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 16:58	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 16:58	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 16:58	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 16:58	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 16:58	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 16:58	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 16:58	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 16:58	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 16:58	1
1,1-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 16:58	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 16:58	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 16:58	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 16:58	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 16:58	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 16:58	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 16:58	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 16:58	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 16:58	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 16:58	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 16:58	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 16:58	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 16:58	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 16:58	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 16:58	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 16:58	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 16:58	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 16:58	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 16:58	1
1,1,2,2-Tetrachloroethane	21		1.0	0.62	ug/L			05/17/21 16:58	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 16:58	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 16:58	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 16:58	1
trans-1,2-Dichloroethene	1.7		1.0	0.37	ug/L			05/17/21 16:58	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 16:58	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 16:58	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 16:58	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 16:58	1
1,1,2-Trichloroethane	0.63	J	1.0	0.33	ug/L			05/17/21 16:58	1
Trichloroethene	93		1.0	0.48	ug/L			05/17/21 16:58	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 16:58	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 16:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 16:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-198823-19

Date Collected: 05/12/21 11:06

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 16:58	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 16:58	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 16:58	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 16:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		05/17/21 16:58	1
Dibromofluoromethane (Surr)	101		70 - 130		05/17/21 16:58	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		05/17/21 16:58	1
Toluene-d8 (Surr)	102		70 - 130		05/17/21 16:58	1

Client Sample ID: OLF-G51

Lab Sample ID: 680-198823-20

Date Collected: 05/12/21 10:01

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 17:21	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 17:21	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 17:21	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 17:21	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 17:21	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:21	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 17:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:21	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 17:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 17:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 17:21	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 17:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:21	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 17:21	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 17:21	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 17:21	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 17:21	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 17:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 17:21	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 17:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 17:21	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:21	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 17:21	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 17:21	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 17:21	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 17:21	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 17:21	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 17:21	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 17:21	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 17:21	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 17:21	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 17:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G51

Lab Sample ID: 680-198823-20

Date Collected: 05/12/21 10:01

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 17:21	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 17:21	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 17:21	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 17:21	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 17:21	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 17:21	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 17:21	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 17:21	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 17:21	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 17:21	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 17:21	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 17:21	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:21	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 17:21	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 17:21	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 17:21	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 17:21	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 17:21	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 17:21	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:21	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 17:21	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 17:21	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 17:21	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 17:21	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 17:21	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 17:21	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:21	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:21	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:21	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 17:21	1
Trichloroethene	2.3		1.0	0.48	ug/L			05/17/21 17:21	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 17:21	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 17:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 17:21	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:21	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 17:21	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 17:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 17:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 17:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		05/17/21 17:21	1
Dibromofluoromethane (Surr)	100		70 - 130		05/17/21 17:21	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		05/17/21 17:21	1
Toluene-d8 (Surr)	99		70 - 130		05/17/21 17:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-198823-21

Date Collected: 05/10/21 09:50

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 17:43	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 17:43	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 17:43	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 17:43	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 17:43	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:43	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 17:43	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:43	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 17:43	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 17:43	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 17:43	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 17:43	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 17:43	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 17:43	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 17:43	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 17:43	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 17:43	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 17:43	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 17:43	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 17:43	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 17:43	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 17:43	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 17:43	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 17:43	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 17:43	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 17:43	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 17:43	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 17:43	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 17:43	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 17:43	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 17:43	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 17:43	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 17:43	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 17:43	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 17:43	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 17:43	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 17:43	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 17:43	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 17:43	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 17:43	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 17:43	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 17:43	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 17:43	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 17:43	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:43	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 17:43	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 17:43	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 17:43	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 17:43	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-198823-21

Date Collected: 05/10/21 09:50

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 17:43	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 17:43	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:43	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 17:43	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 17:43	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 17:43	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 17:43	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 17:43	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 17:43	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:43	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 17:43	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 17:43	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 17:43	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 17:43	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 17:43	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 17:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 17:43	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 17:43	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 17:43	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 17:43	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 17:43	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		05/17/21 17:43	1
Dibromofluoromethane (Surr)	101		70 - 130		05/17/21 17:43	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		05/17/21 17:43	1
Toluene-d8 (Surr)	99		70 - 130		05/17/21 17:43	1

Client Sample ID: OLF-G52

Lab Sample ID: 680-198823-22

Date Collected: 05/10/21 14:20

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 18:06	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 18:06	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:06	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 18:06	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 18:06	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:06	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 18:06	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:06	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 18:06	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 18:06	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 18:06	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 18:06	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:06	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 18:06	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 18:06	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-198823-22

Date Collected: 05/10/21 14:20

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 18:06	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 18:06	1
cis-1,2-Dichloroethene	1.7		1.0	0.41	ug/L			05/17/21 18:06	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 18:06	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 18:06	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 18:06	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:06	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 18:06	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 18:06	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:06	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 18:06	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 18:06	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 18:06	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 18:06	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 18:06	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 18:06	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 18:06	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 18:06	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 18:06	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 18:06	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 18:06	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 18:06	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 18:06	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 18:06	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 18:06	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 18:06	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 18:06	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 18:06	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 18:06	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:06	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 18:06	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 18:06	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:06	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 18:06	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 18:06	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 18:06	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:06	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 18:06	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 18:06	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:06	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 18:06	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 18:06	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 18:06	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:06	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:06	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:06	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 18:06	1
Trichloroethene	8.9		1.0	0.48	ug/L			05/17/21 18:06	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 18:06	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-198823-22

Date Collected: 05/10/21 14:20

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 18:06	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:06	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 18:06	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 18:06	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 18:06	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		05/17/21 18:06	1
Dibromofluoromethane (Surr)	101		70 - 130		05/17/21 18:06	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		05/17/21 18:06	1
Toluene-d8 (Surr)	98		70 - 130		05/17/21 18:06	1

Client Sample ID: OLF-G16

Lab Sample ID: 680-198823-23

Date Collected: 05/12/21 10:25

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 18:28	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 18:28	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:28	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 18:28	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 18:28	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:28	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 18:28	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:28	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 18:28	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 18:28	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 18:28	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 18:28	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:28	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 18:28	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 18:28	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 18:28	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 18:28	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 18:28	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 18:28	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 18:28	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 18:28	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:28	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 18:28	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 18:28	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:28	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 18:28	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 18:28	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 18:28	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 18:28	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 18:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: OLF-G16

Lab Sample ID: 680-198823-23

Date Collected: 05/12/21 10:25

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 18:28	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 18:28	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 18:28	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 18:28	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 18:28	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 18:28	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 18:28	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 18:28	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 18:28	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 18:28	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 18:28	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 18:28	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 18:28	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 18:28	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:28	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 18:28	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 18:28	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:28	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 18:28	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 18:28	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 18:28	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:28	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 18:28	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 18:28	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:28	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 18:28	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 18:28	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 18:28	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:28	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:28	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:28	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 18:28	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 18:28	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 18:28	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 18:28	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:28	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 18:28	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 18:28	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 18:28	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130		05/17/21 18:28	1
Dibromofluoromethane (Surr)	101		70 - 130		05/17/21 18:28	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		05/17/21 18:28	1
Toluene-d8 (Surr)	100		70 - 130		05/17/21 18:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: TB579

Lab Sample ID: 680-198823-24

Date Collected: 05/12/21 02:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 15:51	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 15:51	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 15:51	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 15:51	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 15:51	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 15:51	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 15:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 15:51	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 15:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 15:51	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 15:51	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 15:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 15:51	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 15:51	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 15:51	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 15:51	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 15:51	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 15:51	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 15:51	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 15:51	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 15:51	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 15:51	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 15:51	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 15:51	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 15:51	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 15:51	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 15:51	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 15:51	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 15:51	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 15:51	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 15:51	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 15:51	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 15:51	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 15:51	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 15:51	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 15:51	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 15:51	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 15:51	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 15:51	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 15:51	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 15:51	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 15:51	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 15:51	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 15:51	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 15:51	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 15:51	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 15:51	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 15:51	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 15:51	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: TB579

Lab Sample ID: 680-198823-24

Date Collected: 05/12/21 02:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 15:51	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 15:51	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 15:51	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 15:51	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 15:51	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 15:51	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 15:51	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 15:51	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 15:51	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 15:51	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 15:51	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 15:51	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 15:51	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 15:51	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 15:51	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 15:51	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 15:51	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 15:51	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 15:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 15:51	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		05/17/21 15:51	1
Dibromofluoromethane (Surr)	98		70 - 130		05/17/21 15:51	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		05/17/21 15:51	1
Toluene-d8 (Surr)	102		70 - 130		05/17/21 15:51	1

Client Sample ID: DUP374

Lab Sample ID: 680-198823-25

Date Collected: 05/06/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 18:51	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 18:51	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:51	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 18:51	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 18:51	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:51	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 18:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:51	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 18:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 18:51	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 18:51	1
Chlorobenzene	6.9		1.0	0.26	ug/L			05/17/21 18:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 18:51	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 18:51	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 18:51	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: DUP374

Lab Sample ID: 680-198823-25

Date Collected: 05/06/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 18:51	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 18:51	1
cis-1,2-Dichloroethene	22		1.0	0.41	ug/L			05/17/21 18:51	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 18:51	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 18:51	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 18:51	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 18:51	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 18:51	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 18:51	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 18:51	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 18:51	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 18:51	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 18:51	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 18:51	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 18:51	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 18:51	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 18:51	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 18:51	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 18:51	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 18:51	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 18:51	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 18:51	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 18:51	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 18:51	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 18:51	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 18:51	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 18:51	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 18:51	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 18:51	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:51	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 18:51	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 18:51	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:51	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 18:51	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 18:51	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 18:51	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:51	1
1,1,2,2-Tetrachloroethane	16		1.0	0.62	ug/L			05/17/21 18:51	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 18:51	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 18:51	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 18:51	1
trans-1,2-Dichloroethene	7.4		1.0	0.37	ug/L			05/17/21 18:51	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 18:51	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:51	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 18:51	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 18:51	1
1,1,2-Trichloroethane	1.1		1.0	0.33	ug/L			05/17/21 18:51	1
Trichloroethene	55		1.0	0.48	ug/L			05/17/21 18:51	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 18:51	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198823-1

Client Sample ID: DUP374

Lab Sample ID: 680-198823-25

Date Collected: 05/06/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 18:51	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 18:51	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 18:51	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 18:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 18:51	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		05/17/21 18:51	1
Dibromofluoromethane (Surr)	100		70 - 130		05/17/21 18:51	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		05/17/21 18:51	1
Toluene-d8 (Surr)	100		70 - 130		05/17/21 18:51	1

QC Sample Results

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

Job ID: 680-198823-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-668761/8

Matrix: Water

Analysis Batch: 668761

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/16/21 11:37	1
Acrylonitrile	10	U	20	10	ug/L			05/16/21 11:37	1
Benzene	0.43	U	1.0	0.43	ug/L			05/16/21 11:37	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/16/21 11:37	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/16/21 11:37	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/16/21 11:37	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/16/21 11:37	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/16/21 11:37	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/16/21 11:37	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/16/21 11:37	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/16/21 11:37	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/16/21 11:37	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/16/21 11:37	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/16/21 11:37	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/16/21 11:37	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/16/21 11:37	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/16/21 11:37	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/16/21 11:37	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/16/21 11:37	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/16/21 11:37	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/16/21 11:37	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/16/21 11:37	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/16/21 11:37	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/16/21 11:37	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/16/21 11:37	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/16/21 11:37	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/16/21 11:37	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/16/21 11:37	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/16/21 11:37	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/16/21 11:37	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/16/21 11:37	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/16/21 11:37	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/16/21 11:37	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/16/21 11:37	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/16/21 11:37	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/16/21 11:37	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/16/21 11:37	1
Iodomethane	5.0	U	10	5.0	ug/L			05/16/21 11:37	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/16/21 11:37	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/16/21 11:37	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/16/21 11:37	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/16/21 11:37	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/16/21 11:37	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/16/21 11:37	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/16/21 11:37	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/16/21 11:37	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/16/21 11:37	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/16/21 11:37	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: MB 680-668761/8

Matrix: Water

Analysis Batch: 668761

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/16/21 11:37	1
Styrene	0.27	U	1.0	0.27	ug/L			05/16/21 11:37	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/16/21 11:37	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/16/21 11:37	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/16/21 11:37	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/16/21 11:37	1
Toluene	0.48	U	1.0	0.48	ug/L			05/16/21 11:37	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/16/21 11:37	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/16/21 11:37	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/16/21 11:37	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/16/21 11:37	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/16/21 11:37	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/16/21 11:37	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/16/21 11:37	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/16/21 11:37	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/16/21 11:37	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/16/21 11:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/16/21 11:37	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/16/21 11:37	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/16/21 11:37	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/16/21 11:37	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/16/21 11:37	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/16/21 11:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130		05/16/21 11:37	1
Dibromofluoromethane (Surr)	92		70 - 130		05/16/21 11:37	1
1,2-Dichloroethane-d4 (Surr)	86		60 - 124		05/16/21 11:37	1
Toluene-d8 (Surr)	96		70 - 130		05/16/21 11:37	1

Lab Sample ID: LCS 680-668761/3

Matrix: Water

Analysis Batch: 668761

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	256		ug/L		102	67 - 113
Acrylonitrile	500	523		ug/L		105	70 - 130
Benzene	50.0	52.8		ug/L		106	70 - 130
Bromobenzene	50.0	54.2		ug/L		108	70 - 130
Bromochloromethane	50.0	50.2		ug/L		100	70 - 130
Bromodichloromethane	50.0	53.1		ug/L		106	70 - 130
Bromoform	50.0	51.4		ug/L		103	69 - 129
Bromomethane	50.0	64.3		ug/L		129	28 - 192
2-Butanone (MEK)	250	262		ug/L		105	69 - 114
Carbon disulfide	50.0	51.6		ug/L		103	70 - 130
Carbon tetrachloride	50.0	46.5		ug/L		93	70 - 130
Chlorobenzene	50.0	52.9		ug/L		106	70 - 130
Chloroethane	50.0	78.6		ug/L		157	31 - 213

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCS 680-668761/3

Matrix: Water

Analysis Batch: 668761

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	47.5		ug/L		95	70 - 130
Chloromethane	50.0	52.3		ug/L		105	59 - 127
2-Chlorotoluene	50.0	49.3		ug/L		99	70 - 130
4-Chlorotoluene	50.0	50.1		ug/L		100	70 - 130
cis-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 130
cis-1,3-Dichloropropene	50.0	51.4		ug/L		103	70 - 130
Dibromochloromethane	50.0	51.0		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	45.4		ug/L		91	70 - 130
1,2-Dibromoethane	50.0	55.7		ug/L		111	70 - 130
Dibromomethane	50.0	48.5		ug/L		97	70 - 130
1,2-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130
1,3-Dichlorobenzene	50.0	52.4		ug/L		105	70 - 130
1,4-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	64.4		ug/L		129	70 - 130
1,1-Dichloroethane	50.0	48.6		ug/L		97	70 - 130
1,2-Dichloroethane	50.0	50.3		ug/L		101	70 - 130
1,1-Dichloroethene	50.0	48.1		ug/L		96	70 - 130
1,2-Dichloropropane	50.0	51.0		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	53.2		ug/L		106	70 - 130
2,2-Dichloropropane	50.0	52.8		ug/L		106	70 - 130
1,1-Dichloropropene	50.0	46.4		ug/L		93	70 - 130
Ethylbenzene	50.0	49.6		ug/L		99	70 - 130
Hexachlorobutadiene	50.0	42.5		ug/L		85	70 - 130
2-Hexanone	250	232		ug/L		93	70 - 130
Iodomethane	50.0	45.9		ug/L		92	52 - 129
Isopropylbenzene	50.0	49.1		ug/L		98	70 - 130
Methylene Chloride	50.0	48.9		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	250	239		ug/L		96	68 - 108
Methyl tert-butyl ether	50.0	51.6		ug/L		103	70 - 130
m-Xylene & p-Xylene	50.0	49.4		ug/L		99	70 - 130
Naphthalene	50.0	44.0		ug/L		88	57 - 149
n-Butylbenzene	50.0	47.0		ug/L		94	70 - 130
N-Propylbenzene	50.0	50.7		ug/L		101	70 - 130
o-Xylene	50.0	48.6		ug/L		97	70 - 130
p-Isopropyltoluene	50.0	47.1		ug/L		94	70 - 130
sec-Butylbenzene	50.0	49.4		ug/L		99	70 - 130
Styrene	50.0	52.6		ug/L		105	70 - 130
tert-Butylbenzene	50.0	49.2		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	50.0	51.4		ug/L		103	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130
Tetrachloroethylene	50.0	47.8		ug/L		96	70 - 130
Toluene	50.0	54.1		ug/L		108	70 - 130
trans-1,4-Dichloro-2-butene	50.0	53.1		ug/L		106	67 - 112
trans-1,2-Dichloroethene	50.0	47.8		ug/L		96	70 - 130
trans-1,3-Dichloropropene	50.0	52.0		ug/L		104	70 - 130
1,2,3-Trichlorobenzene	50.0	40.0		ug/L		80	61 - 141
1,2,4-Trichlorobenzene	50.0	42.9		ug/L		86	70 - 130
1,1,1-Trichloroethane	50.0	47.1		ug/L		94	70 - 130
1,1,2-Trichloroethane	50.0	49.4		ug/L		99	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCS 680-668761/3

Matrix: Water

Analysis Batch: 668761

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	46.8		ug/L		94	70 - 130
Trichlorofluoromethane	50.0	59.1		ug/L		118	63 - 142
1,2,3-Trichloropropane	50.0	52.0		ug/L		104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.7		ug/L		91	63 - 141
1,2,4-Trimethylbenzene	50.0	49.6		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	50.0	49.4		ug/L		99	70 - 130
Vinyl acetate	100	136	*+	ug/L		136	67 - 135
Vinyl chloride	50.0	48.9		ug/L		98	66 - 129
Xylenes, Total	100	98.0		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
1,2-Dichloroethane-d4 (Surr)	96		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-668761/4

Matrix: Water

Analysis Batch: 668761

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	246		ug/L		98	67 - 113	4	30
Acrylonitrile	500	514		ug/L		103	70 - 130	2	30
Benzene	50.0	52.2		ug/L		104	70 - 130	1	30
Bromobenzene	50.0	52.9		ug/L		106	70 - 130	2	30
Bromochloromethane	50.0	49.3		ug/L		99	70 - 130	2	30
Bromodichloromethane	50.0	51.9		ug/L		104	70 - 130	2	30
Bromoform	50.0	49.2		ug/L		98	69 - 129	4	30
Bromomethane	50.0	64.8		ug/L		130	28 - 192	1	30
2-Butanone (MEK)	250	256		ug/L		102	69 - 114	2	30
Carbon disulfide	50.0	51.6		ug/L		103	70 - 130	0	30
Carbon tetrachloride	50.0	47.3		ug/L		95	70 - 130	2	30
Chlorobenzene	50.0	52.2		ug/L		104	70 - 130	1	30
Chloroethane	50.0	81.1		ug/L		162	31 - 213	3	30
Chloroform	50.0	46.8		ug/L		94	70 - 130	1	30
Chloromethane	50.0	51.1		ug/L		102	59 - 127	2	30
2-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130	1	30
4-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130	3	30
cis-1,2-Dichloroethene	50.0	46.9		ug/L		94	70 - 130	1	30
cis-1,3-Dichloropropene	50.0	50.6		ug/L		101	70 - 130	2	20
Dibromochloromethane	50.0	49.9		ug/L		100	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	46.5		ug/L		93	70 - 130	3	30
1,2-Dibromoethane	50.0	53.9		ug/L		108	70 - 130	3	30
Dibromomethane	50.0	47.4		ug/L		95	70 - 130	2	30
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 130	1	30
1,3-Dichlorobenzene	50.0	52.6		ug/L		105	70 - 130	0	30
1,4-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130	0	30
Dichlorodifluoromethane	50.0	63.7		ug/L		127	70 - 130	1	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCSD 680-668761/4

Matrix: Water

Analysis Batch: 668761

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	48.2		ug/L		96	70 - 130	1	30
1,2-Dichloroethane	50.0	49.0		ug/L		98	70 - 130	3	50
1,1-Dichloroethene	50.0	47.2		ug/L		94	70 - 130	2	20
1,2-Dichloropropane	50.0	52.2		ug/L		104	70 - 130	2	20
1,3-Dichloropropane	50.0	52.0		ug/L		104	70 - 130	2	20
2,2-Dichloropropane	50.0	52.2		ug/L		104	70 - 130	1	20
1,1-Dichloropropene	50.0	46.6		ug/L		93	70 - 130	0	20
Ethylbenzene	50.0	49.3		ug/L		99	70 - 130	1	20
Hexachlorobutadiene	50.0	43.6		ug/L		87	70 - 130	3	20
2-Hexanone	250	228		ug/L		91	70 - 130	2	20
Iodomethane	50.0	45.1		ug/L		90	52 - 129	2	30
Isopropylbenzene	50.0	49.2		ug/L		98	70 - 130	0	30
Methylene Chloride	50.0	47.8		ug/L		96	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	250	236		ug/L		94	68 - 108	1	30
Methyl tert-butyl ether	50.0	50.8		ug/L		102	70 - 130	1	30
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	70 - 130	1	30
Naphthalene	50.0	44.8		ug/L		90	57 - 149	2	30
n-Butylbenzene	50.0	48.0		ug/L		96	70 - 130	2	30
N-Propylbenzene	50.0	50.0		ug/L		100	70 - 130	1	30
o-Xylene	50.0	48.0		ug/L		96	70 - 130	1	30
p-Isopropyltoluene	50.0	47.4		ug/L		95	70 - 130	1	30
sec-Butylbenzene	50.0	49.3		ug/L		99	70 - 130	0	30
Styrene	50.0	52.2		ug/L		104	70 - 130	1	30
tert-Butylbenzene	50.0	48.4		ug/L		97	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	50.2		ug/L		100	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	50.8		ug/L		102	70 - 130	2	30
Tetrachloroethylene	50.0	47.5		ug/L		95	70 - 130	1	30
Toluene	50.0	54.0		ug/L		108	70 - 130	0	30
trans-1,4-Dichloro-2-butene	50.0	49.3		ug/L		99	67 - 112	7	30
trans-1,2-Dichloroethene	50.0	48.2		ug/L		96	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	70 - 130	2	30
1,2,3-Trichlorobenzene	50.0	41.5		ug/L		83	61 - 141	4	30
1,2,4-Trichlorobenzene	50.0	43.6		ug/L		87	70 - 130	2	30
1,1,1-Trichloroethane	50.0	47.2		ug/L		94	70 - 130	0	30
1,1,2-Trichloroethane	50.0	48.4		ug/L		97	70 - 130	2	30
Trichloroethene	50.0	45.6		ug/L		91	70 - 130	3	30
Trichlorofluoromethane	50.0	58.0		ug/L		116	63 - 142	2	30
1,2,3-Trichloropropane	50.0	50.9		ug/L		102	70 - 130	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.2		ug/L		92	63 - 141	1	30
1,2,4-Trimethylbenzene	50.0	48.6		ug/L		97	70 - 130	2	30
1,3,5-Trimethylbenzene	50.0	48.6		ug/L		97	70 - 130	2	30
Vinyl acetate	100	136	*+	ug/L		136	67 - 135	0	30
Vinyl chloride	50.0	49.2		ug/L		98	66 - 129	1	30
Xylenes, Total	100	96.9		ug/L		97	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCSD 680-668761/4

Matrix: Water

Analysis Batch: 668761

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: MB 680-668824/8

Matrix: Water

Analysis Batch: 668824

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 15:34	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 15:34	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 15:34	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 15:34	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 15:34	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 15:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 15:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 15:34	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 15:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 15:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 15:34	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 15:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 15:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 15:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 15:34	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 15:34	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 15:34	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 15:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 15:34	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 15:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 15:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 15:34	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 15:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 15:34	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 15:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 15:34	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 15:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 15:34	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 15:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 15:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 15:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 15:34	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 15:34	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 15:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 15:34	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 15:34	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 15:34	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 15:34	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 15:34	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: MB 680-668824/8

Matrix: Water

Analysis Batch: 668824

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 15:34	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 15:34	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 15:34	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 15:34	1
Naphthalene	3.46	J	5.0	2.5	ug/L			05/17/21 15:34	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 15:34	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 15:34	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 15:34	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 15:34	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 15:34	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 15:34	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 15:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 15:34	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 15:34	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 15:34	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 15:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 15:34	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 15:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 15:34	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 15:34	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 15:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 15:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 15:34	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 15:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 15:34	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 15:34	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 15:34	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 15:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 15:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 15:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 15:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		05/17/21 15:34	1
Dibromofluoromethane (Surr)	100		70 - 130		05/17/21 15:34	1
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/17/21 15:34	1
Toluene-d8 (Surr)	93		70 - 130		05/17/21 15:34	1

Lab Sample ID: LCS 680-668824/3

Matrix: Water

Analysis Batch: 668824

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	243		ug/L		97	67 - 113
Acrylonitrile	500	472		ug/L		94	70 - 130
Benzene	50.0	50.3		ug/L		101	70 - 130
Bromobenzene	50.0	58.1		ug/L		116	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCS 680-668824/3

Matrix: Water

Analysis Batch: 668824

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	45.7		ug/L		91	70 - 130
Bromodichloromethane	50.0	49.5		ug/L		99	70 - 130
Bromoform	50.0	63.5		ug/L		127	69 - 129
Bromomethane	50.0	64.7		ug/L		129	28 - 192
2-Butanone (MEK)	250	222		ug/L		89	69 - 114
Carbon disulfide	50.0	49.9		ug/L		100	70 - 130
Carbon tetrachloride	50.0	53.4		ug/L		107	70 - 130
Chlorobenzene	50.0	52.7		ug/L		105	70 - 130
Chloroethane	50.0	51.7		ug/L		103	31 - 213
Chloroform	50.0	49.1		ug/L		98	70 - 130
Chloromethane	50.0	50.0		ug/L		100	59 - 127
2-Chlorotoluene	50.0	58.2		ug/L		116	70 - 130
4-Chlorotoluene	50.0	60.2		ug/L		120	70 - 130
cis-1,2-Dichloroethene	50.0	51.8		ug/L		104	70 - 130
cis-1,3-Dichloropropene	50.0	50.2		ug/L		100	70 - 130
Dibromochloromethane	50.0	54.2		ug/L		108	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	53.4		ug/L		107	70 - 130
1,2-Dibromoethane	50.0	49.7		ug/L		99	70 - 130
Dibromomethane	50.0	50.0		ug/L		100	70 - 130
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 130
1,3-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 130
Dichlorodifluoromethane	50.0	49.6		ug/L		99	70 - 130
1,1-Dichloroethane	50.0	48.9		ug/L		98	70 - 130
1,2-Dichloroethane	50.0	46.3		ug/L		93	70 - 130
1,1-Dichloroethene	50.0	50.3		ug/L		101	70 - 130
1,2-Dichloropropane	50.0	46.6		ug/L		93	70 - 130
1,3-Dichloropropane	50.0	49.4		ug/L		99	70 - 130
2,2-Dichloropropane	50.0	52.1		ug/L		104	70 - 130
1,1-Dichloropropene	50.0	49.4		ug/L		99	70 - 130
Ethylbenzene	50.0	53.4		ug/L		107	70 - 130
Hexachlorobutadiene	50.0	51.3		ug/L		103	70 - 130
2-Hexanone	250	233		ug/L		93	70 - 130
Iodomethane	50.0	48.1		ug/L		96	52 - 129
Isopropylbenzene	50.0	56.2		ug/L		112	70 - 130
Methylene Chloride	50.0	49.2		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	250	230		ug/L		92	68 - 108
Methyl tert-butyl ether	50.0	50.3		ug/L		101	70 - 130
m-Xylene & p-Xylene	50.0	55.5		ug/L		111	70 - 130
Naphthalene	50.0	48.3		ug/L		97	57 - 149
n-Butylbenzene	50.0	51.6		ug/L		103	70 - 130
N-Propylbenzene	50.0	59.1		ug/L		118	70 - 130
o-Xylene	50.0	55.6		ug/L		111	70 - 130
p-Isopropyltoluene	50.0	50.5		ug/L		101	70 - 130
sec-Butylbenzene	50.0	56.4		ug/L		113	70 - 130
Styrene	50.0	58.3		ug/L		117	70 - 130
tert-Butylbenzene	50.0	56.6		ug/L		113	70 - 130
1,1,1,2-Tetrachloroethane	50.0	57.7		ug/L		115	70 - 130
1,1,2,2-Tetrachloroethane	50.0	56.2		ug/L		112	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCS 680-668824/3

Matrix: Water

Analysis Batch: 668824

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethylene	50.0	50.4		ug/L		101	70 - 130
Toluene	50.0	48.9		ug/L		98	70 - 130
trans-1,4-Dichloro-2-butene	50.0	54.4		ug/L		109	67 - 112
trans-1,2-Dichloroethene	50.0	50.9		ug/L		102	70 - 130
trans-1,3-Dichloropropene	50.0	51.2		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	50.0	49.1		ug/L		98	61 - 141
1,2,4-Trichlorobenzene	50.0	46.1		ug/L		92	70 - 130
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	70 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130
Trichloroethene	50.0	53.9		ug/L		108	70 - 130
Trichlorofluoromethane	50.0	48.8		ug/L		98	63 - 142
1,2,3-Trichloropropane	50.0	58.2		ug/L		116	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.2		ug/L		98	63 - 141
1,2,4-Trimethylbenzene	50.0	55.0		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	50.0	56.9		ug/L		114	70 - 130
Vinyl acetate	100	105		ug/L		105	67 - 135
Vinyl chloride	50.0	47.6		ug/L		95	66 - 129
Xylenes, Total	100	111		ug/L		111	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: LCSD 680-668824/4

Matrix: Water

Analysis Batch: 668824

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	250		ug/L		100	67 - 113	3	30
Acrylonitrile	500	472		ug/L		94	70 - 130	0	30
Benzene	50.0	49.3		ug/L		99	70 - 130	2	30
Bromobenzene	50.0	55.7		ug/L		111	70 - 130	4	30
Bromochloromethane	50.0	44.6		ug/L		89	70 - 130	3	30
Bromodichloromethane	50.0	49.1		ug/L		98	70 - 130	1	30
Bromoform	50.0	61.5		ug/L		123	69 - 129	3	30
Bromomethane	50.0	63.4		ug/L		127	28 - 192	2	30
2-Butanone (MEK)	250	222		ug/L		89	69 - 114	0	30
Carbon disulfide	50.0	49.4		ug/L		99	70 - 130	1	30
Carbon tetrachloride	50.0	52.3		ug/L		105	70 - 130	2	30
Chlorobenzene	50.0	50.7		ug/L		101	70 - 130	4	30
Chloroethane	50.0	51.7		ug/L		103	31 - 213	0	30
Chloroform	50.0	48.1		ug/L		96	70 - 130	2	30
Chloromethane	50.0	45.3		ug/L		91	59 - 127	10	30
2-Chlorotoluene	50.0	55.5		ug/L		111	70 - 130	5	30
4-Chlorotoluene	50.0	58.4		ug/L		117	70 - 130	3	30
cis-1,2-Dichloroethene	50.0	51.1		ug/L		102	70 - 130	1	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCSD 680-668824/4

Matrix: Water

Analysis Batch: 668824

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
cis-1,3-Dichloropropene	50.0	49.9		ug/L		100	70 - 130	1	20
Dibromochloromethane	50.0	53.7		ug/L		107	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	50.0	54.1		ug/L		108	70 - 130	1	30
1,2-Dibromoethane	50.0	48.1		ug/L		96	70 - 130	3	30
Dibromomethane	50.0	49.4		ug/L		99	70 - 130	1	30
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	70 - 130	0	30
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 130	2	30
1,4-Dichlorobenzene	50.0	49.2		ug/L		98	70 - 130	1	30
Dichlorodifluoromethane	50.0	49.1		ug/L		98	70 - 130	1	40
1,1-Dichloroethane	50.0	47.8		ug/L		96	70 - 130	2	30
1,2-Dichloroethane	50.0	45.7		ug/L		91	70 - 130	1	50
1,1-Dichloroethene	50.0	50.5		ug/L		101	70 - 130	0	20
1,2-Dichloropropane	50.0	46.5		ug/L		93	70 - 130	0	20
1,3-Dichloropropane	50.0	48.8		ug/L		98	70 - 130	1	20
2,2-Dichloropropane	50.0	51.6		ug/L		103	70 - 130	1	20
1,1-Dichloropropene	50.0	48.6		ug/L		97	70 - 130	2	20
Ethylbenzene	50.0	51.8		ug/L		104	70 - 130	3	20
Hexachlorobutadiene	50.0	50.2		ug/L		100	70 - 130	2	20
2-Hexanone	250	240		ug/L		96	70 - 130	3	20
Iodomethane	50.0	49.5		ug/L		99	52 - 129	3	30
Isopropylbenzene	50.0	54.1		ug/L		108	70 - 130	4	30
Methylene Chloride	50.0	49.0		ug/L		98	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	250	235		ug/L		94	68 - 108	2	30
Methyl tert-butyl ether	50.0	51.3		ug/L		103	70 - 130	2	30
m-Xylene & p-Xylene	50.0	53.4		ug/L		107	70 - 130	4	30
Naphthalene	50.0	49.9		ug/L		100	57 - 149	3	30
n-Butylbenzene	50.0	52.0		ug/L		104	70 - 130	1	30
N-Propylbenzene	50.0	57.0		ug/L		114	70 - 130	4	30
o-Xylene	50.0	53.0		ug/L		106	70 - 130	5	30
p-Isopropyltoluene	50.0	50.7		ug/L		101	70 - 130	0	30
sec-Butylbenzene	50.0	54.0		ug/L		108	70 - 130	4	30
Styrene	50.0	55.9		ug/L		112	70 - 130	4	30
tert-Butylbenzene	50.0	54.2		ug/L		108	70 - 130	4	30
1,1,1,2-Tetrachloroethane	50.0	55.2		ug/L		110	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	55.1		ug/L		110	70 - 130	2	30
Tetrachloroethylene	50.0	49.2		ug/L		98	70 - 130	2	30
Toluene	50.0	47.7		ug/L		95	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	55.3		ug/L		111	67 - 112	2	30
trans-1,2-Dichloroethene	50.0	50.1		ug/L		100	70 - 130	2	30
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	70 - 130	0	30
1,2,3-Trichlorobenzene	50.0	50.0		ug/L		100	61 - 141	2	30
1,2,4-Trichlorobenzene	50.0	47.2		ug/L		94	70 - 130	2	30
1,1,1-Trichloroethane	50.0	49.8		ug/L		100	70 - 130	2	30
1,1,2-Trichloroethane	50.0	50.4		ug/L		101	70 - 130	3	30
Trichloroethene	50.0	51.0		ug/L		102	70 - 130	6	30
Trichlorofluoromethane	50.0	47.8		ug/L		96	63 - 142	2	30
1,2,3-Trichloropropane	50.0	55.4		ug/L		111	70 - 130	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.3		ug/L		97	63 - 141	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCSD 680-668824/4

Matrix: Water

Analysis Batch: 668824

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
1,2,4-Trimethylbenzene	50.0	53.0		ug/L		106	70 - 130	4	30
1,3,5-Trimethylbenzene	50.0	55.7		ug/L		111	70 - 130	2	30
Vinyl acetate	100	107		ug/L		107	67 - 135	1	30
Vinyl chloride	50.0	46.6		ug/L		93	66 - 129	2	30
Xylenes, Total	100	106		ug/L		106	70 - 130	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		60 - 124
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: 680-198823-1 MS

Matrix: Water

Analysis Batch: 668824

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	7.0	U	250	211		ug/L		85	67 - 113
Acrylonitrile	10	U	500	427		ug/L		85	70 - 130
Benzene	1.3		50.0	50.3		ug/L		98	70 - 130
Bromobenzene	0.50	U	50.0	54.9		ug/L		110	70 - 130
Bromochloromethane	0.45	U	50.0	44.2		ug/L		88	70 - 130
Bromodichloromethane	0.44	U	50.0	47.1		ug/L		94	70 - 130
Bromoform	0.43	U	50.0	59.7		ug/L		119	69 - 129
Bromomethane	2.5	U	50.0	53.9		ug/L		108	28 - 192
2-Butanone (MEK)	3.4	U	250	201		ug/L		80	69 - 114
Carbon disulfide	1.0	U	50.0	50.5		ug/L		101	70 - 130
Carbon tetrachloride	0.33	U	50.0	53.7		ug/L		107	70 - 130
Chlorobenzene	61		50.0	112		ug/L		102	70 - 130
Chloroethane	7.0		50.0	61.0		ug/L		108	31 - 213
Chloroform	0.50	U	50.0	48.0		ug/L		96	70 - 130
Chloromethane	0.40	U	50.0	54.2		ug/L		108	59 - 127
2-Chlorotoluene	0.27	U	50.0	55.0		ug/L		110	70 - 130
4-Chlorotoluene	0.45	U	50.0	56.1		ug/L		112	70 - 130
cis-1,2-Dichloroethene	0.41	U	50.0	49.5		ug/L		99	70 - 130
cis-1,3-Dichloropropene	0.40	U	50.0	45.8		ug/L		92	70 - 130
Dibromochloromethane	0.32	U	50.0	49.9		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	42.8		ug/L		86	70 - 130
1,2-Dibromoethane	0.44	U	50.0	45.2		ug/L		90	70 - 130
Dibromomethane	0.35	U	50.0	46.2		ug/L		92	70 - 130
1,2-Dichlorobenzene	0.37	U	50.0	47.3		ug/L		95	70 - 130
1,3-Dichlorobenzene	0.43	U	50.0	48.2		ug/L		96	70 - 130
1,4-Dichlorobenzene	0.46	U	50.0	47.0		ug/L		94	70 - 130
Dichlorodifluoromethane	0.60	U	50.0	46.9		ug/L		94	70 - 130
1,1-Dichloroethane	0.38	U	50.0	48.2		ug/L		96	70 - 130
1,2-Dichloroethane	1.4		50.0	45.1		ug/L		88	70 - 130
1,1-Dichloroethene	0.36	U	50.0	50.4		ug/L		101	70 - 130
1,2-Dichloropropane	0.67	U	50.0	45.3		ug/L		91	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: 680-198823-1 MS

Matrix: Water

Analysis Batch: 668824

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
1,3-Dichloropropane	0.34	U	50.0	45.5		ug/L		91	70 - 130
2,2-Dichloropropane	0.37	U	50.0	45.2		ug/L		90	70 - 130
1,1-Dichloropropene	0.34	U	50.0	50.2		ug/L		100	70 - 130
Ethylbenzene	0.33	U	50.0	51.8		ug/L		104	70 - 130
Hexachlorobutadiene	2.5	U	50.0	42.8		ug/L		86	70 - 130
2-Hexanone	2.0	U	250	208		ug/L		83	70 - 130
Iodomethane	5.0	U	50.0	40.6		ug/L		81	52 - 129
Isopropylbenzene	0.35	U	50.0	54.8		ug/L		110	70 - 130
Methylene Chloride	2.5	U	50.0	46.3		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	2.1	U	250	213		ug/L		85	68 - 108
Methyl tert-butyl ether	0.30	U	50.0	46.5		ug/L		93	70 - 130
m-Xylene & p-Xylene	0.36	J	50.0	52.4		ug/L		104	70 - 130
Naphthalene	2.5	U F2	50.0	33.1		ug/L		66	57 - 149
n-Butylbenzene	0.47	U	50.0	48.0		ug/L		96	70 - 130
N-Propylbenzene	0.38	U	50.0	56.4		ug/L		113	70 - 130
o-Xylene	0.23	U	50.0	53.3		ug/L		107	70 - 130
p-Isopropyltoluene	0.48	U	50.0	48.2		ug/L		96	70 - 130
sec-Butylbenzene	0.42	U	50.0	53.0		ug/L		106	70 - 130
Styrene	0.27	U	50.0	54.9		ug/L		110	70 - 130
tert-Butylbenzene	0.45	U	50.0	54.1		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	0.37	U	50.0	55.7		ug/L		111	70 - 130
1,1,2,2-Tetrachloroethane	0.62	U	50.0	51.8		ug/L		104	70 - 130
Tetrachloroethylene	0.74	U	50.0	49.3		ug/L		99	70 - 130
Toluene	2.7		50.0	50.2		ug/L		95	70 - 130
trans-1,4-Dichloro-2-butene	0.51	U	50.0	48.5		ug/L		97	67 - 112
trans-1,2-Dichloroethene	0.37	U	50.0	51.0		ug/L		102	70 - 130
trans-1,3-Dichloropropene	0.42	U	50.0	46.1		ug/L		92	70 - 130
1,2,3-Trichlorobenzene	2.5	U	50.0	35.5		ug/L		71	61 - 141
1,2,4-Trichlorobenzene	2.5	U	50.0	36.2		ug/L		72	70 - 130
1,1,1-Trichloroethane	0.37	U	50.0	50.3		ug/L		101	70 - 130
1,1,2-Trichloroethane	0.33	U	50.0	47.4		ug/L		95	70 - 130
Trichloroethene	0.48	U	50.0	51.0		ug/L		102	70 - 130
Trichlorofluoromethane	0.42	U	50.0	49.2		ug/L		98	63 - 142
1,2,3-Trichloropropane	0.39	U	50.0	51.4		ug/L		103	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	46.5		ug/L		93	63 - 141
1,2,4-Trimethylbenzene	0.47	U	50.0	51.1		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	0.31	U	50.0	53.6		ug/L		107	70 - 130
Vinyl acetate	0.81	U	100	105		ug/L		105	67 - 135
Vinyl chloride	0.50	U	50.0	51.5		ug/L		103	66 - 129
Xylenes, Total	0.36	J	100	106		ug/L		105	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	89		70 - 130						
Dibromofluoromethane (Surr)	104		70 - 130						
1,2-Dichloroethane-d4 (Surr)	90		60 - 124						
Toluene-d8 (Surr)	96		70 - 130						

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: 680-198823-1 MSD

Matrix: Water

Analysis Batch: 668824

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	7.0	U	250	209		ug/L		84	67 - 113	1	30
Acrylonitrile	10	U	500	424		ug/L		85	70 - 130	1	30
Benzene	1.3		50.0	50.4		ug/L		98	70 - 130	0	30
Bromobenzene	0.50	U	50.0	56.9		ug/L		114	70 - 130	4	30
Bromochloromethane	0.45	U	50.0	41.4		ug/L		83	70 - 130	7	30
Bromodichloromethane	0.44	U	50.0	47.8		ug/L		96	70 - 130	1	30
Bromoform	0.43	U	50.0	60.1		ug/L		120	69 - 129	1	30
Bromomethane	2.5	U	50.0	61.4		ug/L		123	28 - 192	13	30
2-Butanone (MEK)	3.4	U	250	204		ug/L		82	69 - 114	2	30
Carbon disulfide	1.0	U	50.0	50.5		ug/L		101	70 - 130	0	30
Carbon tetrachloride	0.33	U	50.0	53.7		ug/L		107	70 - 130	0	30
Chlorobenzene	61		50.0	114		ug/L		107	70 - 130	2	30
Chloroethane	7.0		50.0	62.7		ug/L		111	31 - 213	3	30
Chloroform	0.50	U	50.0	48.2		ug/L		96	70 - 130	0	30
Chloromethane	0.40	U	50.0	52.0		ug/L		104	59 - 127	4	30
2-Chlorotoluene	0.27	U	50.0	56.8		ug/L		114	70 - 130	3	30
4-Chlorotoluene	0.45	U	50.0	58.6		ug/L		117	70 - 130	4	30
cis-1,2-Dichloroethene	0.41	U	50.0	50.6		ug/L		101	70 - 130	2	30
cis-1,3-Dichloropropene	0.40	U	50.0	46.4		ug/L		93	70 - 130	1	20
Dibromochloromethane	0.32	U	50.0	51.0		ug/L		102	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	53.3		ug/L		107	70 - 130	22	30
1,2-Dibromoethane	0.44	U	50.0	45.7		ug/L		91	70 - 130	1	30
Dibromomethane	0.35	U	50.0	46.6		ug/L		93	70 - 130	1	30
1,2-Dichlorobenzene	0.37	U	50.0	51.0		ug/L		102	70 - 130	8	30
1,3-Dichlorobenzene	0.43	U	50.0	52.1		ug/L		104	70 - 130	8	30
1,4-Dichlorobenzene	0.46	U	50.0	51.1		ug/L		102	70 - 130	8	30
Dichlorodifluoromethane	0.60	U	50.0	48.0		ug/L		96	70 - 130	2	40
1,1-Dichloroethane	0.38	U	50.0	48.7		ug/L		97	70 - 130	1	30
1,2-Dichloroethane	1.4		50.0	46.0		ug/L		89	70 - 130	2	50
1,1-Dichloroethene	0.36	U	50.0	50.2		ug/L		100	70 - 130	0	20
1,2-Dichloropropane	0.67	U	50.0	45.3		ug/L		91	70 - 130	0	20
1,3-Dichloropropane	0.34	U	50.0	45.6		ug/L		91	70 - 130	0	20
2,2-Dichloropropane	0.37	U	50.0	44.1		ug/L		88	70 - 130	2	20
1,1-Dichloropropene	0.34	U	50.0	50.0		ug/L		100	70 - 130	0	20
Ethylbenzene	0.33	U	50.0	53.4		ug/L		107	70 - 130	3	20
Hexachlorobutadiene	2.5	U	50.0	48.8		ug/L		98	70 - 130	13	20
2-Hexanone	2.0	U	250	212		ug/L		85	70 - 130	2	20
Iodomethane	5.0	U	50.0	51.8		ug/L		104	52 - 129	24	30
Isopropylbenzene	0.35	U	50.0	56.5		ug/L		113	70 - 130	3	30
Methylene Chloride	2.5	U	50.0	47.2		ug/L		94	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	2.1	U	250	215		ug/L		86	68 - 108	1	30
Methyl tert-butyl ether	0.30	U	50.0	46.6		ug/L		93	70 - 130	0	30
m-Xylene & p-Xylene	0.36	J	50.0	54.0		ug/L		107	70 - 130	3	30
Naphthalene	2.5	U F2	50.0	47.5	F2	ug/L		95	57 - 149	36	30
n-Butylbenzene	0.47	U	50.0	51.5		ug/L		103	70 - 130	7	30
N-Propylbenzene	0.38	U	50.0	58.3		ug/L		117	70 - 130	3	30
o-Xylene	0.23	U	50.0	55.0		ug/L		110	70 - 130	3	30
p-Isopropyltoluene	0.48	U	50.0	51.6		ug/L		103	70 - 130	7	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: 680-198823-1 MSD

Matrix: Water

Analysis Batch: 668824

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
sec-Butylbenzene	0.42	U	50.0	55.1		ug/L		110	70 - 130	4	30
Styrene	0.27	U	50.0	56.8		ug/L		114	70 - 130	4	30
tert-Butylbenzene	0.45	U	50.0	55.5		ug/L		111	70 - 130	2	30
1,1,1,2-Tetrachloroethane	0.37	U	50.0	56.8		ug/L		114	70 - 130	2	30
1,1,2,2-Tetrachloroethane	0.62	U	50.0	53.2		ug/L		106	70 - 130	3	30
Tetrachloroethylene	0.74	U	50.0	51.4		ug/L		103	70 - 130	4	30
Toluene	2.7		50.0	50.5		ug/L		96	70 - 130	1	30
trans-1,4-Dichloro-2-butene	0.51	U	50.0	50.6		ug/L		101	67 - 112	4	30
trans-1,2-Dichloroethene	0.37	U	50.0	50.6		ug/L		101	70 - 130	1	30
trans-1,3-Dichloropropene	0.42	U	50.0	46.7		ug/L		93	70 - 130	1	30
1,2,3-Trichlorobenzene	2.5	U	50.0	46.4		ug/L		93	61 - 141	27	30
1,2,4-Trichlorobenzene	2.5	U	50.0	45.5		ug/L		91	70 - 130	23	30
1,1,1-Trichloroethane	0.37	U	50.0	51.6		ug/L		103	70 - 130	3	30
1,1,2-Trichloroethane	0.33	U	50.0	48.3		ug/L		97	70 - 130	2	30
Trichloroethene	0.48	U	50.0	51.5		ug/L		103	70 - 130	1	30
Trichlorofluoromethane	0.42	U	50.0	51.2		ug/L		102	63 - 142	4	30
1,2,3-Trichloropropane	0.39	U	50.0	51.5		ug/L		103	70 - 130	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	47.5		ug/L		95	63 - 141	2	30
1,2,4-Trimethylbenzene	0.47	U	50.0	53.1		ug/L		106	70 - 130	4	30
1,3,5-Trimethylbenzene	0.31	U	50.0	56.0		ug/L		112	70 - 130	4	30
Vinyl acetate	0.81	U	100	105		ug/L		105	67 - 135	0	30
Vinyl chloride	0.50	U	50.0	51.7		ug/L		103	66 - 129	0	30
Xylenes, Total	0.36	J	100	109		ug/L		109	70 - 130	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
Dibromofluoromethane (Surr)	106		70 - 130
1,2-Dichloroethane-d4 (Surr)	90		60 - 124
Toluene-d8 (Surr)	97		70 - 130

Lab Sample ID: 680-198823-14 MS

Matrix: Water

Analysis Batch: 668824

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	7.0	U	250	207		ug/L		83	67 - 113
Acrylonitrile	10	U	500	417		ug/L		83	70 - 130
Benzene	0.43	U	50.0	49.0		ug/L		98	70 - 130
Bromobenzene	0.50	U	50.0	56.8		ug/L		114	70 - 130
Bromochloromethane	0.45	U	50.0	43.9		ug/L		88	70 - 130
Bromodichloromethane	0.44	U	50.0	47.8		ug/L		96	70 - 130
Bromoform	0.43	U	50.0	59.2		ug/L		118	69 - 129
Bromomethane	2.5	U	50.0	66.2		ug/L		132	28 - 192
2-Butanone (MEK)	3.4	U	250	201		ug/L		80	69 - 114
Carbon disulfide	1.0	U	50.0	50.0		ug/L		100	70 - 130
Carbon tetrachloride	0.33	U	50.0	53.9		ug/L		108	70 - 130
Chlorobenzene	0.26	U	50.0	52.8		ug/L		106	70 - 130
Chloroethane	2.5	U	50.0	55.2		ug/L		110	31 - 213

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: 680-198823-14 MS

Matrix: Water

Analysis Batch: 668824

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
Chloroform	0.50	U	50.0	48.0		ug/L		96	70 - 130
Chloromethane	0.40	U	50.0	53.4		ug/L		107	59 - 127
2-Chlorotoluene	0.27	U	50.0	55.5		ug/L		111	70 - 130
4-Chlorotoluene	0.45	U	50.0	58.1		ug/L		116	70 - 130
cis-1,2-Dichloroethene	3.4		50.0	53.3		ug/L		100	70 - 130
cis-1,3-Dichloropropene	0.40	U	50.0	46.2		ug/L		92	70 - 130
Dibromochloromethane	0.32	U	50.0	50.3		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	49.2		ug/L		98	70 - 130
1,2-Dibromoethane	0.44	U	50.0	45.0		ug/L		90	70 - 130
Dibromomethane	0.35	U	50.0	47.8		ug/L		96	70 - 130
1,2-Dichlorobenzene	0.37	U	50.0	50.1		ug/L		100	70 - 130
1,3-Dichlorobenzene	0.43	U	50.0	50.7		ug/L		101	70 - 130
1,4-Dichlorobenzene	0.46	U	50.0	48.5		ug/L		97	70 - 130
Dichlorodifluoromethane	0.60	U	50.0	50.3		ug/L		101	70 - 130
1,1-Dichloroethane	0.38	U	50.0	48.5		ug/L		97	70 - 130
1,2-Dichloroethane	0.50	U	50.0	43.7		ug/L		87	70 - 130
1,1-Dichloroethene	0.36	U	50.0	49.8		ug/L		100	70 - 130
1,2-Dichloropropane	0.67	U	50.0	45.7		ug/L		91	70 - 130
1,3-Dichloropropane	0.34	U	50.0	45.4		ug/L		91	70 - 130
2,2-Dichloropropane	0.37	U	50.0	44.9		ug/L		90	70 - 130
1,1-Dichloropropene	0.34	U	50.0	50.0		ug/L		100	70 - 130
Ethylbenzene	0.33	U	50.0	53.3		ug/L		107	70 - 130
Hexachlorobutadiene	2.5	U	50.0	50.0		ug/L		100	70 - 130
2-Hexanone	2.0	U	250	209		ug/L		83	70 - 130
Iodomethane	5.0	U	50.0	51.5		ug/L		103	52 - 129
Isopropylbenzene	0.35	U	50.0	55.8		ug/L		112	70 - 130
Methylene Chloride	2.5	U	50.0	46.5		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	2.1	U	250	207		ug/L		83	68 - 108
Methyl tert-butyl ether	0.30	U	50.0	47.0		ug/L		94	70 - 130
m-Xylene & p-Xylene	0.35	U	50.0	53.4		ug/L		107	70 - 130
Naphthalene	2.5	U	50.0	46.4		ug/L		93	57 - 149
n-Butylbenzene	0.47	U	50.0	50.7		ug/L		101	70 - 130
N-Propylbenzene	0.38	U	50.0	57.0		ug/L		114	70 - 130
o-Xylene	0.23	U	50.0	54.0		ug/L		108	70 - 130
p-Isopropyltoluene	0.48	U	50.0	51.1		ug/L		102	70 - 130
sec-Butylbenzene	0.42	U	50.0	54.5		ug/L		109	70 - 130
Styrene	0.27	U	50.0	55.7		ug/L		111	70 - 130
tert-Butylbenzene	0.45	U	50.0	55.2		ug/L		110	70 - 130
1,1,1,2-Tetrachloroethane	0.37	U	50.0	55.4		ug/L		111	70 - 130
1,1,2,2-Tetrachloroethane	0.62	U	50.0	52.1		ug/L		104	70 - 130
Tetrachloroethylene	0.74	U	50.0	48.5		ug/L		97	70 - 130
Toluene	0.48	U	50.0	46.9		ug/L		94	70 - 130
trans-1,4-Dichloro-2-butene	0.51	U	50.0	50.1		ug/L		100	67 - 112
trans-1,2-Dichloroethene	0.59	J	50.0	50.5		ug/L		100	70 - 130
trans-1,3-Dichloropropene	0.42	U	50.0	46.6		ug/L		93	70 - 130
1,2,3-Trichlorobenzene	2.5	U	50.0	46.3		ug/L		93	61 - 141
1,2,4-Trichlorobenzene	2.5	U	50.0	43.8		ug/L		88	70 - 130
1,1,1-Trichloroethane	0.37	U	50.0	51.2		ug/L		102	70 - 130
1,1,2-Trichloroethane	0.33	U	50.0	47.5		ug/L		95	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: 680-198823-14 MS

Matrix: Water

Analysis Batch: 668824

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analysis Data 0002

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.		
	Result	Qualifier	Added	Result	Qualifier				Limits		
Trichloroethene	6.9		50.0	57.3		ug/L		101	70 - 130		
Trichlorofluoromethane	0.42	U	50.0	51.0		ug/L		102	63 - 142		
1,2,3-Trichloropropane	0.39	U	50.0	52.0		ug/L		104	70 - 130		
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	48.8		ug/L		98	63 - 141		
1,2,4-Trimethylbenzene	0.47	U	50.0	52.4		ug/L		105	70 - 130		
1,3,5-Trimethylbenzene	0.31	U	50.0	55.8		ug/L		112	70 - 130		
Vinyl acetate	0.81	U	100	105		ug/L		105	67 - 135		
Vinyl chloride	2.7		50.0	55.1		ug/L		105	66 - 129		
Xylenes, Total	0.23	U	100	107		ug/L		107	70 - 130		

Lab Sample ID: 680-198823-14 MSD

Matrix: Water

Analysis Batch: 668824

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	7.0	U	250	200		ug/L		80	67 - 113	4	30
Acrylonitrile	10	U	500	405		ug/L		81	70 - 130	3	30
Benzene	0.43	U	50.0	48.2		ug/L		96	70 - 130	2	30
Bromobenzene	0.50	U	50.0	54.9		ug/L		110	70 - 130	4	30
Bromochloromethane	0.45	U	50.0	42.9		ug/L		86	70 - 130	2	30
Bromodichloromethane	0.44	U	50.0	47.1		ug/L		94	70 - 130	2	30
Bromoform	0.43	U	50.0	58.4		ug/L		117	69 - 129	1	30
Bromomethane	2.5	U	50.0	65.7		ug/L		131	28 - 192	1	30
2-Butanone (MEK)	3.4	U	250	189		ug/L		76	69 - 114	6	30
Carbon disulfide	1.0	U	50.0	49.3		ug/L		99	70 - 130	1	30
Carbon tetrachloride	0.33	U	50.0	54.1		ug/L		108	70 - 130	0	30
Chlorobenzene	0.26	U	50.0	51.8		ug/L		104	70 - 130	2	30
Chloroethane	2.5	U	50.0	54.5		ug/L		109	31 - 213	1	30
Chloroform	0.50	U	50.0	47.0		ug/L		94	70 - 130	2	30
Chloromethane	0.40	U	50.0	52.9		ug/L		106	59 - 127	1	30
2-Chlorotoluene	0.27	U	50.0	54.7		ug/L		109	70 - 130	1	30
4-Chlorotoluene	0.45	U	50.0	56.5		ug/L		113	70 - 130	3	30
cis-1,2-Dichloroethene	3.4		50.0	53.2		ug/L		100	70 - 130	0	30
cis-1,3-Dichloropropene	0.40	U	50.0	45.2		ug/L		90	70 - 130	2	20
Dibromochloromethane	0.32	U	50.0	48.8		ug/L		98	70 - 130	3	30
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	51.2		ug/L		102	70 - 130	4	30
1,2-Dibromoethane	0.44	U	50.0	44.1		ug/L		88	70 - 130	2	30
Dibromomethane	0.35	U	50.0	46.7		ug/L		93	70 - 130	2	30
1,2-Dichlorobenzene	0.37	U	50.0	50.5		ug/L		101	70 - 130	1	30
1,3-Dichlorobenzene	0.43	U	50.0	50.5		ug/L		101	70 - 130	0	30
1,4-Dichlorobenzene	0.46	U	50.0	49.2		ug/L		98	70 - 130	1	30
Dichlorodifluoromethane	0.60	U	50.0	49.8		ug/L		100	70 - 130	1	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: 680-198823-14 MSD

Matrix: Water

Analysis Batch: 668824

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
1,1-Dichloroethane	0.38	U	50.0	48.1		ug/L		96	70 - 130	1	30
1,2-Dichloroethane	0.50	U	50.0	43.3		ug/L		87	70 - 130	1	50
1,1-Dichloroethene	0.36	U	50.0	51.7		ug/L		103	70 - 130	4	20
1,2-Dichloropropane	0.67	U	50.0	44.8		ug/L		90	70 - 130	2	20
1,3-Dichloropropane	0.34	U	50.0	44.8		ug/L		90	70 - 130	1	20
2,2-Dichloropropane	0.37	U	50.0	43.1		ug/L		86	70 - 130	4	20
1,1-Dichloropropene	0.34	U	50.0	49.4		ug/L		99	70 - 130	1	20
Ethylbenzene	0.33	U	50.0	53.1		ug/L		106	70 - 130	0	20
Hexachlorobutadiene	2.5	U	50.0	50.7		ug/L		101	70 - 130	1	20
2-Hexanone	2.0	U	250	201		ug/L		80	70 - 130	4	20
Iodomethane	5.0	U	50.0	52.4		ug/L		105	52 - 129	2	30
Isopropylbenzene	0.35	U	50.0	55.7		ug/L		111	70 - 130	0	30
Methylene Chloride	2.5	U	50.0	45.7		ug/L		91	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	2.1	U	250	202		ug/L		81	68 - 108	2	30
Methyl tert-butyl ether	0.30	U	50.0	46.1		ug/L		92	70 - 130	2	30
m-Xylene & p-Xylene	0.35	U	50.0	53.2		ug/L		106	70 - 130	0	30
Naphthalene	2.5	U	50.0	46.0		ug/L		92	57 - 149	1	30
n-Butylbenzene	0.47	U	50.0	51.1		ug/L		102	70 - 130	1	30
N-Propylbenzene	0.38	U	50.0	56.9		ug/L		114	70 - 130	0	30
o-Xylene	0.23	U	50.0	53.2		ug/L		106	70 - 130	2	30
p-Isopropyltoluene	0.48	U	50.0	51.2		ug/L		102	70 - 130	0	30
sec-Butylbenzene	0.42	U	50.0	53.4		ug/L		107	70 - 130	2	30
Styrene	0.27	U	50.0	55.5		ug/L		111	70 - 130	0	30
tert-Butylbenzene	0.45	U	50.0	54.7		ug/L		109	70 - 130	1	30
1,1,1,2-Tetrachloroethane	0.37	U	50.0	55.1		ug/L		110	70 - 130	1	30
1,1,2,2-Tetrachloroethane	0.62	U	50.0	51.2		ug/L		102	70 - 130	2	30
Tetrachloroethylene	0.74	U	50.0	48.5		ug/L		97	70 - 130	0	30
Toluene	0.48	U	50.0	47.1		ug/L		94	70 - 130	0	30
trans-1,4-Dichloro-2-butene	0.51	U	50.0	49.2		ug/L		98	67 - 112	2	30
trans-1,2-Dichloroethene	0.59	J	50.0	51.3		ug/L		101	70 - 130	2	30
trans-1,3-Dichloropropene	0.42	U	50.0	45.4		ug/L		91	70 - 130	2	30
1,2,3-Trichlorobenzene	2.5	U	50.0	47.5		ug/L		95	61 - 141	3	30
1,2,4-Trichlorobenzene	2.5	U	50.0	44.2		ug/L		88	70 - 130	1	30
1,1,1-Trichloroethane	0.37	U	50.0	50.5		ug/L		101	70 - 130	1	30
1,1,2-Trichloroethane	0.33	U	50.0	45.9		ug/L		92	70 - 130	3	30
Trichloroethene	6.9		50.0	57.6		ug/L		101	70 - 130	0	30
Trichlorofluoromethane	0.42	U	50.0	50.5		ug/L		101	63 - 142	1	30
1,2,3-Trichloropropane	0.39	U	50.0	50.9		ug/L		102	70 - 130	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	49.1		ug/L		98	63 - 141	1	30
1,2,4-Trimethylbenzene	0.47	U	50.0	51.9		ug/L		104	70 - 130	1	30
1,3,5-Trimethylbenzene	0.31	U	50.0	54.7		ug/L		109	70 - 130	2	30
Vinyl acetate	0.81	U	100	99.0		ug/L		99	67 - 135	5	30
Vinyl chloride	2.7		50.0	54.0		ug/L		103	66 - 129	2	30
Xylenes, Total	0.23	U	100	106		ug/L		106	70 - 130	1	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: 680-198823-14 MSD

Matrix: Water

Analysis Batch: 668824

Client Sample ID: OLF-G42

Prep Type: Total/NA

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	103		70 - 130
1,2-Dichloroethane-d4 (Surr)	89		60 - 124
Toluene-d8 (Surr)	95		70 - 130

Lab Sample ID: MB 680-668832/8

Matrix: Water

Analysis Batch: 668832

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 15:19	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 15:19	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 15:19	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 15:19	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 15:19	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 15:19	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 15:19	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 15:19	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 15:19	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 15:19	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 15:19	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 15:19	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 15:19	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 15:19	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 15:19	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 15:19	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 15:19	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 15:19	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 15:19	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 15:19	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 15:19	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 15:19	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 15:19	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 15:19	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 15:19	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 15:19	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 15:19	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 15:19	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 15:19	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 15:19	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 15:19	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 15:19	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 15:19	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 15:19	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 15:19	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 15:19	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 15:19	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 15:19	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 15:19	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: MB 680-668832/8

Matrix: Water

Analysis Batch: 668832

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 15:19	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 15:19	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 15:19	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 15:19	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 15:19	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 15:19	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 15:19	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 15:19	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 15:19	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 15:19	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 15:19	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 15:19	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 15:19	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 15:19	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 15:19	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 15:19	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 15:19	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 15:19	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 15:19	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 15:19	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 15:19	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 15:19	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 15:19	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 15:19	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 15:19	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 15:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 15:19	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 15:19	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 15:19	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 15:19	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 15:19	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 15:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		05/17/21 15:19	1
Dibromofluoromethane (Surr)	96		70 - 130		05/17/21 15:19	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		05/17/21 15:19	1
Toluene-d8 (Surr)	101		70 - 130		05/17/21 15:19	1

Lab Sample ID: LCS 680-668832/3

Matrix: Water

Analysis Batch: 668832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	229		ug/L		92	67 - 113
Acrylonitrile	500	496		ug/L		99	70 - 130
Benzene	50.0	48.5		ug/L		97	70 - 130
Bromobenzene	50.0	53.8		ug/L		108	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCS 680-668832/3

Matrix: Water

Analysis Batch: 668832

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	48.8		ug/L		98	70 - 130
Bromodichloromethane	50.0	51.3		ug/L		103	70 - 130
Bromoform	50.0	55.2		ug/L		110	69 - 129
Bromomethane	50.0	55.2		ug/L		110	28 - 192
2-Butanone (MEK)	250	235		ug/L		94	69 - 114
Carbon disulfide	50.0	52.0		ug/L		104	70 - 130
Carbon tetrachloride	50.0	53.0		ug/L		106	70 - 130
Chlorobenzene	50.0	50.3		ug/L		101	70 - 130
Chloroethane	50.0	58.9		ug/L		118	31 - 213
Chloroform	50.0	48.6		ug/L		97	70 - 130
Chloromethane	50.0	48.5		ug/L		97	59 - 127
2-Chlorotoluene	50.0	49.9		ug/L		100	70 - 130
4-Chlorotoluene	50.0	51.8		ug/L		104	70 - 130
cis-1,2-Dichloroethene	50.0	55.5		ug/L		111	70 - 130
cis-1,3-Dichloropropene	50.0	50.9		ug/L		102	70 - 130
Dibromochloromethane	50.0	51.8		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	48.4		ug/L		97	70 - 130
1,2-Dibromoethane	50.0	48.9		ug/L		98	70 - 130
Dibromomethane	50.0	50.7		ug/L		101	70 - 130
1,2-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 130
1,3-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 130
1,4-Dichlorobenzene	50.0	48.4		ug/L		97	70 - 130
Dichlorodifluoromethane	50.0	53.5		ug/L		107	70 - 130
1,1-Dichloroethane	50.0	49.7		ug/L		99	70 - 130
1,2-Dichloroethane	50.0	53.2		ug/L		106	70 - 130
1,1-Dichloroethene	50.0	48.0		ug/L		96	70 - 130
1,2-Dichloropropane	50.0	49.8		ug/L		100	70 - 130
1,3-Dichloropropane	50.0	50.5		ug/L		101	70 - 130
2,2-Dichloropropane	50.0	51.0		ug/L		102	70 - 130
1,1-Dichloropropene	50.0	51.3		ug/L		103	70 - 130
Ethylbenzene	50.0	51.2		ug/L		102	70 - 130
Hexachlorobutadiene	50.0	52.4		ug/L		105	70 - 130
2-Hexanone	250	242		ug/L		97	70 - 130
Iodomethane	50.0	49.4		ug/L		99	52 - 129
Isopropylbenzene	50.0	51.0		ug/L		102	70 - 130
Methylene Chloride	50.0	50.0		ug/L		100	70 - 130
4-Methyl-2-pentanone (MIBK)	250	237		ug/L		95	68 - 108
Methyl tert-butyl ether	50.0	49.4		ug/L		99	70 - 130
m-Xylene & p-Xylene	50.0	51.5		ug/L		103	70 - 130
Naphthalene	50.0	48.3		ug/L		97	57 - 149
n-Butylbenzene	50.0	49.4		ug/L		99	70 - 130
N-Propylbenzene	50.0	51.3		ug/L		103	70 - 130
o-Xylene	50.0	52.0		ug/L		104	70 - 130
p-Isopropyltoluene	50.0	49.6		ug/L		99	70 - 130
sec-Butylbenzene	50.0	52.2		ug/L		104	70 - 130
Styrene	50.0	52.4		ug/L		105	70 - 130
tert-Butylbenzene	50.0	51.7		ug/L		103	70 - 130
1,1,1,2-Tetrachloroethane	50.0	52.2		ug/L		104	70 - 130
1,1,2,2-Tetrachloroethane	50.0	43.9		ug/L		88	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCS 680-668832/3

Matrix: Water

Analysis Batch: 668832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethylene	50.0	52.1		ug/L		104	70 - 130
Toluene	50.0	49.9		ug/L		100	70 - 130
trans-1,4-Dichloro-2-butene	50.0	51.9		ug/L		104	67 - 112
trans-1,2-Dichloroethene	50.0	49.0		ug/L		98	70 - 130
trans-1,3-Dichloropropene	50.0	54.1		ug/L		108	70 - 130
1,2,3-Trichlorobenzene	50.0	50.2		ug/L		100	61 - 141
1,2,4-Trichlorobenzene	50.0	51.1		ug/L		102	70 - 130
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	70 - 130
1,1,2-Trichloroethane	50.0	47.8		ug/L		96	70 - 130
Trichloroethene	50.0	51.4		ug/L		103	70 - 130
Trichlorofluoromethane	50.0	56.2		ug/L		112	63 - 142
1,2,3-Trichloropropane	50.0	51.2		ug/L		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.8		ug/L		100	63 - 141
1,2,4-Trimethylbenzene	50.0	52.2		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	50.0	52.3		ug/L		105	70 - 130
Vinyl acetate	100	91.9		ug/L		92	67 - 135
Vinyl chloride	50.0	49.2		ug/L		98	66 - 129
Xylenes, Total	100	104		ug/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: LCSD 680-668832/4

Matrix: Water

Analysis Batch: 668832

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	223		ug/L		89	67 - 113	3	30
Acrylonitrile	500	506		ug/L		101	70 - 130	2	30
Benzene	50.0	48.7		ug/L		97	70 - 130	0	30
Bromobenzene	50.0	52.3		ug/L		105	70 - 130	3	30
Bromochloromethane	50.0	51.1		ug/L		102	70 - 130	5	30
Bromodichloromethane	50.0	52.1		ug/L		104	70 - 130	2	30
Bromoform	50.0	54.3		ug/L		109	69 - 129	2	30
Bromomethane	50.0	66.9		ug/L		134	28 - 192	19	30
2-Butanone (MEK)	250	227		ug/L		91	69 - 114	3	30
Carbon disulfide	50.0	55.5		ug/L		111	70 - 130	6	30
Carbon tetrachloride	50.0	53.9		ug/L		108	70 - 130	2	30
Chlorobenzene	50.0	49.7		ug/L		99	70 - 130	1	30
Chloroethane	50.0	73.1		ug/L		146	31 - 213	22	30
Chloroform	50.0	50.3		ug/L		101	70 - 130	4	30
Chloromethane	50.0	53.5		ug/L		107	59 - 127	10	30
2-Chlorotoluene	50.0	50.5		ug/L		101	70 - 130	1	30
4-Chlorotoluene	50.0	52.5		ug/L		105	70 - 130	1	30
cis-1,2-Dichloroethene	50.0	50.5		ug/L		101	70 - 130	10	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCSD 680-668832/4

Matrix: Water

Analysis Batch: 668832

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
cis-1,3-Dichloropropene	50.0	51.3		ug/L		103	70 - 130	1	20
Dibromochloromethane	50.0	51.3		ug/L		103	70 - 130	1	30
1,2-Dibromo-3-Chloropropane	50.0	46.4		ug/L		93	70 - 130	4	30
1,2-Dibromoethane	50.0	49.6		ug/L		99	70 - 130	1	30
Dibromomethane	50.0	50.7		ug/L		101	70 - 130	0	30
1,2-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 130	1	30
1,3-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 130	2	30
1,4-Dichlorobenzene	50.0	49.7		ug/L		99	70 - 130	3	30
Dichlorodifluoromethane	50.0	57.9		ug/L		116	70 - 130	8	40
1,1-Dichloroethane	50.0	51.1		ug/L		102	70 - 130	3	30
1,2-Dichloroethane	50.0	51.9		ug/L		104	70 - 130	2	50
1,1-Dichloroethene	50.0	49.9		ug/L		100	70 - 130	4	20
1,2-Dichloropropane	50.0	51.3		ug/L		103	70 - 130	3	20
1,3-Dichloropropane	50.0	50.5		ug/L		101	70 - 130	0	20
2,2-Dichloropropane	50.0	52.1		ug/L		104	70 - 130	2	20
1,1-Dichloropropene	50.0	52.3		ug/L		105	70 - 130	2	20
Ethylbenzene	50.0	50.4		ug/L		101	70 - 130	2	20
Hexachlorobutadiene	50.0	55.8		ug/L		112	70 - 130	6	20
2-Hexanone	250	235		ug/L		94	70 - 130	3	20
Iodomethane	50.0	54.7		ug/L		109	52 - 129	10	30
Isopropylbenzene	50.0	51.1		ug/L		102	70 - 130	0	30
Methylene Chloride	50.0	53.8		ug/L		108	70 - 130	7	30
4-Methyl-2-pentanone (MIBK)	250	226		ug/L		90	68 - 108	5	30
Methyl tert-butyl ether	50.0	47.6		ug/L		95	70 - 130	4	30
m-Xylene & p-Xylene	50.0	51.3		ug/L		103	70 - 130	0	30
Naphthalene	50.0	50.6		ug/L		101	57 - 149	5	30
n-Butylbenzene	50.0	49.9		ug/L		100	70 - 130	1	30
N-Propylbenzene	50.0	51.3		ug/L		103	70 - 130	0	30
o-Xylene	50.0	52.0		ug/L		104	70 - 130	0	30
p-Isopropyltoluene	50.0	50.2		ug/L		100	70 - 130	1	30
sec-Butylbenzene	50.0	53.6		ug/L		107	70 - 130	3	30
Styrene	50.0	52.4		ug/L		105	70 - 130	0	30
tert-Butylbenzene	50.0	52.6		ug/L		105	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/L		105	70 - 130	0	30
1,1,2,2-Tetrachloroethane	50.0	43.6		ug/L		87	70 - 130	1	30
Tetrachloroethylene	50.0	52.3		ug/L		105	70 - 130	0	30
Toluene	50.0	49.6		ug/L		99	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	52.0		ug/L		104	67 - 112	0	30
trans-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130	1	30
trans-1,3-Dichloropropene	50.0	53.7		ug/L		107	70 - 130	1	30
1,2,3-Trichlorobenzene	50.0	53.0		ug/L		106	61 - 141	5	30
1,2,4-Trichlorobenzene	50.0	51.9		ug/L		104	70 - 130	2	30
1,1,1-Trichloroethane	50.0	52.0		ug/L		104	70 - 130	2	30
1,1,2-Trichloroethane	50.0	47.4		ug/L		95	70 - 130	1	30
Trichloroethene	50.0	52.2		ug/L		104	70 - 130	1	30
Trichlorofluoromethane	50.0	65.3		ug/L		131	63 - 142	15	30
1,2,3-Trichloropropane	50.0	50.2		ug/L		100	70 - 130	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.1		ug/L		100	63 - 141	0	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCSD 680-668832/4

Matrix: Water

Analysis Batch: 668832

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
1,2,4-Trimethylbenzene	50.0	52.6		ug/L		105	70 - 130	1	30
1,3,5-Trimethylbenzene	50.0	53.5		ug/L		107	70 - 130	2	30
Vinyl acetate	100	86.2		ug/L		86	67 - 135	6	30
Vinyl chloride	50.0	52.0		ug/L		104	66 - 129	5	30
Xylenes, Total	100	103		ug/L		103	70 - 130	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
Dibromofluoromethane (Surr)	105		70 - 130
1,2-Dichloroethane-d4 (Surr)	105		60 - 124
Toluene-d8 (Surr)	101		70 - 130

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-668916/8

Matrix: Water

Analysis Batch: 668916

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			05/17/21 15:57	1
Ethene	0.31	U	1.0	0.31	ug/L			05/17/21 15:57	1
Methane	0.57	U	0.58	0.57	ug/L			05/17/21 15:57	1
Methane (TCD)	59	U	390	59	ug/L			05/17/21 15:57	1

Lab Sample ID: LCS 680-668916/3

Matrix: Water

Analysis Batch: 668916

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	1940		ug/L		101	75 - 125

Lab Sample ID: LCS 680-668916/6

Matrix: Water

Analysis Batch: 668916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	318		ug/L		110	75 - 125
Ethene	269	284		ug/L		106	75 - 125
Methane	154	163		ug/L		106	75 - 125

Lab Sample ID: LCSD 680-668916/4

Matrix: Water

Analysis Batch: 668916

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	1950		ug/L		101	75 - 125	0	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCSD 680-668916/7

Matrix: Water

Analysis Batch: 668916

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	288	307		ug/L		107	75 - 125	3	30
Ethene	269	276		ug/L		102	75 - 125	3	30
Methane	154	158		ug/L		102	75 - 125	3	30

Lab Sample ID: 680-198823-1 MS

Matrix: Water

Analysis Batch: 668916

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	RPD	RPD Limit
Ethane	52		288	391		ug/L		118	75 - 125		
Ethene	11		269	302		ug/L		108	75 - 125		

Lab Sample ID: 680-198823-1 MSD

Matrix: Water

Analysis Batch: 668916

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	52		288	385		ug/L		115	75 - 125	2	30
Ethene	11		269	298		ug/L		107	75 - 125	1	30

Lab Sample ID: MB 680-669068/8

Matrix: Water

Analysis Batch: 669068

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			05/18/21 15:53	1
Ethene	0.31	U	1.0	0.31	ug/L			05/18/21 15:53	1
Methane	0.57	U	0.58	0.57	ug/L			05/18/21 15:53	1
Methane (TCD)	59	U	390	59	ug/L			05/18/21 15:53	1

Lab Sample ID: LCS 680-669068/3

Matrix: Water

Analysis Batch: 669068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methane (TCD)	1920	1920		ug/L		100	75 - 125		

Lab Sample ID: LCS 680-669068/6

Matrix: Water

Analysis Batch: 669068

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethane	288	310		ug/L		108	75 - 125		
Ethene	269	281		ug/L		104	75 - 125		
Methane	154	160		ug/L		104	75 - 125		

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198823-1

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

Lab Sample ID: LCSD 680-669068/4

Matrix: Water

Analysis Batch: 669068

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	1940		ug/L		101	75 - 125	1	30

Lab Sample ID: LCSD 680-669068/7

Matrix: Water

Analysis Batch: 669068

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	288	315		ug/L		109	75 - 125	1	30
Ethene	269	278		ug/L		103	75 - 125	1	30
Methane	154	161		ug/L		105	75 - 125	1	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-669133/2

Matrix: Water

Analysis Batch: 669133

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			05/17/21 22:16	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			05/17/21 22:16	1

Lab Sample ID: LCS 680-669133/3

Matrix: Water

Analysis Batch: 669133

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.4		mg/L		97	80 - 120
Total Organic Carbon - Quad	20.0	19.4		mg/L		97	80 - 120
TOC Result 1	20.0	19.4		mg/L		97	80 - 120
TOC Result 2	20.0	19.2		mg/L		96	80 - 120
TOC Result 3	20.0	19.4		mg/L		97	80 - 120
TOC Result 4	20.0	19.5		mg/L		97	80 - 120

Lab Sample ID: LCSD 680-669133/4

Matrix: Water

Analysis Batch: 669133

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
Total Organic Carbon	20.0	19.4		mg/L		97	80 - 120	0	25
Total Organic Carbon - Quad	20.0	19.4		mg/L		97	80 - 120	0	25
TOC Result 1	20.0	19.5		mg/L		97	80 - 120	0	25
TOC Result 2	20.0	19.3		mg/L		96	80 - 120	1	25
TOC Result 3	20.0	19.3		mg/L		97	80 - 120	0	25
TOC Result 4	20.0	19.4		mg/L		97	80 - 120	0	25

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QC Sample Results

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

Job ID: 680-198823-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 680-198823-1 MS

Matrix: Water

Analysis Batch: 669133

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
Total Organic Carbon	4.5		20.0	24.0		mg/L		98	80 - 120
Total Organic Carbon - Quad	4.5		20.0	24.0		mg/L		98	80 - 120
TOC Result 1	4.6		20.0	24.3		mg/L		99	80 - 120
TOC Result 2	4.5		20.0	24.0		mg/L		98	80 - 120
TOC Result 3	4.4		20.0	23.8		mg/L		97	80 - 120
TOC Result 4	4.4		20.0	24.1		mg/L		99	80 - 120

Lab Sample ID: 680-198823-1 MSD

Matrix: Water

Analysis Batch: 669133

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
Total Organic Carbon	4.5		20.0	24.2		mg/L		99	80 - 120	1	25
Total Organic Carbon - Quad	4.5		20.0	24.2		mg/L		99	80 - 120	1	25
TOC Result 1	4.6		20.0	24.2		mg/L		98	80 - 120	0	25
TOC Result 2	4.5		20.0	24.1		mg/L		98	80 - 120	1	25
TOC Result 3	4.4		20.0	24.1		mg/L		98	80 - 120	1	25
TOC Result 4	4.4		20.0	24.3		mg/L		99	80 - 120	1	25

QC Association Summary

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

Job ID: 680-198823-1

GC/MS VOA

Analysis Batch: 668761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198823-13	OLF-G12	Total/NA	Water	8260B	
MB 680-668761/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668761/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668761/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 668824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198823-1	OLF-G72 Port 1	Total/NA	Water	8260B	
680-198823-2	OLF-G72 Port 2	Total/NA	Water	8260B	
680-198823-3	OLF-G72 Port 3	Total/NA	Water	8260B	
680-198823-4	OLF-G72 Port 4	Total/NA	Water	8260B	
680-198823-5	OLF-G72 Port 5	Total/NA	Water	8260B	
680-198823-6	OLF-G72 Port 6	Total/NA	Water	8260B	
680-198823-7	OLF-G71 Port 1	Total/NA	Water	8260B	
680-198823-8	OLF-G71 Port 2	Total/NA	Water	8260B	
680-198823-9	OLF-G71 Port 3	Total/NA	Water	8260B	
680-198823-10	OLF-G71 Port 4	Total/NA	Water	8260B	
680-198823-11	OLF-G71 Port 5	Total/NA	Water	8260B	
680-198823-12	DUP373	Total/NA	Water	8260B	
680-198823-14	OLF-G42	Total/NA	Water	8260B	
680-198823-15	OLF-G20	Total/NA	Water	8260B	
680-198823-16	OLF-G75 Screen 3	Total/NA	Water	8260B	
680-198823-17	OLF-G75 Screen 5	Total/NA	Water	8260B	
MB 680-668824/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668824/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668824/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-198823-1 MS	OLF-G72 Port 1	Total/NA	Water	8260B	
680-198823-1 MSD	OLF-G72 Port 1	Total/NA	Water	8260B	
680-198823-14 MS	OLF-G42	Total/NA	Water	8260B	
680-198823-14 MSD	OLF-G42	Total/NA	Water	8260B	

Analysis Batch: 668832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198823-18	OLF-G49	Total/NA	Water	8260B	
680-198823-19	OLF-G50	Total/NA	Water	8260B	
680-198823-20	OLF-G51	Total/NA	Water	8260B	
680-198823-21	OLF-G32	Total/NA	Water	8260B	
680-198823-22	OLF-G52	Total/NA	Water	8260B	
680-198823-23	OLF-G16	Total/NA	Water	8260B	
680-198823-24	TB579	Total/NA	Water	8260B	
680-198823-25	DUP374	Total/NA	Water	8260B	
MB 680-668832/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668832/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668832/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 668916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198823-1	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-198823-2	OLF-G72 Port 2	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: 680-198823-1

GC VOA (Continued)

Analysis Batch: 668916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198823-3	OLF-G72 Port 3	Total/NA	Water	RSK-175	
680-198823-4	OLF-G72 Port 4	Total/NA	Water	RSK-175	
680-198823-5	OLF-G72 Port 5	Total/NA	Water	RSK-175	
680-198823-6	OLF-G72 Port 6	Total/NA	Water	RSK-175	
680-198823-13	OLF-G12	Total/NA	Water	RSK-175	
MB 680-668916/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-668916/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-668916/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-668916/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-668916/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-198823-1 MS	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-198823-1 MSD	OLF-G72 Port 1	Total/NA	Water	RSK-175	

Analysis Batch: 669068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198823-1	OLF-G72 Port 1	Total/NA	Water	RSK-175	
MB 680-669068/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-669068/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-669068/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-669068/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-669068/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-198823-1 MS	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-198823-1 MSD	OLF-G72 Port 1	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 669133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198823-1	OLF-G72 Port 1	Total/NA	Water	9060A	
680-198823-2	OLF-G72 Port 2	Total/NA	Water	9060A	
680-198823-3	OLF-G72 Port 3	Total/NA	Water	9060A	
680-198823-4	OLF-G72 Port 4	Total/NA	Water	9060A	
680-198823-5	OLF-G72 Port 5	Total/NA	Water	9060A	
680-198823-6	OLF-G72 Port 6	Total/NA	Water	9060A	
MB 680-669133/2	Method Blank	Total/NA	Water	9060A	
LCS 680-669133/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-669133/4	Lab Control Sample Dup	Total/NA	Water	9060A	
680-198823-1 MS	OLF-G72 Port 1	Total/NA	Water	9060A	
680-198823-1 MSD	OLF-G72 Port 1	Total/NA	Water	9060A	

Lab Chronicle

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-198823-1

Date Collected: 05/11/21 13:50

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 16:11	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 17:47	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	RSK-175		20	17 mL	17 mL	669068	05/18/21 18:34	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 02:47	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-198823-2

Date Collected: 05/11/21 14:35

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 16:36	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 18:26	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 03:40	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-198823-3

Date Collected: 05/11/21 15:00

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 17:00	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 18:39	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 04:00	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-198823-4

Date Collected: 05/11/21 15:25

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 17:25	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 20:02	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 04:20	RKJ	TAL SAV
		Instrument ID: TOC7								

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Lab Chronicle

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

Job ID: 680-198823-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-198823-5

Date Collected: 05/11/21 15:45

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 17:49	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 20:15	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 04:39	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-198823-6

Date Collected: 05/11/21 16:10

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 18:14	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 20:28	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 04:58	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-198823-7

Date Collected: 05/11/21 10:30

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 18:39	P1C	TAL SAV
		Instrument ID: CMSAA								

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-198823-8

Date Collected: 05/11/21 10:45

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 19:03	P1C	TAL SAV
		Instrument ID: CMSAA								

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-198823-9

Date Collected: 05/11/21 11:05

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 19:28	P1C	TAL SAV
		Instrument ID: CMSAA								

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Lab Chronicle

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

Job ID: 680-198823-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-198823-10

Date Collected: 05/11/21 11:20

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 19:53	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-198823-11

Date Collected: 05/11/21 11:45

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 20:18	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: DUP373

Lab Sample ID: 680-198823-12

Date Collected: 05/06/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 20:42	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G12

Lab Sample ID: 680-198823-13

Date Collected: 05/06/21 10:55

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668761	05/16/21 15:01	UI	TAL SAV
Instrument ID: CMSO2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 20:41	JCK	TAL SAV
Instrument ID: CVGU										

Client Sample ID: OLF-G42

Lab Sample ID: 680-198823-14

Date Collected: 05/11/21 14:50

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 21:07	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G20

Lab Sample ID: 680-198823-15

Date Collected: 05/11/21 16:30

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 21:32	P1C	TAL SAV
Instrument ID: CMSAA										

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Lab Chronicle

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

Job ID: 680-198823-1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-198823-16

Date Collected: 05/11/21 12:40

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 21:56	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-198823-17

Date Collected: 05/11/21 11:10

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668824	05/17/21 22:21	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G49

Lab Sample ID: 680-198823-18

Date Collected: 05/12/21 12:21

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668832	05/17/21 16:36	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G50

Lab Sample ID: 680-198823-19

Date Collected: 05/12/21 11:06

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668832	05/17/21 16:58	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G51

Lab Sample ID: 680-198823-20

Date Collected: 05/12/21 10:01

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668832	05/17/21 17:21	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G32

Lab Sample ID: 680-198823-21

Date Collected: 05/10/21 09:50

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668832	05/17/21 17:43	P1C	TAL SAV
Instrument ID: CMSB										

Lab Chronicle

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

Job ID: 680-198823-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-198823-22

Date Collected: 05/10/21 14:20

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668832	05/17/21 18:06	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G16

Lab Sample ID: 680-198823-23

Date Collected: 05/12/21 10:25

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668832	05/17/21 18:28	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: TB579

Lab Sample ID: 680-198823-24

Date Collected: 05/12/21 02:45

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668832	05/17/21 15:51	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: DUP374

Lab Sample ID: 680-198823-25

Date Collected: 05/06/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668832	05/17/21 18:51	P1C	TAL SAV
Instrument ID: CMSB										

Laboratory References:

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: 680-198823-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-21

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Method Summary

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

Job ID: 680-198823-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL SAV
5030B	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

COC# 6376

Cooler ID _____ Page 1 of 2
Cooler 2 of 3

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 # 20.094.21-05.3.500
Lab contract: _____

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-G72 Port 1	NS	MW	Water	Grab	X	5/11/21	13:50	X	X	X	
OLF-G72 Port 2	NS	MW	Water	Grab		5/11/21	14:35	X	X	X	
OLF-G72 Port 3	NS	MW	Water	Grab		5/11/21	15:00	X	X	X	
OLF-G72 Port 4	NS	MW	Water	Grab		5/11/21	15:25	X	X	X	
OLF-G72 Port 5	NS	MW	Water	Grab		5/11/21	15:45	X	X	X	
OLF-G72 Port 6	NS	MW	Water	Grab		5/11/21	16:10	X	X	X	
OLF-G71 Port 1	NS	MW	Water	Grab		5/11/21	10:30	X			
OLF-G71 Port 2	NS	MW	Water	Grab		5/11/21	10:45	X			
OLF-G71 Port 3	NS	MW	Water	Grab		5/11/21	11:05	X			
OLF-G71 Port 4	NS	MW	Water	Grab		5/11/21	11:20	X			
OLF-G71 Port 5	NS	MW	Water	Grab		5/11/21	11:45	X			
DUP 373	FD	FD	Water	BP		5/16/21	N/A	X			
OLF-G12	NS	MW	Water	BP		5/16/21	10:55	X	X		
OLF-G42	NS	MW	Water	BP		5/11/21	14:50	X			
OLF-G20	NS	MW	Water	BP		5/11/21	16:30	X			
OLF-G75 Screen 3	NS	MW	Water	BP		5/11/21	12:40	X			
OLF-G75 Screen 5	NS	MW	Water	BP		5/11/21	11:10	X			
OLF-G49	NS	MW	Water	BP		5/12/21	12:21	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): Date/Time: 5/12/21 16:00
Received by (Signature): FedEx

Relinquished by (Signature): Date/Time: 5-13-21 9:30
Received by (Signature): Date/Time: 3.4/3.5

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- 12

COC#6374

MES Phone 801-699-1246

Task # 20.094.21-05.3.500

Lab contract:

Samplers Signature

Station	QC Code	

[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

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

Relinquished by (Signature):

Date/Time:

12/21/5

16:00

Received by (Signature):

fedEX

Relinquished by (Signature):

Date/Time:

Received by (Signature):

5-13-21 930

Cooler ID

Page

Analysis

SW8260B - VOC
3-40 mL vials, HCl

1:

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SW8260B - VOC TB
2-40 mL vials, HCl

Sample Time

Date Collected

1	2	3	4

0
all

71-0106

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t		#	:

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Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-198823-1

Login Number: 198823

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	

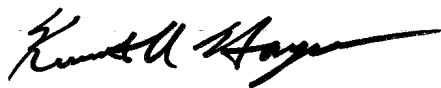
ANALYTICAL REPORT

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

Laboratory Job ID: 680-198824-1
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:
5/21/2021 5:05:52 PM

Ken Hayes, Project Manager II
(615)301-5035
Ken.Hayes@Eurofinset.com

LINKS

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results through
TotalAccess

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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: 680-198824-1

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.

GC VOA

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

General Chemistry

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: 680-198824-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-198824-1	OLF-G77	Water	05/12/21 11:45	05/13/21 09:30	
680-198824-2	DUP377	Water	05/12/21 00:00	05/13/21 09:30	
680-198824-3	OLF-G07	Water	05/12/21 09:35	05/13/21 09:30	
680-198824-4	DUP375	Water	05/10/21 00:00	05/13/21 09:30	
680-198824-5	OLF-G78	Water	05/12/21 13:35	05/13/21 09:30	
680-198824-6	TB580	Water	05/12/21 02:45	05/13/21 09:30	
680-198824-7	MB108	Water	05/12/21 14:15	05/13/21 09:30	
680-198824-8	EB138	Water	05/12/21 14:10	05/13/21 09:30	

Case Narrative

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

Job ID: 680-198824-1

Job ID: 680-198824-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-198824-1

Comments

No additional comments.

Receipt

The samples were received on 5/13/2021 9:30 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 2.0° C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668832.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-668857 recovered outside control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-668851 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-668851 were outside control limits. Sample matrix interference is suspected.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-668851 recovered outside control limits for the following analyte: Vinyl acetate. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 680-668851 recovered outside control limits for the following analytes: Vinyl acetate and Dichlorodifluoromethane. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-668992 recovered above the upper control limit for Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-668992 recovered outside control limits for the following analyte: Vinyl acetate. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-668992.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-669004.

Method 8260B: The following sample contained residual chlorine upon receipt: OLF-G77 (680-198824-1).

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

HPLC/IC

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

GC Semi VOA

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

Case Narrative

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

Job ID: 680-198824-1

Job ID: 680-198824-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

VOA Prep

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

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Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-198824-1

Date Collected: 05/12/21 11:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 19:53	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 19:53	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:53	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 19:53	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 19:53	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:53	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 19:53	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 19:53	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 19:53	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 19:53	1
Chlorobenzene	10		1.0	0.26	ug/L			05/17/21 19:53	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 19:53	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 19:53	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 19:53	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 19:53	1
cis-1,2-Dichloroethene	180		1.0	0.41	ug/L			05/17/21 19:53	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 19:53	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 19:53	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 19:53	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:53	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 19:53	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 19:53	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:53	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 19:53	1
Dichlorodifluoromethane	0.60	U **	1.0	0.60	ug/L			05/17/21 19:53	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 19:53	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 19:53	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 19:53	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 19:53	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 19:53	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 19:53	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 19:53	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 19:53	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 19:53	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 19:53	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 19:53	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 19:53	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 19:53	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 19:53	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:53	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 19:53	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 19:53	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:53	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 19:53	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-198824-1

Date Collected: 05/12/21 11:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 19:53	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 19:53	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:53	1
Tetrachloroethylene	7.6		1.0	0.74	ug/L			05/17/21 19:53	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:53	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 19:53	1
trans-1,2-Dichloroethene	160		1.0	0.37	ug/L			05/17/21 19:53	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 19:53	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:53	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:53	1
1,1,2-Trichloroethane	21		1.0	0.33	ug/L			05/17/21 19:53	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 19:53	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 19:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 19:53	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:53	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 19:53	1
Vinyl acetate	0.81	U **	2.0	0.81	ug/L			05/17/21 19:53	1
Vinyl chloride	8.4		1.0	0.50	ug/L			05/17/21 19:53	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130		05/17/21 19:53	1
Dibromofluoromethane (Surr)	95		70 - 130		05/17/21 19:53	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/17/21 19:53	1
Toluene-d8 (Surr)	94		70 - 130		05/17/21 19:53	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1100		20	12	ug/L			05/18/21 15:26	20
Trichloroethene	540		20	9.6	ug/L			05/18/21 15:26	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130		05/18/21 15:26	20
Dibromofluoromethane (Surr)	96		70 - 130		05/18/21 15:26	20
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		05/18/21 15:26	20
Toluene-d8 (Surr)	97		70 - 130		05/18/21 15:26	20

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.7		1.1	0.30	ug/L			05/17/21 20:54	1
Ethene	5.6		1.0	0.31	ug/L			05/17/21 20:54	1
Methane (TCD)	900		390	59	ug/L			05/17/21 20:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.50	mg/L			05/18/21 05:16	1
Total Organic Carbon - Quad	1.3		1.0	0.50	mg/L			05/18/21 05:16	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: DUP377

Lab Sample ID: 680-198824-2

Date Collected: 05/12/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 20:16	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 20:16	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:16	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 20:16	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 20:16	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:16	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 20:16	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:16	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 20:16	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 20:16	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 20:16	1
Chlorobenzene	10		1.0	0.26	ug/L			05/17/21 20:16	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:16	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 20:16	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 20:16	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 20:16	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 20:16	1
cis-1,2-Dichloroethene	180		1.0	0.41	ug/L			05/17/21 20:16	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 20:16	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 20:16	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 20:16	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:16	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 20:16	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 20:16	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:16	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 20:16	1
Dichlorodifluoromethane	0.60	U **	1.0	0.60	ug/L			05/17/21 20:16	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 20:16	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 20:16	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 20:16	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 20:16	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 20:16	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 20:16	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 20:16	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 20:16	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 20:16	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 20:16	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 20:16	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 20:16	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 20:16	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 20:16	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 20:16	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 20:16	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 20:16	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:16	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 20:16	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 20:16	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:16	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 20:16	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: DUP377

Lab Sample ID: 680-198824-2

Date Collected: 05/12/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 20:16	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 20:16	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:16	1
Tetrachloroethylene	7.6		1.0	0.74	ug/L			05/17/21 20:16	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:16	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 20:16	1
trans-1,2-Dichloroethene	160		1.0	0.37	ug/L			05/17/21 20:16	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 20:16	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:16	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:16	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:16	1
1,1,2-Trichloroethane	21		1.0	0.33	ug/L			05/17/21 20:16	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 20:16	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 20:16	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:16	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 20:16	1
Vinyl acetate	0.81	U *	2.0	0.81	ug/L			05/17/21 20:16	1
Vinyl chloride	8.3		1.0	0.50	ug/L			05/17/21 20:16	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		05/17/21 20:16	1
Dibromofluoromethane (Surr)	95		70 - 130		05/17/21 20:16	1
1,2-Dichloroethane-d4 (Surr)	91		60 - 124		05/17/21 20:16	1
Toluene-d8 (Surr)	95		70 - 130		05/17/21 20:16	1

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	1200		20	12	ug/L			05/18/21 15:49	20
Trichloroethene	540		20	9.6	ug/L			05/18/21 15:49	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		05/18/21 15:49	20
Dibromofluoromethane (Surr)	97		70 - 130		05/18/21 15:49	20
1,2-Dichloroethane-d4 (Surr)	89		60 - 124		05/18/21 15:49	20
Toluene-d8 (Surr)	95		70 - 130		05/18/21 15:49	20

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.7		1.1	0.30	ug/L			05/17/21 21:07	1
Ethene	4.1		1.0	0.31	ug/L			05/17/21 21:07	1
Methane (TCD)	900		390	59	ug/L			05/17/21 21:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.3		1.0	0.50	mg/L			05/18/21 05:34	1
Total Organic Carbon - Quad	1.3		1.0	0.50	mg/L			05/18/21 05:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: OLF-G07

Lab Sample ID: 680-198824-3

Date Collected: 05/12/21 09:35

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 20:39	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 20:39	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:39	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 20:39	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 20:39	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:39	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 20:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:39	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 20:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 20:39	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 20:39	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 20:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:39	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 20:39	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 20:39	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 20:39	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 20:39	1
cis-1,2-Dichloroethene	8.3		1.0	0.41	ug/L			05/17/21 20:39	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 20:39	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 20:39	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 20:39	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:39	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 20:39	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 20:39	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:39	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 20:39	1
Dichlorodifluoromethane	0.60	U F1 **	1.0	0.60	ug/L			05/17/21 20:39	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 20:39	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 20:39	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 20:39	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 20:39	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 20:39	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 20:39	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 20:39	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 20:39	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 20:39	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 20:39	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 20:39	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 20:39	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 20:39	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 20:39	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 20:39	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 20:39	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 20:39	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:39	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 20:39	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 20:39	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:39	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 20:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: OLF-G07

Lab Sample ID: 680-198824-3

Date Collected: 05/12/21 09:35

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 20:39	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 20:39	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:39	1
1,1,2,2-Tetrachloroethane	130		1.0	0.62	ug/L			05/17/21 20:39	1
Tetrachloroethylene	1.2		1.0	0.74	ug/L			05/17/21 20:39	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:39	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 20:39	1
trans-1,2-Dichloroethene	4.5		1.0	0.37	ug/L			05/17/21 20:39	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 20:39	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:39	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:39	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:39	1
1,1,2-Trichloroethane	2.0		1.0	0.33	ug/L			05/17/21 20:39	1
Trichloroethene	63		1.0	0.48	ug/L			05/17/21 20:39	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 20:39	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 20:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 20:39	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:39	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 20:39	1
Vinyl acetate	0.81	U *	2.0	0.81	ug/L			05/17/21 20:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 20:39	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 20:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		05/17/21 20:39	1
Dibromofluoromethane (Surr)	96		70 - 130		05/17/21 20:39	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		05/17/21 20:39	1
Toluene-d8 (Surr)	97		70 - 130		05/17/21 20:39	1

Client Sample ID: DUP375

Lab Sample ID: 680-198824-4

Date Collected: 05/10/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 19:34	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 19:34	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:34	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 19:34	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 19:34	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 19:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:34	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 19:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 19:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 19:34	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 19:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 19:34	1
Chloromethane	0.40	U *	1.0	0.40	ug/L			05/17/21 19:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: DUP375

Lab Sample ID: 680-198824-4

Date Collected: 05/10/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 19:34	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 19:34	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 19:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 19:34	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 19:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 19:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:34	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 19:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 19:34	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 19:34	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 19:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 19:34	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 19:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 19:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 19:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 19:34	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 19:34	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 19:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 19:34	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 19:34	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 19:34	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 19:34	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 19:34	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 19:34	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 19:34	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 19:34	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 19:34	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 19:34	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:34	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 19:34	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 19:34	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:34	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 19:34	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 19:34	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 19:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:34	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 19:34	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 19:34	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 19:34	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 19:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 19:34	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:34	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 19:34	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 19:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 19:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: DUP375

Lab Sample ID: 680-198824-4

Date Collected: 05/10/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 19:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 19:34	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:34	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 19:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 19:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 19:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130		05/17/21 19:34	1
Dibromofluoromethane (Surr)	109		70 - 130		05/17/21 19:34	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		05/17/21 19:34	1
Toluene-d8 (Surr)	98		70 - 130		05/17/21 19:34	1

Client Sample ID: OLF-G78

Lab Sample ID: 680-198824-5

Date Collected: 05/12/21 13:35

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 19:54	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 19:54	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:54	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 19:54	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 19:54	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:54	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 19:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:54	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 19:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 19:54	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 19:54	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 19:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 19:54	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 19:54	1
Chloromethane	0.40	U *	1.0	0.40	ug/L			05/17/21 19:54	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 19:54	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 19:54	1
cis-1,2-Dichloroethene	2.9		1.0	0.41	ug/L			05/17/21 19:54	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 19:54	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 19:54	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 19:54	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 19:54	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 19:54	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 19:54	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 19:54	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 19:54	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 19:54	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 19:54	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 19:54	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 19:54	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: OLF-G78

Lab Sample ID: 680-198824-5

Date Collected: 05/12/21 13:35

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 19:54	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 19:54	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 19:54	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 19:54	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 19:54	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 19:54	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 19:54	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 19:54	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 19:54	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 19:54	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 19:54	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 19:54	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 19:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 19:54	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:54	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 19:54	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 19:54	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:54	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 19:54	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 19:54	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 19:54	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:54	1
1,1,2,2-Tetrachloroethane	12		1.0	0.62	ug/L			05/17/21 19:54	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 19:54	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 19:54	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 19:54	1
trans-1,2-Dichloroethene	0.99	J	1.0	0.37	ug/L			05/17/21 19:54	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 19:54	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:54	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 19:54	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 19:54	1
1,1,2-Trichloroethane	0.50	J	1.0	0.33	ug/L			05/17/21 19:54	1
Trichloroethene	14		1.0	0.48	ug/L			05/17/21 19:54	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 19:54	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 19:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 19:54	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 19:54	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 19:54	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 19:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 19:54	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		05/17/21 19:54	1
Dibromofluoromethane (Surr)	109		70 - 130		05/17/21 19:54	1
1,2-Dichloroethane-d4 (Surr)	99		60 - 124		05/17/21 19:54	1
Toluene-d8 (Surr)	95		70 - 130		05/17/21 19:54	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: TB580

Lab Sample ID: 680-198824-6

Date Collected: 05/12/21 02:45

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 20:14	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 20:14	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:14	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 20:14	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 20:14	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:14	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 20:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:14	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 20:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 20:14	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 20:14	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 20:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:14	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 20:14	1
Chloromethane	0.40	U *+	1.0	0.40	ug/L			05/17/21 20:14	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 20:14	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 20:14	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 20:14	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 20:14	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 20:14	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 20:14	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:14	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 20:14	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 20:14	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:14	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 20:14	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 20:14	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 20:14	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 20:14	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 20:14	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 20:14	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 20:14	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 20:14	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 20:14	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 20:14	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 20:14	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 20:14	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 20:14	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 20:14	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 20:14	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 20:14	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 20:14	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 20:14	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 20:14	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:14	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 20:14	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 20:14	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:14	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 20:14	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: TB580

Lab Sample ID: 680-198824-6

Date Collected: 05/12/21 02:45

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 20:14	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 20:14	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:14	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 20:14	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 20:14	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:14	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 20:14	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 20:14	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 20:14	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:14	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:14	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:14	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 20:14	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 20:14	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 20:14	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 20:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 20:14	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:14	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 20:14	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 20:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 20:14	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 20:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130					05/17/21 20:14	1
Dibromofluoromethane (Surr)	111		70 - 130					05/17/21 20:14	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124					05/17/21 20:14	1
Toluene-d8 (Surr)	95		70 - 130					05/17/21 20:14	1

Client Sample ID: MB108

Lab Sample ID: 680-198824-7

Date Collected: 05/12/21 14:15

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 20:34	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 20:34	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:34	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 20:34	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 20:34	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 20:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:34	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 20:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 20:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 20:34	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 20:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 20:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 20:34	1
Chloromethane	0.40	U *+	1.0	0.40	ug/L			05/17/21 20:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: MB108

Lab Sample ID: 680-198824-7

Date Collected: 05/12/21 14:15

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 20:34	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 20:34	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 20:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 20:34	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 20:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 20:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 20:34	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 20:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 20:34	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 20:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 20:34	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 20:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 20:34	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 20:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 20:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 20:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 20:34	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 20:34	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 20:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 20:34	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 20:34	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 20:34	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 20:34	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 20:34	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 20:34	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 20:34	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 20:34	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 20:34	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 20:34	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:34	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 20:34	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 20:34	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:34	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 20:34	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 20:34	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 20:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:34	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 20:34	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 20:34	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 20:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 20:34	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 20:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 20:34	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:34	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 20:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 20:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 20:34	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 20:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 20:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: MB108

Lab Sample ID: 680-198824-7

Date Collected: 05/12/21 14:15

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 20:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 20:34	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 20:34	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 20:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 20:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 20:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 20:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130		05/17/21 20:34	1
Dibromofluoromethane (Surr)	112		70 - 130		05/17/21 20:34	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124		05/17/21 20:34	1
Toluene-d8 (Surr)	96		70 - 130		05/17/21 20:34	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			05/17/21 21:20	1
Ethene	0.31	U	1.0	0.31	ug/L			05/17/21 21:20	1
Methane	0.57	U	0.58	0.57	ug/L			05/17/21 21:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			05/18/21 06:26	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			05/18/21 06:26	1

Client Sample ID: EB138

Lab Sample ID: 680-198824-8

Date Collected: 05/12/21 14:10

Matrix: Water

Date Received: 05/13/21 09:30

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U *	10	7.0	ug/L			05/18/21 18:20	1
Acrylonitrile	10	U	20	10	ug/L			05/18/21 18:20	1
Benzene	0.43	U	1.0	0.43	ug/L			05/18/21 18:20	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/18/21 18:20	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/18/21 18:20	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/18/21 18:20	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/18/21 18:20	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/21 18:20	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/18/21 18:20	1
Carbon disulfide	3.0		2.0	1.0	ug/L			05/18/21 18:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/18/21 18:20	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/18/21 18:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/21 18:20	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/18/21 18:20	1
Chloromethane	0.40	U *	1.0	0.40	ug/L			05/18/21 18:20	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/18/21 18:20	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/18/21 18:20	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/18/21 18:20	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/18/21 18:20	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/18/21 18:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: EB138

Lab Sample ID: 680-198824-8

Date Collected: 05/12/21 14:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/18/21 18:20	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/18/21 18:20	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/18/21 18:20	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/18/21 18:20	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/18/21 18:20	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/18/21 18:20	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/18/21 18:20	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/18/21 18:20	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/18/21 18:20	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/18/21 18:20	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/18/21 18:20	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/18/21 18:20	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/18/21 18:20	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/18/21 18:20	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/18/21 18:20	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/18/21 18:20	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/18/21 18:20	1
Iodomethane	5.0	U	10	5.0	ug/L			05/18/21 18:20	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/18/21 18:20	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/18/21 18:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/18/21 18:20	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/18/21 18:20	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/18/21 18:20	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/18/21 18:20	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/18/21 18:20	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/18/21 18:20	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/18/21 18:20	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/18/21 18:20	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/18/21 18:20	1
Styrene	0.27	U	1.0	0.27	ug/L			05/18/21 18:20	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/18/21 18:20	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/18/21 18:20	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/18/21 18:20	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/18/21 18:20	1
Toluene	0.48	U	1.0	0.48	ug/L			05/18/21 18:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/18/21 18:20	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/18/21 18:20	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/18/21 18:20	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/18/21 18:20	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/18/21 18:20	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/18/21 18:20	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/18/21 18:20	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/18/21 18:20	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/18/21 18:20	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/18/21 18:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/18/21 18:20	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/18/21 18:20	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/18/21 18:20	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/18/21 18:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-198824-1

Client Sample ID: EB138

Lab Sample ID: 680-198824-8

Date Collected: 05/12/21 14:10

Matrix: Water

Date Received: 05/13/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/21 18:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/18/21 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130					05/18/21 18:20	1
Dibromofluoromethane (Surr)	108		70 - 130					05/18/21 18:20	1
1,2-Dichloroethane-d4 (Surr)	98		60 - 124					05/18/21 18:20	1
Toluene-d8 (Surr)	96		70 - 130					05/18/21 18:20	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			05/17/21 21:33	1
Ethene	0.31	U	1.0	0.31	ug/L			05/17/21 21:33	1
Methane	0.57	U	0.58	0.57	ug/L			05/17/21 21:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.2		1.0	0.50	mg/L			05/18/21 06:42	1
Total Organic Carbon - Quad	1.2		1.0	0.50	mg/L			05/18/21 06:42	1

QC Sample Results

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

Job ID: 680-198824-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-668851/8

Matrix: Water

Analysis Batch: 668851

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 13:48	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 13:48	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 13:48	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 13:48	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 13:48	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 13:48	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 13:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 13:48	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 13:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 13:48	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 13:48	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 13:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 13:48	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 13:48	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 13:48	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 13:48	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 13:48	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 13:48	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 13:48	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 13:48	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 13:48	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 13:48	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 13:48	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 13:48	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 13:48	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 13:48	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 13:48	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 13:48	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 13:48	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 13:48	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 13:48	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 13:48	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 13:48	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 13:48	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 13:48	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 13:48	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 13:48	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 13:48	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 13:48	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 13:48	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 13:48	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 13:48	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 13:48	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 13:48	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 13:48	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 13:48	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 13:48	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 13:48	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: MB 680-668851/8

Matrix: Water

Analysis Batch: 668851

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 13:48	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 13:48	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 13:48	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 13:48	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 13:48	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 13:48	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 13:48	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 13:48	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 13:48	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 13:48	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 13:48	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 13:48	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 13:48	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 13:48	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 13:48	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 13:48	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 13:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 13:48	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 13:48	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 13:48	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 13:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 13:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 13:48	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130		05/17/21 13:48	1
Dibromofluoromethane (Surr)	95		70 - 130		05/17/21 13:48	1
1,2-Dichloroethane-d4 (Surr)	88		60 - 124		05/17/21 13:48	1
Toluene-d8 (Surr)	96		70 - 130		05/17/21 13:48	1

Lab Sample ID: LCS 680-668851/3

Matrix: Water

Analysis Batch: 668851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	250		ug/L		100	67 - 113
Acrylonitrile	500	503		ug/L		101	70 - 130
Benzene	50.0	51.8		ug/L		104	70 - 130
Bromobenzene	50.0	52.0		ug/L		104	70 - 130
Bromochloromethane	50.0	47.7		ug/L		95	70 - 130
Bromodichloromethane	50.0	51.1		ug/L		102	70 - 130
Bromoform	50.0	50.3		ug/L		101	69 - 129
Bromomethane	50.0	66.3		ug/L		133	28 - 192
2-Butanone (MEK)	250	263		ug/L		105	69 - 114
Carbon disulfide	50.0	51.1		ug/L		102	70 - 130
Carbon tetrachloride	50.0	47.0		ug/L		94	70 - 130
Chlorobenzene	50.0	52.2		ug/L		104	70 - 130
Chloroethane	50.0	80.9		ug/L		162	31 - 213

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCS 680-668851/3

Matrix: Water

Analysis Batch: 668851

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	46.2		ug/L		92	70 - 130
Chloromethane	50.0	55.5		ug/L		111	59 - 127
2-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130
4-Chlorotoluene	50.0	49.0		ug/L		98	70 - 130
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	70 - 130
cis-1,3-Dichloropropene	50.0	50.0		ug/L		100	70 - 130
Dibromochloromethane	50.0	49.0		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	46.2		ug/L		92	70 - 130
1,2-Dibromoethane	50.0	53.5		ug/L		107	70 - 130
Dibromomethane	50.0	46.8		ug/L		94	70 - 130
1,2-Dichlorobenzene	50.0	50.5		ug/L		101	70 - 130
1,3-Dichlorobenzene	50.0	52.2		ug/L		104	70 - 130
1,4-Dichlorobenzene	50.0	50.3		ug/L		101	70 - 130
Dichlorodifluoromethane	50.0	63.8		ug/L		128	70 - 130
1,1-Dichloroethane	50.0	47.1		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	49.0		ug/L		98	70 - 130
1,1-Dichloroethene	50.0	47.7		ug/L		95	70 - 130
1,2-Dichloropropane	50.0	51.1		ug/L		102	70 - 130
1,3-Dichloropropane	50.0	51.2		ug/L		102	70 - 130
2,2-Dichloropropane	50.0	52.7		ug/L		105	70 - 130
1,1-Dichloropropene	50.0	46.9		ug/L		94	70 - 130
Ethylbenzene	50.0	49.3		ug/L		99	70 - 130
Hexachlorobutadiene	50.0	43.8		ug/L		88	70 - 130
2-Hexanone	250	230		ug/L		92	70 - 130
Iodomethane	50.0	42.1		ug/L		84	52 - 129
Isopropylbenzene	50.0	49.5		ug/L		99	70 - 130
Methylene Chloride	50.0	47.3		ug/L		95	70 - 130
4-Methyl-2-pentanone (MIBK)	250	237		ug/L		95	68 - 108
Methyl tert-butyl ether	50.0	50.1		ug/L		100	70 - 130
m-Xylene & p-Xylene	50.0	49.2		ug/L		98	70 - 130
Naphthalene	50.0	46.2		ug/L		92	57 - 149
n-Butylbenzene	50.0	49.0		ug/L		98	70 - 130
N-Propylbenzene	50.0	50.2		ug/L		100	70 - 130
o-Xylene	50.0	48.4		ug/L		97	70 - 130
p-Isopropyltoluene	50.0	48.2		ug/L		96	70 - 130
sec-Butylbenzene	50.0	49.7		ug/L		99	70 - 130
Styrene	50.0	51.6		ug/L		103	70 - 130
tert-Butylbenzene	50.0	49.1		ug/L		98	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.0		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.2		ug/L		104	70 - 130
Tetrachloroethylene	50.0	47.4		ug/L		95	70 - 130
Toluene	50.0	52.7		ug/L		105	70 - 130
trans-1,4-Dichloro-2-butene	50.0	52.3		ug/L		105	67 - 112
trans-1,2-Dichloroethene	50.0	47.5		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	50.6		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	50.0	41.5		ug/L		83	61 - 141
1,2,4-Trichlorobenzene	50.0	44.2		ug/L		88	70 - 130
1,1,1-Trichloroethane	50.0	47.6		ug/L		95	70 - 130
1,1,2-Trichloroethane	50.0	48.1		ug/L		96	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCS 680-668851/3

Matrix: Water

Analysis Batch: 668851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	45.2		ug/L		90	70 - 130
Trichlorofluoromethane	50.0	57.8		ug/L		116	63 - 142
1,2,3-Trichloropropane	50.0	51.2		ug/L		102	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.9		ug/L		94	63 - 141
1,2,4-Trimethylbenzene	50.0	48.9		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	50.0	48.9		ug/L		98	70 - 130
Vinyl acetate	100	138	+	ug/L		138	67 - 135
Vinyl chloride	50.0	48.8		ug/L		98	66 - 129
Xylenes, Total	100	97.6		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		60 - 124
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: LCSD 680-668851/4

Matrix: Water

Analysis Batch: 668851

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	247		ug/L		99	67 - 113	2	30
Acrylonitrile	500	509		ug/L		102	70 - 130	1	30
Benzene	50.0	52.2		ug/L		104	70 - 130	1	30
Bromobenzene	50.0	54.0		ug/L		108	70 - 130	4	30
Bromochloromethane	50.0	47.8		ug/L		96	70 - 130	0	30
Bromodichloromethane	50.0	51.5		ug/L		103	70 - 130	1	30
Bromoform	50.0	49.8		ug/L		100	69 - 129	1	30
Bromomethane	50.0	66.7		ug/L		133	28 - 192	1	30
2-Butanone (MEK)	250	255		ug/L		102	69 - 114	3	30
Carbon disulfide	50.0	52.4		ug/L		105	70 - 130	2	30
Carbon tetrachloride	50.0	47.5		ug/L		95	70 - 130	1	30
Chlorobenzene	50.0	52.7		ug/L		105	70 - 130	1	30
Chloroethane	50.0	81.2		ug/L		162	31 - 213	0	30
Chloroform	50.0	46.6		ug/L		93	70 - 130	1	30
Chloromethane	50.0	57.0		ug/L		114	59 - 127	3	30
2-Chlorotoluene	50.0	50.0		ug/L		100	70 - 130	2	30
4-Chlorotoluene	50.0	50.2		ug/L		100	70 - 130	2	30
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	70 - 130	0	30
cis-1,3-Dichloropropene	50.0	50.3		ug/L		101	70 - 130	1	20
Dibromochloromethane	50.0	49.8		ug/L		100	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	47.5		ug/L		95	70 - 130	3	30
1,2-Dibromoethane	50.0	52.8		ug/L		106	70 - 130	1	30
Dibromomethane	50.0	46.7		ug/L		93	70 - 130	0	30
1,2-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 130	0	30
1,3-Dichlorobenzene	50.0	53.4		ug/L		107	70 - 130	2	30
1,4-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130	0	30
Dichlorodifluoromethane	50.0	65.6	+	ug/L		131	70 - 130	3	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCSD 680-668851/4

Matrix: Water

Analysis Batch: 668851

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 130	3	30
1,2-Dichloroethane	50.0	49.1		ug/L		98	70 - 130	0	50
1,1-Dichloroethene	50.0	48.1		ug/L		96	70 - 130	1	20
1,2-Dichloropropane	50.0	51.0		ug/L		102	70 - 130	0	20
1,3-Dichloropropane	50.0	51.8		ug/L		104	70 - 130	1	20
2,2-Dichloropropane	50.0	54.5		ug/L		109	70 - 130	3	20
1,1-Dichloropropene	50.0	48.0		ug/L		96	70 - 130	2	20
Ethylbenzene	50.0	50.3		ug/L		101	70 - 130	2	20
Hexachlorobutadiene	50.0	45.3		ug/L		91	70 - 130	3	20
2-Hexanone	250	232		ug/L		93	70 - 130	1	20
Iodomethane	50.0	45.0		ug/L		90	52 - 129	7	30
Isopropylbenzene	50.0	50.0		ug/L		100	70 - 130	1	30
Methylene Chloride	50.0	47.2		ug/L		94	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	250	238		ug/L		95	68 - 108	1	30
Methyl tert-butyl ether	50.0	50.1		ug/L		100	70 - 130	0	30
m-Xylene & p-Xylene	50.0	50.1		ug/L		100	70 - 130	2	30
Naphthalene	50.0	47.9		ug/L		96	57 - 149	3	30
n-Butylbenzene	50.0	49.4		ug/L		99	70 - 130	1	30
N-Propylbenzene	50.0	51.2		ug/L		102	70 - 130	2	30
o-Xylene	50.0	48.8		ug/L		98	70 - 130	1	30
p-Isopropyltoluene	50.0	48.6		ug/L		97	70 - 130	1	30
sec-Butylbenzene	50.0	51.0		ug/L		102	70 - 130	3	30
Styrene	50.0	52.4		ug/L		105	70 - 130	2	30
tert-Butylbenzene	50.0	50.1		ug/L		100	70 - 130	2	30
1,1,1,2-Tetrachloroethane	50.0	50.7		ug/L		101	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	51.5		ug/L		103	70 - 130	1	30
Tetrachloroethylene	50.0	48.4		ug/L		97	70 - 130	2	30
Toluene	50.0	54.0		ug/L		108	70 - 130	3	30
trans-1,4-Dichloro-2-butene	50.0	51.3		ug/L		103	67 - 112	2	30
trans-1,2-Dichloroethene	50.0	48.9		ug/L		98	70 - 130	3	30
trans-1,3-Dichloropropene	50.0	50.6		ug/L		101	70 - 130	0	30
1,2,3-Trichlorobenzene	50.0	44.5		ug/L		89	61 - 141	7	30
1,2,4-Trichlorobenzene	50.0	45.1		ug/L		90	70 - 130	2	30
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	70 - 130	1	30
1,1,2-Trichloroethane	50.0	48.6		ug/L		97	70 - 130	1	30
Trichloroethene	50.0	45.6		ug/L		91	70 - 130	1	30
Trichlorofluoromethane	50.0	63.5		ug/L		127	63 - 142	9	30
1,2,3-Trichloropropane	50.0	51.2		ug/L		102	70 - 130	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.9		ug/L		96	63 - 141	2	30
1,2,4-Trimethylbenzene	50.0	49.5		ug/L		99	70 - 130	1	30
1,3,5-Trimethylbenzene	50.0	49.9		ug/L		100	70 - 130	2	30
Vinyl acetate	100	138	*+	ug/L		138	67 - 135	0	30
Vinyl chloride	50.0	50.0		ug/L		100	66 - 129	2	30
Xylenes, Total	100	98.9		ug/L		99	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCSD 680-668851/4

Matrix: Water

Analysis Batch: 668851

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		60 - 124
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: 680-198824-3 MS

Matrix: Water

Analysis Batch: 668851

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	7.0	U	250	251		ug/L		100	67 - 113
Acrylonitrile	10	U	500	503		ug/L		101	70 - 130
Benzene	0.43	U	50.0	52.8		ug/L		106	70 - 130
Bromobenzene	0.50	U	50.0	53.7		ug/L		107	70 - 130
Bromochloromethane	0.45	U	50.0	47.0		ug/L		94	70 - 130
Bromodichloromethane	0.44	U	50.0	50.5		ug/L		101	70 - 130
Bromoform	0.43	U	50.0	49.3		ug/L		99	69 - 129
Bromomethane	2.5	U	50.0	58.5		ug/L		117	28 - 192
2-Butanone (MEK)	3.4	U	250	270		ug/L		108	69 - 114
Carbon disulfide	1.0	U	50.0	52.3		ug/L		105	70 - 130
Carbon tetrachloride	0.33	U	50.0	48.8		ug/L		98	70 - 130
Chlorobenzene	0.26	U	50.0	53.0		ug/L		106	70 - 130
Chloroethane	2.5	U	50.0	82.1		ug/L		164	31 - 213
Chloroform	0.50	U	50.0	47.1		ug/L		94	70 - 130
Chloromethane	0.40	U	50.0	45.0		ug/L		90	59 - 127
2-Chlorotoluene	0.27	U	50.0	49.5		ug/L		99	70 - 130
4-Chlorotoluene	0.45	U	50.0	49.5		ug/L		99	70 - 130
cis-1,2-Dichloroethene	8.3		50.0	54.2		ug/L		92	70 - 130
cis-1,3-Dichloropropene	0.40	U	50.0	46.9		ug/L		94	70 - 130
Dibromochloromethane	0.32	U	50.0	46.8		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	49.5		ug/L		99	70 - 130
1,2-Dibromoethane	0.44	U	50.0	50.6		ug/L		101	70 - 130
Dibromomethane	0.35	U	50.0	45.8		ug/L		92	70 - 130
1,2-Dichlorobenzene	0.37	U	50.0	50.4		ug/L		101	70 - 130
1,3-Dichlorobenzene	0.43	U	50.0	52.3		ug/L		105	70 - 130
1,4-Dichlorobenzene	0.46	U	50.0	50.5		ug/L		101	70 - 130
Dichlorodifluoromethane	0.60	U F1 **	50.0	66.0	F1	ug/L		132	70 - 130
1,1-Dichloroethane	0.38	U	50.0	48.0		ug/L		96	70 - 130
1,2-Dichloroethane	0.50	U	50.0	47.8		ug/L		96	70 - 130
1,1-Dichloroethene	0.36	U	50.0	50.0		ug/L		100	70 - 130
1,2-Dichloropropane	0.67	U	50.0	49.1		ug/L		98	70 - 130
1,3-Dichloropropane	0.34	U	50.0	49.0		ug/L		98	70 - 130
2,2-Dichloropropane	0.37	U	50.0	47.8		ug/L		96	70 - 130
1,1-Dichloropropene	0.34	U	50.0	48.8		ug/L		98	70 - 130
Ethylbenzene	0.33	U	50.0	51.4		ug/L		103	70 - 130
Hexachlorobutadiene	2.5	U	50.0	43.7		ug/L		87	70 - 130
2-Hexanone	2.0	U	250	232		ug/L		93	70 - 130
Iodomethane	5.0	U	50.0	36.4		ug/L		73	52 - 129
Isopropylbenzene	0.35	U	50.0	51.1		ug/L		102	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: 680-198824-3 MS

Matrix: Water

Analysis Batch: 668851

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
Methylene Chloride	2.5	U	50.0	46.5		ug/L		93	70 - 130
4-Methyl-2-pentanone (MIBK)	2.1	U	250	235		ug/L		94	68 - 108
Methyl tert-butyl ether	0.30	U	50.0	48.2		ug/L		96	70 - 130
m-Xylene & p-Xylene	0.35	U	50.0	50.3		ug/L		101	70 - 130
Naphthalene	2.5	U	50.0	49.2		ug/L		98	57 - 149
n-Butylbenzene	0.47	U	50.0	49.1		ug/L		98	70 - 130
N-Propylbenzene	0.38	U	50.0	52.0		ug/L		104	70 - 130
o-Xylene	0.23	U	50.0	49.4		ug/L		99	70 - 130
p-Isopropyltoluene	0.48	U	50.0	48.4		ug/L		97	70 - 130
sec-Butylbenzene	0.42	U	50.0	50.8		ug/L		102	70 - 130
Styrene	0.27	U	50.0	51.9		ug/L		104	70 - 130
tert-Butylbenzene	0.45	U	50.0	49.6		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	0.37	U	50.0	50.1		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	130		50.0	178		ug/L		101	70 - 130
Tetrachloroethylene	1.2		50.0	48.5		ug/L		95	70 - 130
Toluene	0.48	U	50.0	53.2		ug/L		106	70 - 130
trans-1,4-Dichloro-2-butene	0.51	U	50.0	47.5		ug/L		95	67 - 112
trans-1,2-Dichloroethene	4.5		50.0	52.8		ug/L		96	70 - 130
trans-1,3-Dichloropropene	0.42	U	50.0	47.6		ug/L		95	70 - 130
1,2,3-Trichlorobenzene	2.5	U	50.0	45.8		ug/L		92	61 - 141
1,2,4-Trichlorobenzene	2.5	U	50.0	45.2		ug/L		90	70 - 130
1,1,1-Trichloroethane	0.37	U	50.0	49.1		ug/L		98	70 - 130
1,1,2-Trichloroethane	2.0		50.0	48.3		ug/L		93	70 - 130
Trichloroethene	63		50.0	107		ug/L		87	70 - 130
Trichlorofluoromethane	0.42	U	50.0	60.3		ug/L		121	63 - 142
1,2,3-Trichloropropane	0.39	U	50.0	51.9		ug/L		104	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	48.3		ug/L		97	63 - 141
1,2,4-Trimethylbenzene	0.47	U	50.0	49.5		ug/L		99	70 - 130
1,3,5-Trimethylbenzene	0.31	U	50.0	50.1		ug/L		100	70 - 130
Vinyl acetate	0.81	U *	100	128		ug/L		128	67 - 135
Vinyl chloride	0.50	U	50.0	49.1		ug/L		98	66 - 129
Xylenes, Total	0.23	U	100	99.7		ug/L		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
1,2-Dichloroethane-d4 (Surr)	92		60 - 124
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: 680-198824-3 MSD

Matrix: Water

Analysis Batch: 668851

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	7.0	U	250	260		ug/L		104	67 - 113	3	30
Acrylonitrile	10	U	500	503		ug/L		101	70 - 130	0	30
Benzene	0.43	U	50.0	53.2		ug/L		106	70 - 130	1	30
Bromobenzene	0.50	U	50.0	54.1		ug/L		108	70 - 130	1	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: 680-198824-3 MSD

Matrix: Water

Analysis Batch: 668851

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
Bromochloromethane	0.45	U	50.0	46.0		ug/L		92	70 - 130	2	30
Bromodichloromethane	0.44	U	50.0	50.0		ug/L		100	70 - 130	1	30
Bromoform	0.43	U	50.0	49.6		ug/L		99	69 - 129	0	30
Bromomethane	2.5	U	50.0	65.4		ug/L		131	28 - 192	11	30
2-Butanone (MEK)	3.4	U	250	264		ug/L		106	69 - 114	2	30
Carbon disulfide	1.0	U	50.0	52.9		ug/L		106	70 - 130	1	30
Carbon tetrachloride	0.33	U	50.0	49.1		ug/L		98	70 - 130	1	30
Chlorobenzene	0.26	U	50.0	52.9		ug/L		106	70 - 130	0	30
Chloroethane	2.5	U	50.0	84.6		ug/L		169	31 - 213	3	30
Chloroform	0.50	U	50.0	46.8		ug/L		94	70 - 130	1	30
Chloromethane	0.40	U	50.0	44.5		ug/L		89	59 - 127	1	30
2-Chlorotoluene	0.27	U	50.0	49.8		ug/L		100	70 - 130	1	30
4-Chlorotoluene	0.45	U	50.0	50.4		ug/L		101	70 - 130	2	30
cis-1,2-Dichloroethene	8.3		50.0	53.6		ug/L		91	70 - 130	1	30
cis-1,3-Dichloropropene	0.40	U	50.0	47.2		ug/L		94	70 - 130	1	20
Dibromochloromethane	0.32	U	50.0	47.7		ug/L		95	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	51.3		ug/L		103	70 - 130	3	30
1,2-Dibromoethane	0.44	U	50.0	51.4		ug/L		103	70 - 130	1	30
Dibromomethane	0.35	U	50.0	45.2		ug/L		90	70 - 130	1	30
1,2-Dichlorobenzene	0.37	U	50.0	51.2		ug/L		102	70 - 130	2	30
1,3-Dichlorobenzene	0.43	U	50.0	53.4		ug/L		107	70 - 130	2	30
1,4-Dichlorobenzene	0.46	U	50.0	51.2		ug/L		102	70 - 130	1	30
Dichlorodifluoromethane	0.60	U F1 **	50.0	66.5	F1	ug/L		133	70 - 130	1	40
1,1-Dichloroethane	0.38	U	50.0	47.8		ug/L		96	70 - 130	0	30
1,2-Dichloroethane	0.50	U	50.0	47.4		ug/L		95	70 - 130	1	50
1,1-Dichloroethene	0.36	U	50.0	49.5		ug/L		99	70 - 130	1	20
1,2-Dichloropropane	0.67	U	50.0	49.8		ug/L		100	70 - 130	1	20
1,3-Dichloropropane	0.34	U	50.0	50.0		ug/L		100	70 - 130	2	20
2,2-Dichloropropane	0.37	U	50.0	47.7		ug/L		95	70 - 130	0	20
1,1-Dichloropropene	0.34	U	50.0	48.8		ug/L		98	70 - 130	0	20
Ethylbenzene	0.33	U	50.0	51.0		ug/L		102	70 - 130	1	20
Hexachlorobutadiene	2.5	U	50.0	45.0		ug/L		90	70 - 130	3	20
2-Hexanone	2.0	U	250	232		ug/L		93	70 - 130	0	20
Iodomethane	5.0	U	50.0	40.6		ug/L		81	52 - 129	11	30
Isopropylbenzene	0.35	U	50.0	50.9		ug/L		102	70 - 130	0	30
Methylene Chloride	2.5	U	50.0	46.6		ug/L		93	70 - 130	0	30
4-Methyl-2-pentanone (MIBK)	2.1	U	250	235		ug/L		94	68 - 108	0	30
Methyl tert-butyl ether	0.30	U	50.0	49.1		ug/L		98	70 - 130	2	30
m-Xylene & p-Xylene	0.35	U	50.0	50.6		ug/L		101	70 - 130	1	30
Naphthalene	2.5	U	50.0	51.8		ug/L		104	57 - 149	5	30
n-Butylbenzene	0.47	U	50.0	49.6		ug/L		99	70 - 130	1	30
N-Propylbenzene	0.38	U	50.0	52.1		ug/L		104	70 - 130	0	30
o-Xylene	0.23	U	50.0	49.2		ug/L		98	70 - 130	0	30
p-Isopropyltoluene	0.48	U	50.0	49.3		ug/L		99	70 - 130	2	30
sec-Butylbenzene	0.42	U	50.0	51.8		ug/L		104	70 - 130	2	30
Styrene	0.27	U	50.0	52.2		ug/L		104	70 - 130	1	30
tert-Butylbenzene	0.45	U	50.0	50.8		ug/L		102	70 - 130	2	30
1,1,1,2-Tetrachloroethane	0.37	U	50.0	49.8		ug/L		100	70 - 130	1	30
1,1,2,2-Tetrachloroethane	130		50.0	176		ug/L		97	70 - 130	1	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: 680-198824-3 MSD

Matrix: Water

Analysis Batch: 668851

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
Tetrachloroethylene	1.2		50.0	48.5		ug/L		95	70 - 130	0	30
Toluene	0.48	U	50.0	53.5		ug/L		107	70 - 130	0	30
trans-1,4-Dichloro-2-butene	0.51	U	50.0	50.0		ug/L		100	67 - 112	5	30
trans-1,2-Dichloroethene	4.5		50.0	54.3		ug/L		100	70 - 130	3	30
trans-1,3-Dichloropropene	0.42	U	50.0	48.0		ug/L		96	70 - 130	1	30
1,2,3-Trichlorobenzene	2.5	U	50.0	48.5		ug/L		97	61 - 141	6	30
1,2,4-Trichlorobenzene	2.5	U	50.0	46.5		ug/L		93	70 - 130	3	30
1,1,1-Trichloroethane	0.37	U	50.0	48.8		ug/L		98	70 - 130	1	30
1,1,2-Trichloroethane	2.0		50.0	48.2		ug/L		92	70 - 130	0	30
Trichloroethene	63		50.0	106		ug/L		86	70 - 130	0	30
Trichlorofluoromethane	0.42	U	50.0	61.0		ug/L		122	63 - 142	1	30
1,2,3-Trichloropropane	0.39	U	50.0	53.9		ug/L		108	70 - 130	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	47.3		ug/L		95	63 - 141	2	30
1,2,4-Trimethylbenzene	0.47	U	50.0	49.7		ug/L		99	70 - 130	0	30
1,3,5-Trimethylbenzene	0.31	U	50.0	50.4		ug/L		101	70 - 130	1	30
Vinyl acetate	0.81	U *	100	129		ug/L		129	67 - 135	1	30
Vinyl chloride	0.50	U	50.0	49.9		ug/L		100	66 - 129	2	30
Xylenes, Total	0.23	U	100	99.8		ug/L		100	70 - 130	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
Dibromofluoromethane (Surr)	95		70 - 130
1,2-Dichloroethane-d4 (Surr)	88		60 - 124
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MB 680-668857/8

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/17/21 13:33	1
Acrylonitrile	10	U	20	10	ug/L			05/17/21 13:33	1
Benzene	0.43	U	1.0	0.43	ug/L			05/17/21 13:33	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/17/21 13:33	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/17/21 13:33	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/17/21 13:33	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/17/21 13:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/17/21 13:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/17/21 13:33	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/17/21 13:33	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/17/21 13:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/17/21 13:33	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/17/21 13:33	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/17/21 13:33	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/17/21 13:33	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/17/21 13:33	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: MB 680-668857/8

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/17/21 13:33	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/17/21 13:33	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/17/21 13:33	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/17/21 13:33	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/17/21 13:33	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/17/21 13:33	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/17/21 13:33	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/17/21 13:33	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/17/21 13:33	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/17/21 13:33	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/17/21 13:33	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/17/21 13:33	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/17/21 13:33	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/17/21 13:33	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/17/21 13:33	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/17/21 13:33	1
Iodomethane	5.0	U	10	5.0	ug/L			05/17/21 13:33	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/17/21 13:33	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/17/21 13:33	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/17/21 13:33	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/17/21 13:33	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 13:33	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/17/21 13:33	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/17/21 13:33	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/17/21 13:33	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/17/21 13:33	1
Styrene	0.27	U	1.0	0.27	ug/L			05/17/21 13:33	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/17/21 13:33	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/17/21 13:33	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/17/21 13:33	1
Toluene	0.48	U	1.0	0.48	ug/L			05/17/21 13:33	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/17/21 13:33	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/17/21 13:33	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/17/21 13:33	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/17/21 13:33	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/17/21 13:33	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/17/21 13:33	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/17/21 13:33	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/17/21 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/17/21 13:33	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/17/21 13:33	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: MB 680-668857/8

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/17/21 13:33	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/17/21 13:33	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/17/21 13:33	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/17/21 13:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130		05/17/21 13:33	1
Dibromofluoromethane (Surr)	108		70 - 130		05/17/21 13:33	1
1,2-Dichloroethane-d4 (Surr)	100		60 - 124		05/17/21 13:33	1
Toluene-d8 (Surr)	96		70 - 130		05/17/21 13:33	1

Lab Sample ID: LCS 680-668857/4

Matrix: Water

Analysis Batch: 668857

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	278		ug/L		111	67 - 113
Acrylonitrile	500	492		ug/L		98	70 - 130
Benzene	50.0	52.3		ug/L		105	70 - 130
Bromobenzene	50.0	54.8		ug/L		110	70 - 130
Bromochloromethane	50.0	53.6		ug/L		107	70 - 130
Bromodichloromethane	50.0	50.2		ug/L		100	70 - 130
Bromoform	50.0	53.7		ug/L		107	69 - 129
Bromomethane	50.0	54.6		ug/L		109	28 - 192
2-Butanone (MEK)	250	249		ug/L		99	69 - 114
Carbon disulfide	50.0	59.8		ug/L		120	70 - 130
Carbon tetrachloride	50.0	51.0		ug/L		102	70 - 130
Chlorobenzene	50.0	52.2		ug/L		104	70 - 130
Chloroethane	50.0	59.3		ug/L		119	31 - 213
Chloroform	50.0	51.4		ug/L		103	70 - 130
Chloromethane	50.0	68.1	*+	ug/L		136	59 - 127
2-Chlorotoluene	50.0	53.5		ug/L		107	70 - 130
4-Chlorotoluene	50.0	53.2		ug/L		106	70 - 130
cis-1,2-Dichloroethene	50.0	53.8		ug/L		108	70 - 130
cis-1,3-Dichloropropene	50.0	53.3		ug/L		107	70 - 130
Dibromochloromethane	50.0	53.4		ug/L		107	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	43.1		ug/L		86	70 - 130
1,2-Dibromoethane	50.0	52.7		ug/L		105	70 - 130
Dibromomethane	50.0	49.7		ug/L		99	70 - 130
1,2-Dichlorobenzene	50.0	50.8		ug/L		102	70 - 130
1,3-Dichlorobenzene	50.0	53.1		ug/L		106	70 - 130
1,4-Dichlorobenzene	50.0	53.7		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	59.8		ug/L		120	70 - 130
1,1-Dichloroethane	50.0	54.4		ug/L		109	70 - 130
1,2-Dichloroethane	50.0	49.0		ug/L		98	70 - 130
1,1-Dichloroethene	50.0	55.4		ug/L		111	70 - 130
1,2-Dichloropropane	50.0	53.2		ug/L		106	70 - 130
1,3-Dichloropropane	50.0	52.9		ug/L		106	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCS 680-668857/4

Matrix: Water

Analysis Batch: 668857

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2-Dichloropropane	50.0	55.0		ug/L		110	70 - 130
1,1-Dichloropropene	50.0	53.0		ug/L		106	70 - 130
Ethylbenzene	50.0	51.6		ug/L		103	70 - 130
Hexachlorobutadiene	50.0	45.9		ug/L		92	70 - 130
2-Hexanone	250	271		ug/L		108	70 - 130
Iodomethane	50.0	53.1		ug/L		106	52 - 129
Isopropylbenzene	50.0	52.8		ug/L		106	70 - 130
Methylene Chloride	50.0	54.0		ug/L		108	70 - 130
4-Methyl-2-pentanone (MIBK)	250	238		ug/L		95	68 - 108
Methyl tert-butyl ether	50.0	51.7		ug/L		103	70 - 130
m-Xylene & p-Xylene	50.0	52.7		ug/L		105	70 - 130
Naphthalene	50.0	33.6		ug/L		67	57 - 149
n-Butylbenzene	50.0	51.9		ug/L		104	70 - 130
N-Propylbenzene	50.0	52.7		ug/L		105	70 - 130
o-Xylene	50.0	53.2		ug/L		106	70 - 130
p-Isopropyltoluene	50.0	52.6		ug/L		105	70 - 130
sec-Butylbenzene	50.0	53.5		ug/L		107	70 - 130
Styrene	50.0	55.2		ug/L		110	70 - 130
tert-Butylbenzene	50.0	54.5		ug/L		109	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.5		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/L		101	70 - 130
Tetrachloroethylene	50.0	52.9		ug/L		106	70 - 130
Toluene	50.0	53.3		ug/L		107	70 - 130
trans-1,4-Dichloro-2-butene	50.0	48.6		ug/L		97	67 - 112
trans-1,2-Dichloroethene	50.0	54.8		ug/L		110	70 - 130
trans-1,3-Dichloropropene	50.0	52.4		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	50.0	32.1		ug/L		64	61 - 141
1,2,4-Trichlorobenzene	50.0	38.5		ug/L		77	70 - 130
1,1,1-Trichloroethane	50.0	48.0		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	51.9		ug/L		104	70 - 130
Trichloroethene	50.0	53.8		ug/L		108	70 - 130
Trichlorofluoromethane	50.0	58.7		ug/L		117	63 - 142
1,2,3-Trichloropropane	50.0	49.5		ug/L		99	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.7		ug/L		105	63 - 141
1,2,4-Trimethylbenzene	50.0	52.7		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	50.0	52.1		ug/L		104	70 - 130
Vinyl acetate	100	112		ug/L		112	67 - 135
Vinyl chloride	50.0	55.4		ug/L		111	66 - 129
Xylenes, Total	100	106		ug/L		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	93		60 - 124
Toluene-d8 (Surr)	99		70 - 130

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: MB 680-668992/8

Matrix: Water

Analysis Batch: 668992

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/18/21 13:07	1
Acrylonitrile	10	U	20	10	ug/L			05/18/21 13:07	1
Benzene	0.43	U	1.0	0.43	ug/L			05/18/21 13:07	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/18/21 13:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/18/21 13:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/18/21 13:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/18/21 13:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/21 13:07	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/18/21 13:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/21 13:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/18/21 13:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/18/21 13:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/21 13:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/18/21 13:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/18/21 13:07	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/18/21 13:07	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/18/21 13:07	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/18/21 13:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/18/21 13:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/18/21 13:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/18/21 13:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/18/21 13:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/18/21 13:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/18/21 13:07	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/18/21 13:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/18/21 13:07	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/18/21 13:07	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/18/21 13:07	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/18/21 13:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/18/21 13:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/18/21 13:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/18/21 13:07	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/18/21 13:07	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/18/21 13:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/18/21 13:07	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/18/21 13:07	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/18/21 13:07	1
Iodomethane	5.0	U	10	5.0	ug/L			05/18/21 13:07	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/18/21 13:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/18/21 13:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/18/21 13:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/18/21 13:07	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/18/21 13:07	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/18/21 13:07	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/18/21 13:07	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/18/21 13:07	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/18/21 13:07	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/18/21 13:07	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: MB 680-668992/8

Matrix: Water

Analysis Batch: 668992

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/18/21 13:07	1
Styrene	0.27	U	1.0	0.27	ug/L			05/18/21 13:07	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/18/21 13:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/18/21 13:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/18/21 13:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/18/21 13:07	1
Toluene	0.48	U	1.0	0.48	ug/L			05/18/21 13:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/18/21 13:07	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/18/21 13:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/18/21 13:07	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/18/21 13:07	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/18/21 13:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/18/21 13:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/18/21 13:07	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/18/21 13:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/18/21 13:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/18/21 13:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/18/21 13:07	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/18/21 13:07	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/18/21 13:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/18/21 13:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/21 13:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/18/21 13:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130		05/18/21 13:07	1
Dibromofluoromethane (Surr)	94		70 - 130		05/18/21 13:07	1
1,2-Dichloroethane-d4 (Surr)	90		60 - 124		05/18/21 13:07	1
Toluene-d8 (Surr)	95		70 - 130		05/18/21 13:07	1

Lab Sample ID: LCS 680-668992/3

Matrix: Water

Analysis Batch: 668992

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	270		ug/L		108	67 - 113
Acrylonitrile	500	532		ug/L		106	70 - 130
Benzene	50.0	52.4		ug/L		105	70 - 130
Bromobenzene	50.0	53.5		ug/L		107	70 - 130
Bromochloromethane	50.0	48.5		ug/L		97	70 - 130
Bromodichloromethane	50.0	51.7		ug/L		103	70 - 130
Bromoform	50.0	50.0		ug/L		100	69 - 129
Bromomethane	50.0	63.2		ug/L		126	28 - 192
2-Butanone (MEK)	250	267		ug/L		107	69 - 114
Carbon disulfide	50.0	51.5		ug/L		103	70 - 130
Carbon tetrachloride	50.0	47.7		ug/L		95	70 - 130
Chlorobenzene	50.0	52.1		ug/L		104	70 - 130
Chloroethane	50.0	82.0		ug/L		164	31 - 213

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCS 680-668992/3

Matrix: Water

Analysis Batch: 668992

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	50.0	47.3		ug/L		95	70 - 130
Chloromethane	50.0	54.5		ug/L		109	59 - 127
2-Chlorotoluene	50.0	49.2		ug/L		98	70 - 130
4-Chlorotoluene	50.0	49.4		ug/L		99	70 - 130
cis-1,2-Dichloroethene	50.0	46.9		ug/L		94	70 - 130
cis-1,3-Dichloropropene	50.0	50.6		ug/L		101	70 - 130
Dibromochloromethane	50.0	49.3		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	46.8		ug/L		94	70 - 130
1,2-Dibromoethane	50.0	54.2		ug/L		108	70 - 130
Dibromomethane	50.0	48.4		ug/L		97	70 - 130
1,2-Dichlorobenzene	50.0	50.0		ug/L		100	70 - 130
1,3-Dichlorobenzene	50.0	51.7		ug/L		103	70 - 130
1,4-Dichlorobenzene	50.0	49.5		ug/L		99	70 - 130
Dichlorodifluoromethane	50.0	65.1		ug/L		130	70 - 130
1,1-Dichloroethane	50.0	47.8		ug/L		96	70 - 130
1,2-Dichloroethane	50.0	49.9		ug/L		100	70 - 130
1,1-Dichloroethene	50.0	48.3		ug/L		97	70 - 130
1,2-Dichloropropane	50.0	51.6		ug/L		103	70 - 130
1,3-Dichloropropane	50.0	52.4		ug/L		105	70 - 130
2,2-Dichloropropane	50.0	53.6		ug/L		107	70 - 130
1,1-Dichloropropene	50.0	47.1		ug/L		94	70 - 130
Ethylbenzene	50.0	49.6		ug/L		99	70 - 130
Hexachlorobutadiene	50.0	43.8		ug/L		88	70 - 130
2-Hexanone	250	237		ug/L		95	70 - 130
Iodomethane	50.0	41.1		ug/L		82	52 - 129
Isopropylbenzene	50.0	49.5		ug/L		99	70 - 130
Methylene Chloride	50.0	48.2		ug/L		96	70 - 130
4-Methyl-2-pentanone (MIBK)	250	244		ug/L		98	68 - 108
Methyl tert-butyl ether	50.0	52.0		ug/L		104	70 - 130
m-Xylene & p-Xylene	50.0	49.1		ug/L		98	70 - 130
Naphthalene	50.0	47.2		ug/L		94	57 - 149
n-Butylbenzene	50.0	47.6		ug/L		95	70 - 130
N-Propylbenzene	50.0	50.2		ug/L		100	70 - 130
o-Xylene	50.0	48.6		ug/L		97	70 - 130
p-Isopropyltoluene	50.0	47.1		ug/L		94	70 - 130
sec-Butylbenzene	50.0	50.1		ug/L		100	70 - 130
Styrene	50.0	52.2		ug/L		104	70 - 130
tert-Butylbenzene	50.0	49.3		ug/L		99	70 - 130
1,1,1,2-Tetrachloroethane	50.0	50.0		ug/L		100	70 - 130
1,1,2,2-Tetrachloroethane	50.0	52.0		ug/L		104	70 - 130
Tetrachloroethylene	50.0	48.0		ug/L		96	70 - 130
Toluene	50.0	53.3		ug/L		107	70 - 130
trans-1,4-Dichloro-2-butene	50.0	48.9		ug/L		98	67 - 112
trans-1,2-Dichloroethene	50.0	47.6		ug/L		95	70 - 130
trans-1,3-Dichloropropene	50.0	50.8		ug/L		102	70 - 130
1,2,3-Trichlorobenzene	50.0	43.2		ug/L		86	61 - 141
1,2,4-Trichlorobenzene	50.0	44.6		ug/L		89	70 - 130
1,1,1-Trichloroethane	50.0	47.6		ug/L		95	70 - 130
1,1,2-Trichloroethane	50.0	48.8		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: 680-198824-1

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

Lab Sample ID: LCS 680-668992/3

Matrix: Water

Analysis Batch: 668992

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	46.4		ug/L		93	70 - 130
Trichlorofluoromethane	50.0	60.2		ug/L		120	63 - 142
1,2,3-Trichloropropane	50.0	52.6		ug/L		105	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.6		ug/L		95	63 - 141
1,2,4-Trimethylbenzene	50.0	49.2		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	50.0	48.9		ug/L		98	70 - 130
Vinyl acetate	100	140	+	ug/L		140	67 - 135
Vinyl chloride	50.0	49.1		ug/L		98	66 - 129
Xylenes, Total	100	97.7		ug/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Toluene-d8 (Surr)	100		70 - 130

Lab Sample ID: LCSD 680-668992/4

Matrix: Water

Analysis Batch: 668992

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 - 113	5	30
Acrylonitrile	500	511		ug/L		102	70 - 130	4	30
Benzene	50.0	51.9		ug/L		104	70 - 130	1	30
Bromobenzene	50.0	53.3		ug/L		107	70 - 130	0	30
Bromochloromethane	50.0	48.6		ug/L		97	70 - 130	0	30
Bromodichloromethane	50.0	51.3		ug/L		103	70 - 130	1	30
Bromoform	50.0	50.0		ug/L		100	69 - 129	0	30
Bromomethane	50.0	64.2		ug/L		128	28 - 192	2	30
2-Butanone (MEK)	250	265		ug/L		106	69 - 114	1	30
Carbon disulfide	50.0	51.0		ug/L		102	70 - 130	1	30
Carbon tetrachloride	50.0	46.9		ug/L		94	70 - 130	2	30
Chlorobenzene	50.0	51.9		ug/L		104	70 - 130	0	30
Chloroethane	50.0	79.5		ug/L		159	31 - 213	3	30
Chloroform	50.0	47.2		ug/L		94	70 - 130	0	30
Chloromethane	50.0	58.4		ug/L		117	59 - 127	7	30
2-Chlorotoluene	50.0	49.0		ug/L		98	70 - 130	1	30
4-Chlorotoluene	50.0	48.9		ug/L		98	70 - 130	1	30
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	70 - 130	1	30
cis-1,3-Dichloropropene	50.0	50.2		ug/L		100	70 - 130	1	20
Dibromochloromethane	50.0	49.1		ug/L		98	70 - 130	0	30
1,2-Dibromo-3-Chloropropane	50.0	46.2		ug/L		92	70 - 130	1	30
1,2-Dibromoethane	50.0	53.7		ug/L		107	70 - 130	1	30
Dibromomethane	50.0	46.4		ug/L		93	70 - 130	4	30
1,2-Dichlorobenzene	50.0	50.6		ug/L		101	70 - 130	1	30
1,3-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 130	0	30
1,4-Dichlorobenzene	50.0	50.4		ug/L		101	70 - 130	2	30
Dichlorodifluoromethane	50.0	64.4		ug/L		129	70 - 130	1	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCSD 680-668992/4

Matrix: Water

Analysis Batch: 668992

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	50.0	48.5		ug/L		97	70 - 130	2	30
1,2-Dichloroethane	50.0	50.0		ug/L		100	70 - 130	0	50
1,1-Dichloroethene	50.0	47.8		ug/L		96	70 - 130	1	20
1,2-Dichloropropane	50.0	50.1		ug/L		100	70 - 130	3	20
1,3-Dichloropropane	50.0	51.3		ug/L		103	70 - 130	2	20
2,2-Dichloropropane	50.0	53.2		ug/L		106	70 - 130	1	20
1,1-Dichloropropene	50.0	47.0		ug/L		94	70 - 130	0	20
Ethylbenzene	50.0	49.9		ug/L		100	70 - 130	1	20
Hexachlorobutadiene	50.0	44.0		ug/L		88	70 - 130	0	20
2-Hexanone	250	235		ug/L		94	70 - 130	1	20
Iodomethane	50.0	40.6		ug/L		81	52 - 129	1	30
Isopropylbenzene	50.0	49.3		ug/L		99	70 - 130	0	30
Methylene Chloride	50.0	47.2		ug/L		94	70 - 130	2	30
4-Methyl-2-pentanone (MIBK)	250	239		ug/L		95	68 - 108	2	30
Methyl tert-butyl ether	50.0	51.3		ug/L		103	70 - 130	1	30
m-Xylene & p-Xylene	50.0	49.0		ug/L		98	70 - 130	0	30
Naphthalene	50.0	49.5		ug/L		99	57 - 149	5	30
n-Butylbenzene	50.0	47.9		ug/L		96	70 - 130	1	30
N-Propylbenzene	50.0	49.9		ug/L		100	70 - 130	1	30
o-Xylene	50.0	48.9		ug/L		98	70 - 130	0	30
p-Isopropyltoluene	50.0	47.2		ug/L		94	70 - 130	0	30
sec-Butylbenzene	50.0	49.6		ug/L		99	70 - 130	1	30
Styrene	50.0	52.5		ug/L		105	70 - 130	1	30
tert-Butylbenzene	50.0	48.8		ug/L		98	70 - 130	1	30
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	70 - 130	0	30
1,1,2,2-Tetrachloroethane	50.0	51.9		ug/L		104	70 - 130	0	30
Tetrachloroethylene	50.0	46.9		ug/L		94	70 - 130	2	30
Toluene	50.0	54.3		ug/L		109	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	48.6		ug/L		97	67 - 112	1	30
trans-1,2-Dichloroethene	50.0	48.6		ug/L		97	70 - 130	2	30
trans-1,3-Dichloropropene	50.0	50.4		ug/L		101	70 - 130	1	30
1,2,3-Trichlorobenzene	50.0	46.0		ug/L		92	61 - 141	6	30
1,2,4-Trichlorobenzene	50.0	46.5		ug/L		93	70 - 130	4	30
1,1,1-Trichloroethane	50.0	47.6		ug/L		95	70 - 130	0	30
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	70 - 130	0	30
Trichloroethene	50.0	45.8		ug/L		92	70 - 130	1	30
Trichlorofluoromethane	50.0	58.3		ug/L		117	63 - 142	3	30
1,2,3-Trichloropropane	50.0	52.3		ug/L		105	70 - 130	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.2		ug/L		94	63 - 141	1	30
1,2,4-Trimethylbenzene	50.0	49.2		ug/L		98	70 - 130	0	30
1,3,5-Trimethylbenzene	50.0	49.4		ug/L		99	70 - 130	1	30
Vinyl acetate	100	138	*+	ug/L		138	67 - 135	2	30
Vinyl chloride	50.0	48.9		ug/L		98	66 - 129	0	30
Xylenes, Total	100	97.9		ug/L		98	70 - 130	0	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCSD 680-668992/4

Matrix: Water

Analysis Batch: 668992

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	97		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MB 680-669004/8

Matrix: Water

Analysis Batch: 669004

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			05/18/21 12:51	1
Acrylonitrile	10	U	20	10	ug/L			05/18/21 12:51	1
Benzene	0.43	U	1.0	0.43	ug/L			05/18/21 12:51	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			05/18/21 12:51	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/18/21 12:51	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/18/21 12:51	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/18/21 12:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/18/21 12:51	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/18/21 12:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/18/21 12:51	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/18/21 12:51	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/18/21 12:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/18/21 12:51	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/18/21 12:51	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/18/21 12:51	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			05/18/21 12:51	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			05/18/21 12:51	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/18/21 12:51	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/18/21 12:51	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/18/21 12:51	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/18/21 12:51	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/18/21 12:51	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/18/21 12:51	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/18/21 12:51	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			05/18/21 12:51	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/18/21 12:51	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			05/18/21 12:51	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/18/21 12:51	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/18/21 12:51	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/18/21 12:51	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/18/21 12:51	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/18/21 12:51	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			05/18/21 12:51	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/18/21 12:51	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/18/21 12:51	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			05/18/21 12:51	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/18/21 12:51	1
Iodomethane	5.0	U	10	5.0	ug/L			05/18/21 12:51	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			05/18/21 12:51	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: MB 680-669004/8

Matrix: Water

Analysis Batch: 669004

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/18/21 12:51	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/18/21 12:51	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/18/21 12:51	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			05/18/21 12:51	1
Naphthalene	2.5	U	5.0	2.5	ug/L			05/18/21 12:51	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			05/18/21 12:51	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			05/18/21 12:51	1
o-Xylene	0.23	U	1.0	0.23	ug/L			05/18/21 12:51	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			05/18/21 12:51	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			05/18/21 12:51	1
Styrene	0.27	U	1.0	0.27	ug/L			05/18/21 12:51	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			05/18/21 12:51	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/18/21 12:51	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/18/21 12:51	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/18/21 12:51	1
Toluene	0.48	U	1.0	0.48	ug/L			05/18/21 12:51	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/18/21 12:51	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/18/21 12:51	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/18/21 12:51	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/18/21 12:51	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			05/18/21 12:51	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/18/21 12:51	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/18/21 12:51	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/18/21 12:51	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/18/21 12:51	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/18/21 12:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			05/18/21 12:51	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			05/18/21 12:51	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			05/18/21 12:51	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/18/21 12:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/18/21 12:51	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/18/21 12:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		05/18/21 12:51	1
Dibromofluoromethane (Surr)	108		70 - 130		05/18/21 12:51	1
1,2-Dichloroethane-d4 (Surr)	97		60 - 124		05/18/21 12:51	1
Toluene-d8 (Surr)	95		70 - 130		05/18/21 12:51	1

Lab Sample ID: LCS 680-669004/3

Matrix: Water

Analysis Batch: 669004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	296	*+	ug/L		118	67 - 113
Acrylonitrile	500	510		ug/L		102	70 - 130
Benzene	50.0	52.9		ug/L		106	70 - 130
Bromobenzene	50.0	53.9		ug/L		108	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCS 680-669004/3

Matrix: Water

Analysis Batch: 669004

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	53.9		ug/L		108	70 - 130
Bromodichloromethane	50.0	50.2		ug/L		100	70 - 130
Bromoform	50.0	51.1		ug/L		102	69 - 129
Bromomethane	50.0	56.3		ug/L		113	28 - 192
2-Butanone (MEK)	250	260		ug/L		104	69 - 114
Carbon disulfide	50.0	59.8		ug/L		120	70 - 130
Carbon tetrachloride	50.0	49.8		ug/L		100	70 - 130
Chlorobenzene	50.0	52.7		ug/L		105	70 - 130
Chloroethane	50.0	62.9		ug/L		126	31 - 213
Chloroform	50.0	51.4		ug/L		103	70 - 130
Chloromethane	50.0	67.6	*+	ug/L		135	59 - 127
2-Chlorotoluene	50.0	52.7		ug/L		105	70 - 130
4-Chlorotoluene	50.0	53.1		ug/L		106	70 - 130
cis-1,2-Dichloroethene	50.0	55.7		ug/L		111	70 - 130
cis-1,3-Dichloropropene	50.0	53.6		ug/L		107	70 - 130
Dibromochloromethane	50.0	53.2		ug/L		106	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	43.5		ug/L		87	70 - 130
1,2-Dibromoethane	50.0	53.2		ug/L		106	70 - 130
Dibromomethane	50.0	50.5		ug/L		101	70 - 130
1,2-Dichlorobenzene	50.0	50.7		ug/L		101	70 - 130
1,3-Dichlorobenzene	50.0	53.4		ug/L		107	70 - 130
1,4-Dichlorobenzene	50.0	53.5		ug/L		107	70 - 130
Dichlorodifluoromethane	50.0	55.4		ug/L		111	70 - 130
1,1-Dichloroethane	50.0	55.5		ug/L		111	70 - 130
1,2-Dichloroethane	50.0	49.3		ug/L		99	70 - 130
1,1-Dichloroethene	50.0	56.1		ug/L		112	70 - 130
1,2-Dichloropropane	50.0	54.6		ug/L		109	70 - 130
1,3-Dichloropropane	50.0	54.1		ug/L		108	70 - 130
2,2-Dichloropropane	50.0	54.2		ug/L		108	70 - 130
1,1-Dichloropropene	50.0	53.8		ug/L		108	70 - 130
Ethylbenzene	50.0	51.1		ug/L		102	70 - 130
Hexachlorobutadiene	50.0	44.9		ug/L		90	70 - 130
2-Hexanone	250	274		ug/L		110	70 - 130
Iodomethane	50.0	54.1		ug/L		108	52 - 129
Isopropylbenzene	50.0	52.7		ug/L		105	70 - 130
Methylene Chloride	50.0	55.5		ug/L		111	70 - 130
4-Methyl-2-pentanone (MIBK)	250	248		ug/L		99	68 - 108
Methyl tert-butyl ether	50.0	54.4		ug/L		109	70 - 130
m-Xylene & p-Xylene	50.0	51.8		ug/L		104	70 - 130
Naphthalene	50.0	35.3		ug/L		71	57 - 149
n-Butylbenzene	50.0	51.4		ug/L		103	70 - 130
N-Propylbenzene	50.0	52.1		ug/L		104	70 - 130
o-Xylene	50.0	53.5		ug/L		107	70 - 130
p-Isopropyltoluene	50.0	52.2		ug/L		104	70 - 130
sec-Butylbenzene	50.0	52.4		ug/L		105	70 - 130
Styrene	50.0	53.9		ug/L		108	70 - 130
tert-Butylbenzene	50.0	53.8		ug/L		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	48.8		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.7		ug/L		101	70 - 130

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCS 680-669004/3

Matrix: Water

Analysis Batch: 669004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethylene	50.0	52.3		ug/L		105	70 - 130
Toluene	50.0	54.3		ug/L		109	70 - 130
trans-1,4-Dichloro-2-butene	50.0	49.5		ug/L		99	67 - 112
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	70 - 130
trans-1,3-Dichloropropene	50.0	52.7		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	50.0	34.0		ug/L		68	61 - 141
1,2,4-Trichlorobenzene	50.0	39.4		ug/L		79	70 - 130
1,1,1-Trichloroethane	50.0	48.2		ug/L		96	70 - 130
1,1,2-Trichloroethane	50.0	53.1		ug/L		106	70 - 130
Trichloroethene	50.0	52.9		ug/L		106	70 - 130
Trichlorofluoromethane	50.0	55.1		ug/L		110	63 - 142
1,2,3-Trichloropropane	50.0	47.6		ug/L		95	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.2		ug/L		106	63 - 141
1,2,4-Trimethylbenzene	50.0	52.0		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	50.0	51.5		ug/L		103	70 - 130
Vinyl acetate	100	114		ug/L		114	67 - 135
Vinyl chloride	50.0	54.2		ug/L		108	66 - 129
Xylenes, Total	100	105		ug/L		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: LCSD 680-669004/4

Matrix: Water

Analysis Batch: 669004

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	296	*+	ug/L		118	67 - 113	0	30
Acrylonitrile	500	522		ug/L		104	70 - 130	2	30
Benzene	50.0	53.2		ug/L		106	70 - 130	1	30
Bromobenzene	50.0	53.8		ug/L		108	70 - 130	0	30
Bromochloromethane	50.0	52.8		ug/L		106	70 - 130	2	30
Bromodichloromethane	50.0	50.3		ug/L		101	70 - 130	0	30
Bromoform	50.0	50.6		ug/L		101	69 - 129	1	30
Bromomethane	50.0	62.6		ug/L		125	28 - 192	11	30
2-Butanone (MEK)	250	260		ug/L		104	69 - 114	0	30
Carbon disulfide	50.0	63.2		ug/L		126	70 - 130	6	30
Carbon tetrachloride	50.0	50.4		ug/L		101	70 - 130	1	30
Chlorobenzene	50.0	52.5		ug/L		105	70 - 130	0	30
Chloroethane	50.0	68.5		ug/L		137	31 - 213	8	30
Chloroform	50.0	50.6		ug/L		101	70 - 130	2	30
Chloromethane	50.0	75.0	*+	ug/L		150	59 - 127	10	30
2-Chlorotoluene	50.0	54.2		ug/L		108	70 - 130	3	30
4-Chlorotoluene	50.0	53.3		ug/L		107	70 - 130	0	30
cis-1,2-Dichloroethene	50.0	54.4		ug/L		109	70 - 130	2	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCSD 680-669004/4

Matrix: Water

Analysis Batch: 669004

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
cis-1,3-Dichloropropene	50.0	53.6		ug/L		107	70 - 130	0	20
Dibromochloromethane	50.0	54.3		ug/L		109	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	41.8		ug/L		84	70 - 130	4	30
1,2-Dibromoethane	50.0	54.1		ug/L		108	70 - 130	2	30
Dibromomethane	50.0	50.3		ug/L		101	70 - 130	0	30
1,2-Dichlorobenzene	50.0	49.3		ug/L		99	70 - 130	3	30
1,3-Dichlorobenzene	50.0	52.8		ug/L		106	70 - 130	1	30
1,4-Dichlorobenzene	50.0	52.5		ug/L		105	70 - 130	2	30
Dichlorodifluoromethane	50.0	62.9		ug/L		126	70 - 130	13	40
1,1-Dichloroethane	50.0	54.0		ug/L		108	70 - 130	3	30
1,2-Dichloroethane	50.0	47.2		ug/L		94	70 - 130	4	50
1,1-Dichloroethene	50.0	59.1		ug/L		118	70 - 130	5	20
1,2-Dichloropropane	50.0	54.9		ug/L		110	70 - 130	1	20
1,3-Dichloropropane	50.0	54.5		ug/L		109	70 - 130	1	20
2,2-Dichloropropane	50.0	53.5		ug/L		107	70 - 130	1	20
1,1-Dichloropropene	50.0	52.0		ug/L		104	70 - 130	3	20
Ethylbenzene	50.0	51.7		ug/L		103	70 - 130	1	20
Hexachlorobutadiene	50.0	43.1		ug/L		86	70 - 130	4	20
2-Hexanone	250	279		ug/L		112	70 - 130	2	20
Iodomethane	50.0	58.9		ug/L		118	52 - 129	9	30
Isopropylbenzene	50.0	54.0		ug/L		108	70 - 130	2	30
Methylene Chloride	50.0	57.5		ug/L		115	70 - 130	3	30
4-Methyl-2-pentanone (MIBK)	250	253		ug/L		101	68 - 108	2	30
Methyl tert-butyl ether	50.0	55.4		ug/L		111	70 - 130	2	30
m-Xylene & p-Xylene	50.0	52.7		ug/L		105	70 - 130	2	30
Naphthalene	50.0	34.1		ug/L		68	57 - 149	3	30
n-Butylbenzene	50.0	51.0		ug/L		102	70 - 130	1	30
N-Propylbenzene	50.0	53.4		ug/L		107	70 - 130	2	30
o-Xylene	50.0	54.8		ug/L		110	70 - 130	2	30
p-Isopropyltoluene	50.0	52.2		ug/L		104	70 - 130	0	30
sec-Butylbenzene	50.0	53.7		ug/L		107	70 - 130	2	30
Styrene	50.0	54.3		ug/L		109	70 - 130	1	30
tert-Butylbenzene	50.0	55.5		ug/L		111	70 - 130	3	30
1,1,1,2-Tetrachloroethane	50.0	51.0		ug/L		102	70 - 130	4	30
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/L		101	70 - 130	1	30
Tetrachloroethylene	50.0	52.9		ug/L		106	70 - 130	1	30
Toluene	50.0	53.6		ug/L		107	70 - 130	1	30
trans-1,4-Dichloro-2-butene	50.0	46.8		ug/L		94	67 - 112	6	30
trans-1,2-Dichloroethene	50.0	53.1		ug/L		106	70 - 130	3	30
trans-1,3-Dichloropropene	50.0	52.6		ug/L		105	70 - 130	0	30
1,2,3-Trichlorobenzene	50.0	32.8		ug/L		66	61 - 141	4	30
1,2,4-Trichlorobenzene	50.0	38.1		ug/L		76	70 - 130	3	30
1,1,1-Trichloroethane	50.0	50.3		ug/L		101	70 - 130	4	30
1,1,2-Trichloroethane	50.0	51.6		ug/L		103	70 - 130	3	30
Trichloroethene	50.0	52.7		ug/L		105	70 - 130	1	30
Trichlorofluoromethane	50.0	57.8		ug/L		116	63 - 142	5	30
1,2,3-Trichloropropane	50.0	49.0		ug/L		98	70 - 130	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	56.5		ug/L		113	63 - 141	6	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCSD 680-669004/4

Matrix: Water

Analysis Batch: 669004

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
1,2,4-Trimethylbenzene	50.0	53.6		ug/L		107	70 - 130	3	30
1,3,5-Trimethylbenzene	50.0	52.9		ug/L		106	70 - 130	3	30
Vinyl acetate	100	103		ug/L		103	67 - 135	11	30
Vinyl chloride	50.0	59.8		ug/L		120	66 - 129	10	30
Xylenes, Total	100	108		ug/L		108	70 - 130	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
1,2-Dichloroethane-d4 (Surr)	94		60 - 124
Toluene-d8 (Surr)	101		70 - 130

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-668916/8

Matrix: Water

Analysis Batch: 668916

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			05/17/21 15:57	1
Ethene	0.31	U	1.0	0.31	ug/L			05/17/21 15:57	1
Methane	0.57	U	0.58	0.57	ug/L			05/17/21 15:57	1
Methane (TCD)	59	U	390	59	ug/L			05/17/21 15:57	1

Lab Sample ID: LCS 680-668916/3

Matrix: Water

Analysis Batch: 668916

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	1940		ug/L		101	75 - 125

Lab Sample ID: LCS 680-668916/6

Matrix: Water

Analysis Batch: 668916

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	318		ug/L		110	75 - 125
Ethene	269	284		ug/L		106	75 - 125
Methane	154	163		ug/L		106	75 - 125

Lab Sample ID: LCSD 680-668916/4

Matrix: Water

Analysis Batch: 668916

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	1950		ug/L		101	75 - 125	0	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-198824-1

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

Lab Sample ID: LCSD 680-668916/7

Matrix: Water

Analysis Batch: 668916

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	288	307		ug/L		107	75 - 125	3	30
Ethene	269	276		ug/L		102	75 - 125	3	30
Methane	154	158		ug/L		102	75 - 125	3	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-669133/2

Matrix: Water

Analysis Batch: 669133

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.50	U	1.0	0.50	mg/L			05/17/21 22:16	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			05/17/21 22:16	1

Lab Sample ID: LCS 680-669133/3

Matrix: Water

Analysis Batch: 669133

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	20.0	19.4		mg/L		97	80 - 120
Total Organic Carbon - Quad	20.0	19.4		mg/L		97	80 - 120
TOC Result 1	20.0	19.4		mg/L		97	80 - 120
TOC Result 2	20.0	19.2		mg/L		96	80 - 120
TOC Result 3	20.0	19.4		mg/L		97	80 - 120
TOC Result 4	20.0	19.5		mg/L		97	80 - 120

Lab Sample ID: LCSD 680-669133/4

Matrix: Water

Analysis Batch: 669133

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
Total Organic Carbon	20.0	19.4		mg/L		97	80 - 120	0	25
Total Organic Carbon - Quad	20.0	19.4		mg/L		97	80 - 120	0	25
TOC Result 1	20.0	19.5		mg/L		97	80 - 120	0	25
TOC Result 2	20.0	19.3		mg/L		96	80 - 120	1	25
TOC Result 3	20.0	19.3		mg/L		97	80 - 120	0	25
TOC Result 4	20.0	19.4		mg/L		97	80 - 120	0	25

QC Association Summary

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

Job ID: 680-198824-1

GC/MS VOA

Analysis Batch: 668851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198824-1	OLF-G77	Total/NA	Water	8260B	
680-198824-2	DUP377	Total/NA	Water	8260B	
680-198824-3	OLF-G07	Total/NA	Water	8260B	
MB 680-668851/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668851/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668851/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-198824-3 MS	OLF-G07	Total/NA	Water	8260B	
680-198824-3 MSD	OLF-G07	Total/NA	Water	8260B	

Analysis Batch: 668857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198824-4	DUP375	Total/NA	Water	8260B	
680-198824-5	OLF-G78	Total/NA	Water	8260B	
680-198824-6	TB580	Total/NA	Water	8260B	
680-198824-7	MB108	Total/NA	Water	8260B	
MB 680-668857/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668857/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 668992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198824-1 - DL	OLF-G77	Total/NA	Water	8260B	
680-198824-2 - DL	DUP377	Total/NA	Water	8260B	
MB 680-668992/8	Method Blank	Total/NA	Water	8260B	
LCS 680-668992/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-668992/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 669004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198824-8	EB138	Total/NA	Water	8260B	
MB 680-669004/8	Method Blank	Total/NA	Water	8260B	
LCS 680-669004/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-669004/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 668916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198824-1	OLF-G77	Total/NA	Water	RSK-175	
680-198824-2	DUP377	Total/NA	Water	RSK-175	
680-198824-7	MB108	Total/NA	Water	RSK-175	
680-198824-8	EB138	Total/NA	Water	RSK-175	
MB 680-668916/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-668916/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-668916/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-668916/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-668916/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 669133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198824-1	OLF-G77	Total/NA	Water	9060A	

Eurofins TestAmerica, Savannah

QC Association Summary

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

Job ID: 680-198824-1

General Chemistry (Continued)

Analysis Batch: 669133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-198824-2	DUP377	Total/NA	Water	9060A	
680-198824-7	MB108	Total/NA	Water	9060A	
680-198824-8	EB138	Total/NA	Water	9060A	
MB 680-669133/2	Method Blank	Total/NA	Water	9060A	
LCS 680-669133/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-669133/4	Lab Control Sample Dup	Total/NA	Water	9060A	

Lab Chronicle

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

Job ID: 680-198824-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-198824-1

Date Collected: 05/12/21 11:45

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668851	05/17/21 19:53	SMP	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	8260B	DL	20	5 mL	5 mL	668992	05/18/21 15:26	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 20:54	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 05:16	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: DUP377

Lab Sample ID: 680-198824-2

Date Collected: 05/12/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668851	05/17/21 20:16	SMP	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	8260B	DL	20	5 mL	5 mL	668992	05/18/21 15:49	UI	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 21:07	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 05:34	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G07

Lab Sample ID: 680-198824-3

Date Collected: 05/12/21 09:35

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668851	05/17/21 20:39	SMP	TAL SAV
		Instrument ID: CMSO2								

Client Sample ID: DUP375

Lab Sample ID: 680-198824-4

Date Collected: 05/10/21 00:00

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668857	05/17/21 19:34	UI	TAL SAV
		Instrument ID: CMSS								

Client Sample ID: OLF-G78

Lab Sample ID: 680-198824-5

Date Collected: 05/12/21 13:35

Matrix: Water

Date Received: 05/13/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668857	05/17/21 19:54	UI	TAL SAV
		Instrument ID: CMSS								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-198824-1

Client Sample ID: TB580

Date Collected: 05/12/21 02:45

Date Received: 05/13/21 09:30

Lab Sample ID: 680-198824-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668857	05/17/21 20:14	UI	TAL SAV
Instrument ID: CMSS										

Client Sample ID: MB108

Date Collected: 05/12/21 14:15

Date Received: 05/13/21 09:30

Lab Sample ID: 680-198824-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	668857	05/17/21 20:34	UI	TAL SAV
Instrument ID: CMSS										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 21:20	JCK	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 06:26	RKJ	TAL SAV
Instrument ID: TOC7										

Client Sample ID: EB138

Date Collected: 05/12/21 14:10

Date Received: 05/13/21 09:30

Lab Sample ID: 680-198824-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	669004	05/18/21 18:20	UI	TAL SAV
Instrument ID: CMSS										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	668916	05/17/21 21:33	JCK	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	669133	05/18/21 06:42	RKJ	TAL SAV
Instrument ID: TOC7										

Laboratory References:

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: 680-198824-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-21

1
2
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12

Method Summary

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

Job ID: 680-198824-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
RSK-175	Dissolved Gases (GC)	RSK	TAL SAV
9060A	Organic Carbon, Total (TOC)	SW846	TAL SAV
5030B	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

COC# 6404

Cooler ID _____ Page 1 of 3
Cooler 3 of 3

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,F 3-40 mL vials, HCl	SW9060A -TOC 3-40 mL amber vials, H2SO4	SW8260B - VOC TB 2-40 mL vials, HCl
OLF-G77	NS	MW	Water	BP		5/12/21	11:45	X	X	X	
DWP 377	FO	FD	Water	BP	X	5/12/21	N/A	X	X	X	
OLF-G07	NS	MW	Water	BP		5/12/21	9:35	X			
Dwp 375	FO	FD	Water	BP		5/10/21	N/A	X			
OLF-G78	NS	MW	Water	BP		5/12/21	13:35	X			
TB 580	TB	TB	Water Grab			5/12/21	2:45				X
MB108	MB	MB	Water Grab			5/12/21	14:15	X	X	X	
EB138	EB	EB	Water Grab			5/12/21	14:10	X	X	X	

680-198824 Chain of Custody

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):

20:21 H202/E1/5

fedEx

Date/Time:

5-13-21 930

1.9/2.0

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-198824-1

Login Number: 198824

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	