

Appendices

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

19.094.20-05.2

GROUNDWATER LEVELS

Field Personnel

Tulley/Abernathy

Measuring Equipment

Solinst Water Level Meter

Date

11/6/2019

Conditions

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
LF4-MW01	4 inch	11/6/2019	11:10	24.43	40	15.57	DA
LF4-MW02	4 inch	11/6/2019	11:20	27.35	40.25	12.9	DA
LF4-MW03	4 inch	11/6/2019	11:27	15.65	34.2	18.55	DA
LF4-MW04	4 inch	11/6/2019	11:35	10.53	26.8	16.27	DA
LF4-MW05	4 inch	11/6/2019	10:10	16.96	34.6	17.64	DA
OLF-G04	4 inch	11/6/2019	13:50	51.24	60.5	9.26	DA
OLF-G05	4 inch	11/6/2019	7:40	42.91	60.4	17.49	JT
OLF-G06	4 inch	11/6/2019	9:55	DRY	72.58	Dry well	JT
OLF-G07	4 inch	11/6/2019	8:15	50.45	62.5	12.05	JT
OLF-G08	4 inch	11/6/2019	7:35	39.74	45	5.26	JT
OLF-G09	4 inch	11/6/2019	13:45	DRY	32	Dry well	DA
OLF-G10	4 inch	11/6/2019	10:30	DRY	28	Dry well	DA
OLF-G12	4 inch	11/6/2019	11:50	70.91	87	16.09	JT
OLF-G16	4 inch	11/6/2019	14:00	DRY	37.45	Dry well	DA
OLF-G17	4 inch	11/6/2019	14:20	31.05	42	10.95	DA
OLF-G18	4 inch	11/6/2019	12:15	47.46	58.3	10.84	JT
OLF-G19	4 inch	11/6/2019	12:05	54.96	68	13.04	JT
OLF-G20	4 inch	11/6/2019	7:48	62.42	175	112.58	JT
OLF-G21	4 inch	11/6/2019	12:20	61.56	175	113.44	JT
OLF-G22	4 inch	11/6/2019	11:45	72.27	175	102.73	JT
OLF-G23	4 inch	11/6/2019	11:20	69.65	175	105.35	JT
OLF-G24	4 inch	11/6/2019	11:25	70.00	95	25	JT
OLF-G25	4 inch	11/6/2019	15:10	62.06	175.5	113.44	JT
OLF-G26	4 inch	11/6/2019	15:20	69.99	100	30.01	JT



Matrix Environmental Services
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(256) 847-0905

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McClellan

Project Number

19.094.20-05.2

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G27	4 inch	11/7/2019	10:15	98.21	300	201.79	JT
OLF-G28	4 inch	11/7/2019	10:20	98.00	150	52	JT
OLF-G29	4 inch	11/6/2019	15:00	96.13	222.5	126.37	JT
OLF-G30	4 inch	11/6/2019	14:55	97.54	297.2	199.66	JT
OLF-G31	4 inch	11/6/2019	14:40	112.30	225	112.7	JT
OLF-G32	4 inch	11/6/2019	14:50	120.31	182	61.69	JT
OLF-G35	4 inch	11/6/2019	11:35	69.65	260	190.35	JT
OLF-G36	4 inch	11/6/2019	11:55	71.96	258.8	186.84	JT
OLF-G37	4 inch	11/6/2019	14:30	90.61	204	113.39	DA
OLF-G40	2 inch	11/6/2019	11:14	25.63	125	99.37	DA
OLF-G41	2 inch	11/6/2019	10:25	30.85	85.7	54.85	DA
OLF-G42	2 inch	11/6/2019	10:05	74.52	174.5	99.98	JT
OLF-G43	2 inch	11/6/2019	15:10	94.89	220.6	125.71	DA
OLF-G44	2 inch	11/6/2019	15:20	97.43	295.1	197.67	DA
OLF-G45	2 inch	11/6/2019	7:30	43.05	182	138.95	DA
OLF-G46	2 inch	11/6/2019	7:35	45.70	250	204.3	DA
OLF-G47	2 inch	11/6/2019	11:05	60.81	322	261.19	JT
OLF-G48	2 inch	11/6/2019	11:10	51.44	405	353.56	JT
OLF-G49	2 inch	11/6/2019	13:10	83.50	110	26.5	JT
OLF-G50	2 inch	11/6/2019	13:15	84.09	159	74.91	JT
OLF-G51	2 inch	11/6/2019	13:20	81.99	259	N/A	JT
OLF-G52	2 inch	11/6/2019	10:55	63.46	377.5	314.04	JT
OLF-G53	2 inch	11/6/2019	7:55	46.85	88.5	41.65	DA
OLF-G54	2 inch	11/6/2019	9:17	23.98	37.22	13.24	DA
OLF-G55	2 inch	11/6/2019	9:15	30.53	80.4	49.87	DA
OLF-G56	2 inch	11/6/2019	9:38	32.49	40.5	8.01	DA
OLF-G57	2 inch	11/6/2019	9:33	32.75	65.4	32.65	DA

*Unable to get water level due to obstruction.



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GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G58	2 inch	11/6/2019	11:00	21.57	29	7.43	DA
OLF-G66	4 inch	11/6/2019	10:41	28.55	105	76.45	DA
OLF-G67	4 inch	11/6/2019	10:45	28.32	149	120.68	DA
OLF-G68	4 inch	11/6/2019	10:55	39.87	133	93.13	DA
OLF-G69	4 inch	11/6/2019	10:50	33.96	177.5	143.54	DA
OLF-G70	4 inch	11/6/2019	10:45	62.51	400	337.49	JT
OLF-G71 Port 1	FLUTe	11/6/2019	7:52	46.98	245	198.02	JT
OLF-G71 Port 2	FLUTe	11/6/2019	7:57	62.15	245	182.85	JT
OLF-G71 Port 3	FLUTe	11/6/2019	8:03	62.10	245	182.9	JT
OLF-G71 Port 4	FLUTe	11/6/2019	8:06	67.85	245	177.15	JT
OLF-G71 Port 5	FLUTe	11/6/2019	8:10	67.23	245	177.77	JT
OLF-G72 Port 1	FLUTe	11/6/2019	8:25	72.48	245	172.52	JT
OLF-G72 Port 2	FLUTe	11/6/2019	8:30	68.95	245	176.05	JT
OLF-G72 Port 3	FLUTe	11/6/2019	8:35	72.89	245	172.11	JT
OLF-G72 Port 4	FLUTe	11/6/2019	8:40	73.11	245	171.89	JT
OLF-G72 Port 5	FLUTe	11/6/2019	8:45	73.84	245	171.16	JT
OLF-G72 Port 6	FLUTe	11/6/2019	8:50	69.50	245	175.5	JT
OLF-G73 Port 1	FLUTe	11/6/2019	9:05	73.73	270	196.27	JT
OLF-G73 Port 2	FLUTe	11/6/2019	9:10	75.01	270	194.99	JT
OLF-G73 Port 3	FLUTe	11/6/2019	9:15	73.87	270	196.13	JT
OLF-G73 Port 4	FLUTe	11/6/2019	9:20	75.01	270	194.99	JT
OLF-G73 Port 5	FLUTe	11/6/2019	9:25	73.84	270	196.16	JT
OLF-G74 Port 1	FLUTe	11/6/2019	9:30	72.15	265	N/A	JT
OLF-G74 Port 2	FLUTe	11/6/2019	9:35	76.63	265	188.37	JT
OLF-G74 Port 3	FLUTe	11/6/2019	9:40	75.32	265	189.68	JT
OLF-G74 Port 4	FLUTe	11/6/2019	9:45	76.67	265	188.33	JT
OLF-G74 Port 5	FLUTe	11/6/2019	9:50	72.29	265	192.71	JT

* 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

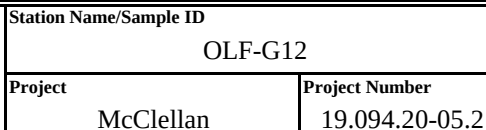
Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	50.95	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/20/2019
Well Depth (TOC)	62.5	feet						
Water Column Thickness	11.55	feet	Equipment	Solinst Model 408 Double Valve Pump Geotech Geocontrol PRO	Laboratory	TestAmerica	Sample Depth	57
Casing Diameter	4	inches						
Casing Volume	7.51	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	741.36	feet						
Groundwater Elevation	690.41	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
1045	0	16.90	69.7	3.76	232.2	0.0455	3.83	5.35	Clear	Clear	None
1050	625	17.10	68.8	3.49	237.5	0.0455	4.03	5.35	Clear	Clear	None
1055	625	17.10	70.7	3.45	238.5	0.0462	3.76	5.35	Clear	Clear	None
1100	625	17.50	71.4	3.29	237.7	0.0462	3.31	5.36	Clear	Clear	None
1105	625	17.70	72.3	3.23	238.5	0.0468	3.19	5.37	Clear	Clear	None
1110	625	18.10	73.4	3.13	238.3	0.0481	3.08	5.37	Clear	Clear	None
1115	625	18.40	75	3.07	237.0	0.0488	2.75	5.38	Clear	Clear	None
1120	625	18.30	75.9	3.03	236.5	0.0494	2.69	5.38	Clear	Clear	None
1125	625	18.10	75.5	2.99	236.1	0.0494	2.60	5.38	Clear	Clear	None
1130	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5000		No								
QA/QC Samples									Signature		
MS/MSD									D. Abernathy 		



Groundwater Depth (TOC)	Sample Method	Sampler	Date
71.04 feet		J. Tulley	11/19/2019
Well Depth (TOC)	Low Flow	Location (Site)	Begin Time
87 feet		LF3	13:00
Water Column Thickness	Equipment	Laboratory	Sample Depth
15.96 feet		TestAmerica	80
	Geotech Bladder Pump	Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4 inches		63	YSI Pro Plus#2
Casing Volume	Weather Conditions	Solinst Water Level Meter	
10.37 gallons		Geotech Geocontrol PRO	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)
		Field	
Well Elevation (TOC)		11/19/2019	N/A
745.43 feet			
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
674.39 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
14:30	0	19.50	87.9	5.66	180.2	0.0572	10.86	5.34	Clear	Clear	None
14:35	500	18.80	73.6	5.49	205.7	0.0481	4.36	5.25	Clear	Clear	None
14:40	500	18.80	74.1	5.97	204.9	0.0481	3.86	5.27	Clear	Clear	None
14:45	500	18.70	74.2	5.16	205.4	0.0481	3.33	5.26	Clear	Clear	None
14:50	500	18.60	74.2	5.74	207.3	0.0481	2.86	5.25	Clear	Clear	None
14:55	500	18.70	75	5.12	209.6	0.0488	2.09	5.29	Clear	Clear	None
15:00	500	18.70	75.2	5.41	208.3	0.0488	2.46	5.31	Clear	Clear	None
15:05	500	18.80	75.4	5.38	207.9	0.049	2.98	5.31	Clear	Clear	None
15:06	Collecting Sample Suite										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
35	3500	No									

Signature 09



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

Station Name/Sample ID

OLF-G18

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 47.96 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/19/2019
Well Depth (TOC) 58 feet		Location (Site) LF3	Begin Time 8:00
Water Column Thickness 10.04 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 52
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 45	Meters YSI Pro Plus	Serial numbers
Casing Volume 6.53 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) 741.6 feet		Calibration Field 11/19/2019	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 693.64 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
8:20	0	16.00	122.3	2.51	141.9	0.0793	29.74	6.18	Clear	Clear	None
8:25	500	16.20	123	2.53	117.5	0.08	17.54	6.35	Clear	Clear	None
8:30	500	16.30	122.9	2.35	113.6	0.08	20.81	6.40	Clear	Clear	None
8:35	500	16.40	122.8	2.29	105.2	0.08	16.47	6.43	Clear	Clear	None
8:40	500	16.20	122.7	2.45	108.7	0.08	14.86	6.43	Clear	Clear	None
8:45	500	16.40	122.8	2.54	98.5	0.08	15.05	6.46	Clear	Clear	None
8:50	500	16.30	122.9	2.29	95.7	0.08	15.06	6.42	Clear	Clear	None
8:55	500	16.30	122.9	2.47	93.5	0.08	14.99	6.43	Clear	Clear	None
9:00	500	16.00	122.9	2.50	94.6	0.08	15.97	6.42	Clear	Clear	None
9:01	Collecting Sample Suite										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
40	4000	No									
QA/QC Samples									Signature		



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G19

Project

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 55.34 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/19/2019
Well Depth (TOC) 68 feet		Location (Site) LF3	Begin Time 10:40
Water Column Thickness 12.66 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 62
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 57	Meters YSI Pro Plus	Serial numbers
Casing Volume 8.23 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 11/19/2019	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 688.74 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
11:10	0	19.50	121	1.67	5.5	0.0787	35.41	7.15	Cloudy	Clear	None
11:15	500	19.10	120.2	1.73	12.1	0.078	42.78	7.01	Cloudy	Clear	None
11:20	500	19.20	119.7	1.71	16.3	0.078	31.05	6.89	Cloudy	Clear	None
11:25	500	19.30	119.3	2.25	23.9	0.0774	22.09	6.82	Clear	Clear	None
11:30	500	19.10	119	1.83	30.3	0.0774	21.06	6.75	Clear	Clear	None
11:35	500	18.90	119.2	1.82	30.6	0.0774	22.15	6.75	Clear	Clear	None
11:40	500	19.20	118.9	1.51	31.1	0.0774	21.94	6.73	Clear	Clear	None
11:45	500	19.20	118.6	1.62	31.3	0.0774	22.22	6.72	Clear	Clear	None
11:46	Collected Sample Suite										
D. 2											
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
35	3500	No				sample has very small brown flakes					
QA/QC Samples									Signature		



Matrix Environmental Services
283 Rucker Street
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OLF-G20

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 62.71 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/20/2019
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 0915
Water Column Thickness 112.29 feet	Equipment Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 72.99 w gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 48	Meters YSI Pro Plus #2	
Well Elevation (TOC) 741.43 feet		Serial numbers Geotech Water Level Meter	
Groundwater Elevation 678.72 feet	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
		11/20/2019	
	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	14.80	755	0.99	-76.2	0.4875	2.44	7.07	Clear	Clear	Sulfur-like
0920	625	14.80	759	0.81	-77.3	0.4875	3.11	7.06	Clear	Clear	Sulfur-like
0925	625	14.80	756	0.87	-78.1	0.494	3.79	7.06	Clear	Clear	Sulfur-like
0930	625	14.90	756	0.75	-78.7	0.494	2.56	7.06	Clear	Clear	None
0935	625	15.10	757	0.60	-80.7	0.494	2.62	7.06	Clear	Clear	None
0940	625	15.00	757	0.60	-81.3	0.494	2.54	7.06	Clear	Clear	None
0945	625	15.10	756	0.61	-82.3	0.494	2.49	7.06	Clear	Clear	None
0950	625	15.10	757	0.60	-82.8	0.494	2.46	7.06	Clear	Clear	None
0955	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	4375		No								
QA/QC Samples									Signature D. Abernathy		



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G21

Project

McClellan

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19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 62.01 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/19/2019
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 9:15
Water Column Thickness 112.99 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 73.44 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 52	Meters YSI Pro Plus	Serial numbers
Well Elevation (TOC) 742.57 feet		Solinst Water Level Meter	
Groundwater Elevation 680.56 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
9:30	0	14.10	480.9	3.86	-94.2	0.3114	10.86	7.18	Clear	Clear	None
9:35	500	15.50	487.6	0.70	-142.5	0.3172	7.85	7.52	Clear	Clear	None
9:40	500	15.30	488.9	0.74	-143.3	0.3172	4.01	7.52	Clear	Clear	None
9:45	500	15.30	490.5	0.80	-143.5	0.3172	3.85	7.52	Clear	Clear	None
9:50	500	15.40	488.7	0.82	-143.2	0.3172	2.99	7.52	Clear	Clear	None
9:55	500	15.60	487.7	0.65	-145.4	0.3172	2.01	7.52	Clear	Clear	None
10:00	500	15.60	488.7	0.66	-145.6	0.317	2.47	7.52	Clear	Clear	None
10:05	500	15.90	488.9	0.70	-145.8	0.317	2.05	7.53	Clear	Clear	None
10:06	Collected Sample Suite										

Total Time (min.) 35	Total Volume Removed 3500	Well pumped dry (yes/no) No	Notes
QA/QC Samples			Signature J. Tulley



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283 Rucker Street
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Station Name/Sample ID

OLF-G22

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 72.29 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/19/2019
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 1145
Water Column Thickness 102.71 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 66.76 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 61	Meters YSI Pro Plus #2 Geotech Water Level Meter	Serial numbers
Well Elevation (TOC) 746.54 feet	Weather Conditions Sunny	Calibration Field 11/19/2019	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 674.25 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
1200	0	19.10	151.8	2.41	-51.9	0.0988	5.20	6.92	Clear	Clear	None
1205	625	19.40	346.5	1.39	8.5	0.2256	4.85	6.37	Clear	Clear	None
1210	625	19.60	397.2	1.01	24.9	0.2633	3.95	6.34	Clear	Clear	None
1215	625	19.30	405.5	0.86	29.5	0.2633	3.54	6.34	Clear	Clear	None
1220	625	19.30	405	0.71	30.8	0.2633	3.14	6.34	Clear	Clear	None
1225	625	19.40	405.5	0.74	31.9	0.2639	3.27	6.34	Clear	Clear	None
1230	625	19.40	406.9	0.71	33.2	0.2646	3.21	6.33	Clear	Clear	None
1235	625	19.50	406.6	0.72	34.2	0.2646	3.19	6.33	Clear	Clear	None
1240	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	4375		No								
QA/QC Samples									Signature D. Abernathy 		



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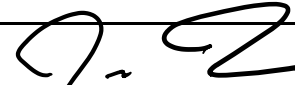
Station Name/Sample ID
OLF-G23

Project
McClellan

Project Number

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 69.63 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/18/2019
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 8:45
Water Column Thickness 105.37 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 162
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 58	Meters YSI Pro Plus	Serial numbers
Casing Volume 68.49 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) 743.89 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 674.26 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
12:00	0	19.10	179	10.87	139.6	0.1222	6.54	6.44	Clear	Clear	None
12:05	500	19.30	206.6	10.10	142.8	0.1352	7.29	6.32	Clear	Clear	None
12:10	500	20.00	288.3	7.59	143.2	0.1905	5.07	6.17	Clear	Clear	None
12:15	500	20.00	308.9	5.90	143.5	0.2008	6.51	6.12	Clear	Clear	None
12:20	500	19.50	319.1	4.80	143.2	0.2067	5.98	6.08	Clear	Clear	None
12:25	500	19.40	321.8	4.66	143.9	0.2093	2.09	6.05	Clear	Clear	None
12:30	500	20.30	326.8	3.98	138.9	0.2132	1.51	6.09	Clear	Clear	None
12:35	500	20.50	333.9	2.97	137.8	0.2165	0.99	6.09	Clear	Clear	None
12:40	500	20.30	335.2	3.11	137.6	0.2184	1.19	6.08	Clear	Clear	None
12:45	500	19.90	335	3.15	137.3	0.2184	0.89	6.08	Clear	Clear	None
12:50	500	20.00	334.9	3.01	137.3	0.2184	1.12	6.08	clear	Clear	None
12:51		Collected Sample Suite									
Total Time (min.) 50		Total Volume Removed 5000		Well pumped dry (yes/no) No			Notes				
QA/QC Samples									Signature 		



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Station Name/Sample ID

OLF-G24

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Project Number

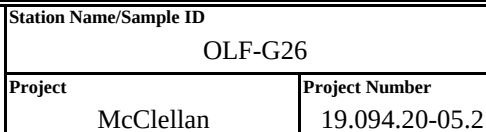
19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 69.96 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/18/2019
Well Depth (TOC) 95 feet		Location (Site) LF3	Begin Time 13:05
Water Column Thickness 25.04 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 87
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 60	Meters YSI Pro Plus#2	Serial numbers
Casing Volume 16.28 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) 743.89 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 673.93 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
13:15	0	20.40	61.2	3.69	178.7	0.0397	95.45	5.36	Cloudy	Brown	None
13:20	500	19.80	58.3	3.08	169.9	0.0377	25.29	5.19	Clear	Clear	None
13:25	500	19.80	57.8	3.27	199.1	0.0377	23.84	5.17	Clear	Clear	None
13:30	500	19.30	57.5	2.43	206.3	0.0377	18.04	5.14	Clear	Clear	None
13:35	500	19.30	57.6	2.69	207.4	0.037	16.06	5.13	Clear	Clear	None
13:40	500	20.20	57.2	2.39	200.6	0.037	15.59	5.27	Clear	Clear	None
13:45	500	20.20	57.1	2.79	202.7	0.037	14.98	5.27	Clear	Clear	None
13:50	500	20.30	57.3	2.75	202.9	0.037	15.08	5.27	Clear	Clear	None
13:51	Collected Sample Suite										

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



Groundwater Depth (TOC)	Sample Method	Sampler	Date
70.36 feet		J. Tulley	11/20/2019
Well Depth (TOC)	Low Flow	Location (Site)	Begin Time
100 feet		LF3	8:05
Water Column Thickness	Equipment	Laboratory	Sample Depth
29.64 feet		TestAmerica	92
	Geotech Bladder Pump	Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4 inches		46	YSI Pro Plus#2
Casing Volume	Weather Conditions	Solinst Water Level Meter	
19.27 gallons		Geotech Geocontrol PRO	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)
		Field	
Well Elevation (TOC)		11/20/2019	N/A
745.04 feet			
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
674.68 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Page 1 of 1



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OLF-G31

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	116.8	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/11/2019
Well Depth (TOC)	225	feet						
Water Column Thickness	108.2	feet	Equipment	Solinst model 408 Double Valve pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	215
Casing Diameter	4	inches	Weather Conditions	Sunny	Meters	YSI pro plus#2 Geotech Water Level Meter	Serial numbers	
Casing Volume	70.33	gallons						
	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	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	793.69	feet						
Groundwater Elevation	676.89	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
1250	0	17.70	302	4.63	-7.2	0.1989	11.07	7.44	Clear	Clear	None
1255	750	17.60	325.8	3.54	-46.4	0.2119	18.87	7.61	Clear	Clear	None
1300	750	17.60	332.8	2.90	-74.5	0.2217	12.75	7.71	Clear	Clear	None
1305	750	17.40	353.8	1.87	-100.2	0.2301	17.95	7.81	Clear	Clear	None
1310	750	17.80	354.6	1.59	-105.7	0.2307	10.92	7.81	Clear	Clear	None
1315	500	17.90	354.9	1.61	-106.1	0.2307	12.63	7.81	Clear	Clear	None
1320	500	17.90	353.8	1.65	-101.3	0.2294	12.74	7.79	Clear	Clear	None
1325	500	18.00	353.2	1.60	-100.5	0.2294	12.26	7.79	Clear	Clear	None
1330	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	4500		No								
QA/QC Samples									Signature D. Abernathy 		



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OLF-G32

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	120.41	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/11/2019
Well Depth (TOC)	291	feet						
Water Column Thickness	170.59	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	281
Casing Diameter	4	inches						
Casing Volume	110.88	gallons	Weather Conditions	Overcast	Meters	YSI pro plus #2 Geotech Water Level Meter	Serial numbers	
Well Elevation (TOC)	793.41	feet						
Groundwater Elevation	673	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
1100	0	18.60	222.7	1.74	50.1	0.1463	25.60	7.86	Clear	Clear	None
1105	500	19.00	224.6	1.75	50.2	0.1469	27.37	7.86	Clear	Clear	None
1110	500	20.30	229.3	1.95	48.9	0.1514	38.36	7.88	Clear	Clear	None
1115	500	20.70	234.9	2.25	50.9	0.1521	37.49	7.88	Clear	Clear	None
1120	750	20.00	234.5	2.40	50.0	0.1528	28.05	7.88	Clear	Clear	None
1125	750	20.20	234.1	2.44	46.8	0.1528	25.57	7.87	Clear	Clear	None
1130	750	18.80	234	2.50	46.0	0.1521	17.76	7.87	Clear	Clear	None
1135	750	19.20	232.9	2.48	39.6	0.1508	15.49	7.87	Clear	Clear	None
1140	750	18.90	233	2.50	38.9	0.1514	12.46	7.87	Clear	Clear	None
1145	750	18.70	232.6	2.58	37.1	0.1508	12.14	7.87	Clear	Clear	None
1150	750	18.90	232.5	2.54	36.5	0.1514	11.91	7.87	Clear	Clear	None
1155	Collect Sampe Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	6750		No			First Time Using Double Valve Pump					
QA/QC Samples									Signature D. Abernathy 		



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OLF-G35

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	69.63	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/19/2019
Well Depth (TOC)	260	feet						
Water Column Thickness	190.37	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	250
Casing Diameter	4	inches						
Casing Volume	123.74	gallons	Weather Conditions	Sunny	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	742.82	feet						
Groundwater Elevation	673.19	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
0830	0	12.30	13.4	3.72	137.0	0.1144	8.74	7.42	Clear	Clear	None
0835	500	13.60	87.2	3.52	82.5	0.0565	8.95	7.26	Clear	Clear	None
0840	500	15.10	88.8	3.35	-28.3	0.0579	9.05	7.17	Clear	Clear	None
0845	500	16.30	88.8	4.68	-91.2	0.0579	8.92	7.19	Clear	Clear	None
0850	500	15.70	89.2	1.03	-104.3	0.0579	8.45	7.25	Clear	Clear	None
0855	500	15.90	89.3	0.95	-111.1	0.0585	7.92	7.25	Clear	Clear	None
0900	500	16.00	89.6	0.72	-113.3	0.0585	7.49	7.24	Clear	Clear	None
0905	500	16.20	91.1	0.61	-118.3	0.0591	7.25	7.25	Clear	Clear	None
0910	500	16.80	92.8	0.53	-120.3	0.0605	6.99	7.25	Clear	Clear	None
0915	500	16.70	93.5	0.51	-121.6	0.0611	6.78	7.25	Clear	Clear	None
0920	500	16.60	94.3	0.49	-122.2	0.0611	6.58	7.25	Clear	Clear	None
0925	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	5000		No								
QA/QC Samples									Signature D. Abernathy 		



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OLF-G36

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	71.95	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/19/2019
Well Depth (TOC)	258.8	feet						
Water Column Thickness	186.85	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	250
Casing Diameter	4	inches	Temperature (°F)	54	Meters	YSI Pro Plus #2	Serial numbers	Geotech Water Level Meter
Casing Volume	121.45	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						
Groundwater Elevation	674.14	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1025	0	18.80	155.3	2.14	-153.4	0.1014	28.10	9.15	Clear	Clear	Sulfur-like
1030	625	18.70	151.3	1.61	-177.8	0.0981	18.63	9.81	Clear	Clear	Sulfur-like
1035	625	19.10	159.8	1.11	-203.3	0.1014	10.86	10.04	Clear	Clear	Sulfur-like
1040	625	18.90	253.3	1.10	-176.6	0.1658	10.19	9.03	Clear	Clear	Sulfur-like
1045	625	18.90	405.7	1.18	-111.5	0.2639	9.49	7.55	Clear	Clear	Sulfur-like
1050	625	18.90	423.2	1.20	-90.3	0.2769	7.45	7.49	Clear	Clear	None
1055	625	18.90	427.8	1.18	-69.9	0.2782	6.53	7.47	Clear	Clear	None
1100	625	18.90	427.5	1.17	-65.6	0.2782	6.26	7.47	Clear	Clear	None
1105	625	18.90	428.2	1.16	-62.1	0.2789	6.15	7.46	Clear	Clear	None
1110	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5000		No								
QA/QC Samples									Signature D. Abernathy 		



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OLF-G42

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	74.71	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/20/2019
Well Depth (TOC)	220.6	feet						
Water Column Thickness	176.71	feet	Equipment	Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Laboratory	TestAmerica	Sample Depth	167
Casing Diameter	4	inches	Weather Conditions	Sunny	Meters	YSI Pro Plus #2 Geotech Water Level Meter	Serial numbers	
Casing Volume	114.86	gallons						
	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	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	748.41	feet						
Groundwater Elevation	673.7	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
1230	0	15.70	539.9	1.47	-62.8	0.3887	12.80	7.43	Clear	Clear	None
1235	625	15.80	647	1.01	-85.2	0.4225	5.68	7.35	Clear	Clear	None
1240	625	15.80	661	0.87	-88.0	0.429	6.31	7.35	Clear	Clear	None
1245	625	15.90	664	0.75	-91.4	0.429	6.29	7.35	Clear	Clear	None
1250	625	16.00	664	0.66	-93.2	0.429	5.49	7.35	Clear	Clear	None
1255	625	16.00	664	0.60	-93.5	0.429	4.28	7.35	Clear	Clear	None
1300	625	16.00	664	0.57	-94.7	0.429	4.36	7.35	Clear	Clear	None
1305	625	16.00	663	0.54	-94.9	0.429	4.43	7.35	Clear	Clear	None
1310	625	16.00	663	0.51	-95.4	0.429	4.52	7.35	Clear	Clear	None
1315	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	5000		No								
QA/QC Samples									Signature D. Abernathy		



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(256) 847-0780

Station Name/Sample ID

OLF-G43

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	95.59	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/19/2019
Well Depth (TOC)	220.6	feet						
Water Column Thickness	125.01	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	212
Casing Diameter	2	inches						
Casing Volume	20.00	gallons	Weather Conditions	Sunny	Meters	YSI Pro Plus #2 Geotech Water Level Meter	Serial numbers	
Well Elevation (TOC)	761.05	feet						
Groundwater Elevation	665.46	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
1440	0	17.50	105.3	3.61	9.9	0.0676	12.46	6.31	Clear	Clear	None
1445	625	17.30	162.7	4.71	42.6	0.106	6.47	6.40	Clear	Clear	None
1450	625	17.20	165.7	4.82	68.3	0.1079	6.49	6.41	Clear	Clear	None
1455	625	17.10	166.8	5.03	87.0	0.1085	4.26	6.41	Clear	Clear	None
1500	625	17.10	167.1	5.05	96.3	0.1085	3.41	6.41	Clear	Clear	None
1505	625	17.10	167.3	4.99	101.3	0.1085	2.26	6.41	Clear	Clear	None
1510	625	17.20	167.4	4.96	107.6	0.1092	2.12	6.42	Clear	Clear	None
1515	625	17.10	168.3	4.90	113.1	0.1092	2.00	6.43	Clear	Clear	None
1520	625	17.10	169.1	4.86	115.1	0.1099	1.72	6.43	Clear	Clear	None
1525	625	17.00	169.9	4.82	117.1	0.1099	1.66	6.43	Clear	Clear	None
1530	625	17.00	170.3	4.79	117.8	0.1105	1.55	6.43	Clear	Clear	None
1535	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	6250		No			Installed new tubing, first time sampling this well					
QA/QC Samples									Signature D. Abernathy 		



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

Station Name/Sample ID

OLF-G47

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	60.65	feet	Sample Method	Low Flow	Sampler	D.Abernathy	Date	11/18/2019
Well Depth (TOC)	322	feet						
Water Column Thickness	261.35	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	303
Casing Diameter	4	inches	Temperature (°F)	61	Meters	YSI Pro Plus #2	Serial numbers	Geotech Water Level Meter
Casing Volume	169.88	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)	717.46	feet						
Groundwater Elevation	656.81	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1210	0	19.00	315.4	6.65	36.2	0.2061	3.81	8.34	Clear	Clear	None
1215	375	19.00	314.2	6.64	36.8	0.2054	4.45	8.32	Clear	Clear	None
1220	375	19.30	260.1	6.76	46.9	0.1605	7.51	8.02	Clear	Clear	None
1225	375	18.70	131.5	6.87	70.8	0.0871	6.75	7.44	Clear	Clear	None
1230	375	18.70	101.7	6.81	84.0	0.0864	5.15	7.21	Clear	Clear	None
1235	375	18.50	253.8	5.15	82.6	0.1762	4.38	7.36	Clear	Clear	None
1240	375	18.30	333.2	4.82	71.6	0.2178	3.85	7.56	Clear	Clear	None
1245	375	18.50	338.4	4.76	65.4	0.2203	3.95	7.59	Clear	Clear	None
1250	375	18.60	341.4	4.63	60.1	0.2223	4.14	7.61	Clear	Clear	None
1255	375	18.60	345.6	4.37	55.7	0.2243	4.43	7.61	Clear	Clear	None
1300	375	18.70	349.6	3.96	52.2	0.2256	4.26	7.60	Clear	Clear	None
1305	375	18.60	354.6	3.76	57.4	0.2271	4.56	7.59	Clear	Clear	None
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
70	4875		No			Continued on page 2					
QA/QC Samples									Signature D. Abernathy		



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

Station Name/Sample ID

OLF-G48

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	51.4	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/18/2019
Well Depth (TOC)	405	feet						
Water Column Thickness	353.6	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	395
Casing Diameter	4	inches	Weather Conditions	Sunny	Meters	YSI Pro Plus #2 Geotech Water Level Meter	Serial numbers	
Casing Volume	229.84	gallons						
	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	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	717.63	feet						
Groundwater Elevation	666.23	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
1400	0	19.10	138.9	5.87	-53.5	0.08	10.62	7.06	Clear	Clear	None
1405	500	18.90	95	4.24	-76.3	0.0618	11.34	6.97	Clear	Clear	None
1410	500	18.80	93.6	3.76	-80.3	0.0605	8.95	6.98	Clear	Clear	None
1415	500	19.20	90.9	3.04	-85.1	0.0598	7.14	6.98	Clear	Clear	None
1420	500	19.20	90.7	2.59	-86.0	0.0591	8.16	7.00	Clear	Clear	None
1425	500	18.40	132.6	2.27	-95.6	0.0878	8.45	7.20	Clear	Clear	None
1430	500	17.60	258.6	2.15	-93.1	0.1839	10.52	7.51	Clear	Clear	None
1435	500	17.50	298.2	2.16	-78.9	0.1943	9.46	7.72	Clear	Clear	None
1440	500	17.40	307.6	2.18	-59.0	0.2002	8.76	7.75	Clear	Clear	None
1445	500	17.40	309.9	2.19	-46.2	0.2008	8.02	7.77	Clear	Clear	None
1450	500	17.50	312.4	2.22	-33.4	0.2028	8.53	7.79	Clear	Clear	None
1455	500	17.50	313.2	2.25	-15.6	0.2041	8.76	7.80	Clear	Clear	None
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
80	7500		No			Continued on page 2					
QA/QC Samples									Signature D. Abernathy 		



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

Station Name/Sample ID

OLF-G49

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 83.5 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/13/2019
Well Depth (TOC) 110 feet		Location (Site) LF3	Begin Time 14:15
Water Column Thickness 26.5 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 100
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 84	Meters YSI Pro Plus	Serial numbers
Casing Volume 17.23 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) 753.3 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 669.8 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
14:55	0	11.70	74.1	7.50	230.9	0.0481	161.80	5.16	Cloudy	Yellow	None
15:00	500	15.50	71.1	6.18	230.5	0.0462	180.40	5.24	Clear	Yellow	None
15:05	500	15.80	70.3	6.20	234.5	0.0455	198.70	5.24	Clear	Yellow	None
15:10	500	15.90	69	6.99	239.7	0.0448	55.01	5.24	Clear	Yellow	None
15:15	500	15.90	69.1	6.11	239.2	0.0455	47.09	5.24	Clear	Yellow	None
15:20	500	16.00	69	6.16	240.7	0.0448	49.52	5.22	Clear	Yellow	None
15:25	500	15.90	69	6.20	240.9	0.0448	48.51	5.23	Clear	Yellow	None
15:30	500	15.90	69	6.02	240.1	0.0448	49.88	5.23	Clear	Yellow	None
15:31	Collecting Sample Suite										

Total Time (min.) 35	Total Volume Removed 3500	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-G50

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 84.09 feet	Sample Method Low Flow	Sampler J. Tulley	Date 11/13/2019
Well Depth (TOC) 159 feet		Location (Site) LF3	Begin Time 12:15
Water Column Thickness 74.91 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 149
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 45	Meters YSI Pro Plus	Serial numbers
Casing Volume 48.69 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 669.53 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
13:15	0	15.30	229.9	10.01	138.1	0.1495	16.24	6.29	Clear	Clear	None
13:20	500	15.40	221.7	8.51	140.5	0.143	20.41	6.25	Clear	Clear	None
13:25	500	15.50	197.7	5.48	153.4	0.1287	24.86	6.14	Clear	Clear	None
13:30	500	15.40	196.7	5.07	154.4	0.1281	19.65	6.12	Clear	Clear	None
13:35	500	15.80	195.4	4.94	151.7	0.1274	13.12	6.13	Clear	Clear	None
13:40	500	16.00	195.5	5.24	150.4	0.1267	12.86	6.13	Clear	Clear	None
13:45	500	15.80	195.6	5.24	150.8	0.1274	12.04	6.13	Clear	Clear	None
13:50	500	15.70	195.3	5.22	151.0	0.1267	11.09	6.13	Clear	Clear	None
13:51	Collecting Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
35	3500		No								
QA/QC Samples									Signature		



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

Station Name/Sample ID

OLF-G51

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	81.99	feet	Sample Method	Sampler	Date
Well Depth (TOC)	259	feet			Low Flow
Water Column Thickness	177.01	feet	Equipment	Location (Site)	Begin Time
				Geotech Bladder Pump	LF3
				Laboratory	Sample Depth
				TestAmerica	249
				Sample Suite	
				See COCs	
Casing Diameter	4	inches	Temperature (°F)	Meters	Serial numbers
			34	YSI Pro Plus	
Casing Volume	115.06	gallons	Weather Conditions	Solinst Water Level Meter	
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4				Geotech Geocontrol PRO	
Well Elevation (TOC)	753.69	feet	Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)
				Field	
Groundwater Elevation	671.7	feet	Parameter Stabilization	11/13/2019	N/A
			temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	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
10:30	0	14.90	320.5	5.18	70.6	0.2112	74.85	6.54	Cloudy	Clear	None
10:35	500	15.00	323.1	6.25	84.0	0.2093	63.81	6.56	Cloudy	Clear	None
10:40	500	14.70	317.7	7.26	103.1	0.2067	58.24	6.59	Cloudy	Clear	None
10:45	500	14.60	319.3	8.03	103.6	0.208	51.21	6.59	Cloudy	Clear	None
10:50	500	15.10	325.4	4.46	104.2	0.2112	43.27	6.59	Cloudy	Clear	None
10:55	500	14.90	325.3	4.49	104.5	0.2119	22.46	6.60	Clear	Clear	None
11:00	500	15.10	327.1	4.39	105.3	0.2132	19.91	6.60	Clear	Clear	None
11:05	500	14.80	329.5	4.44	106.8	0.2145	12.03	6.59	Clear	Clear	None
11:10	500	15.10	332.7	4.33	108.3	0.2165	13.05	6.60	Clear	Clear	None
11:15	500	14.90	333.7	4.37	108.5	0.2171	12.71	6.59	Clear	Clear	None
11:20	500	15.00	334.1	4.43	108.8	0.2171	12.44	6.60	Clear	Clear	None
11:25	500	15.10	334.2	4.49	109.0	0.2171	12.08	6.59	Clear	Clear	None
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	5500		No			11:26 Collected Sample Suite					
QA/QC Samples									Signature 		



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

Station Name/Sample ID

OLF-G52

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	63.41	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/11/2019
Well Depth (TOC)	377.5	feet						
Water Column Thickness	314.09	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	367
Casing Diameter	4	inches						
Casing Volume	204.16	gallons	Weather Conditions	Overcast	Meters	YSI pro plus#2 Geotech Water Level Meter	Serial numbers	
Well Elevation (TOC)	723.83	feet						
Groundwater Elevation	660.42	feet	Parameter Stabilization	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
					Product Observed (yes/no)	N/A	Depth to product	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1500	0	19.60	521.9	2.47	-239.2	0.338	33.23	10.91	Clear	Clear	None
1505	625	19.60	515.8	2.52	-237.8	0.3354	32.71	10.90	Clear	Clear	None
1510	625	19.60	360.9	3.06	-184.3	0.2262	15.66	9.75	Clear	Clear	None
1515	625	19.70	341.7	2.77	-166.8	0.221	14.58	9.14	Clear	Clear	None
1520	625	19.60	365.6	2.99	-202.1	0.2392	14.74	10.26	Clear	Clear	None
1525	625	19.40	354.6	2.65	-186.2	0.2301	17.97	9.54	Clear	Clear	None
1530	625	19.30	338.7	2.53	-176.5	0.2203	17.35	9.27	Clear	Clear	None
1535	625	19.30	338.5	2.49	-173.4	0.2197	16.90	9.29	Clear	Clear	None
1540	625	19.00	337.7	2.53	-174.4	0.2197	17.54	9.36	Clear	Clear	None
1545	625	18.90	337.1	2.48	-174.0	0.2191	17.78	9.38	Clear	Clear	None
1550	625	18.80	336.5	2.51	-172.9	0.2191	17.99	9.36	Clear	Clear	None
1555	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	6250		no			Deployed New Tubing					
QA/QC Samples DUP335									Signature D. Abernathy 		



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

Station Name/Sample ID

OLF-G70

Project

McClellan

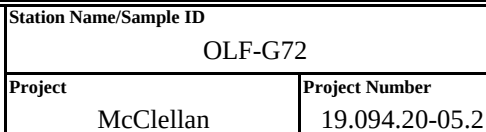
Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

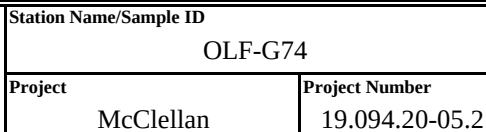
Groundwater Depth (TOC)	62.64	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	11/18/2019
Well Depth (TOC)	400	feet						
Water Column Thickness	337.36	feet	Equipment	Solinst Model 408 Double Valve Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	395
Casing Diameter	4	inches	Weather Conditions	Sunny	Meters	YSI Pro Plus #2 Geotech Water Level Meter	Serial numbers	
Casing Volume	219.28	gallons						
	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	Calibration	Field	Ferrous Iron (Fe II) (mg/L)	N/A
Well Elevation (TOC)	722.11	feet						
Groundwater Elevation	659.47	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
0945	0	18.10	349.7	3.69	126.3	0.2269	4.51	7.69	Clear	Clear	None
0950	500	18.10	348	3.30	116.3	0.2262	7.89	7.70	Clear	Clear	None
0955	500	18.20	346.8	3.03	92.4	0.2249	13.66	7.72	Clear	Clear	None
1000	500	18.30	346.1	2.85	72.5	0.2256	33.95	7.73	Clear	Clear	None
1005	500	18.40	345.9	2.75	64.9	0.2256	65.07	7.72	Cloudy	Clear	None
1010	500	18.50	346.3	2.65	61.6	0.2256	74.29	7.73	Cloudy	Clear	None
1015	500	18.20	347.1	2.57	57.8	0.2256	65.92	7.73	Cloudy	Clear	None
1020	500	18.20	346.9	2.51	54.3	0.2256	33.65	7.73	Clear	Clear	None
1025	500	18.30	347.1	2.45	48.7	0.2256	32.69	7.73	Clear	Clear	None
1030	500	18.30	346.8	2.39	44.6	0.2249	31.95	7.73	Clear	Clear	None
1035	500	18.30	346.6	2.35	43.1	0.2249	31.08	7.73	Clear	Clear	None
1045	Collect Sample Suite										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	5000		No								
QA/QC Samples DUP334									Signature D. Abernathy 		



Groundwater Depth (TOC)	Sample Method	Sampler	Date
N/A		J. Tulley	11/12/2019
Well Depth (TOC)	FLUTe well purge	Location (Site)	Begin Time
245		LF3	12:30
Water Column Thickness		Equipment Multi-level Port Well	Laboratory
N/A	TestAmerica		Sampled from Ports
		Sample Suite	
		See COCs	
Casing Diameter	Temperature (°F) 36°	Meters	Serial numbers
N/A		YSI Pro Plus	
Casing Volume	Weather Conditions	Solinst Water Level Meter	
N/A		Geotech Geocontrol PRO	
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	
747.03		11/12/2019	N/A
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
N/A		temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A

Page 1 of 1



Groundwater Depth (TOC)	Sample Method FLUTe well purge	Sampler J. Tulley	Date 11/11/2019	
N/A feet		Location (Site) LF3	Begin Time	
Well Depth (TOC)		Equipment Multi-level Port Well	Laboratory TestAmerica	Sample Depth Sampled from Ports
265 feet			Sample Suite See COCs	
Water Column Thickness				
N/A feet	Temperature (°F) 68°	Meters YSI Pro Plus	Serial numbers	
Casing Diameter	Weather Conditions Sunny	Solinst Water Level Meter		
N/A inches		Geotech Geocontrol PRO		
Casing Volume		Calibration Field	Ferrous Iron (Fe II) (mg/L)	
N/A 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	11/11/2019	N/A	
750.44 feet		Product Observed (yes/no) N/A	Depth to product N/A	
Groundwater Elevation				
N/A feet				

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	10:55	18.2	71.1	3.02	196.1	0.0462	1.19	6.35	Clear	Clear	None
Port 2	11:15	18.4	340.5	0.87	56.0	0.2217	1.21	6.09	Clear	Clear	None
Port 3	11:30	18.5	470.3	0.94	7.5	0.3055	1.12	7.07	Clear	Clear	None
Port 4	11:50	18.6	445.5	1.25	-73.4	0.2899	0.84	7.22	Clear	Clear	None
Port 5	12:10	19.1	434.8	0.90	-79.7	0.2827	2.23	7.29	Clear	Clear	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
N/A	N/A	Yes				N/A					

Signature

Page 1 of 1

Matrix ENVIRONMENTAL		Matrix Environmental Services 283 Rucker Street Anniston, AL 36205 (256) 847-0780		Station Name/Sample ID	
				OLF-G75 Screen 1	
		Project		Project Number	
		McClellan		19.094.20-05.2	

GROUNDWATER SAMPLING LOG					
Groundwater Depth (TOC)	Sample Method	Sampler	Date		
75.79 feet	Low Flow	D. Abernathy	11/13/2019		
Well Depth (TOC)		Location (Site)	Begin Time		
300.5 feet	Equipment Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	LF3	1110		
Water Column Thickness		Laboratory	Sample Depth		
224.71 feet		TestAmerica	90		
		Sample Suite			
		See COCs			
Casing Diameter	Temperature (°F)	Meters	Serial numbers		
2 inches	45	YSI Pro Plus #2			
Casing Volume	Weather Conditions	Geo Tech Water Level Meter			
35.95 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4					
Well Elevation (TOC)	Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)		
749.89 feet		Field			
Groundwater Elevation	Parameter Stabilization	11/13/2019	N/A		
674.1 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	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
1130	6000	9.10	29.4	5.36	174.2	0.0188	65.69	5.51	Cloudy	Clear	None
1135	550	8.30	28.5	5.34	192.9	0.0182	69.86	5.48	Cloudy	Clear	None
1140	550	8.30	27.7	5.25	194.5	0.0182	59.93	5.47	Cloudy	Clear	None
1145	550	8.30	27.3	5.18	197.6	0.0175	55.42	5.46	Cloudy	Clear	None
1150	550	8.90	27.4	5.22	199.6	0.0175	49.68	5.46	Cloudy	Clear	None
1155	550	9.30	27.3	5.19	202.9	0.0175	40.26	5.46	Cloudy	Clear	None
1200	550	9.30	27.2	5.17	206.2	0.0175	35.97	5.46	Clear	Clear	None
1205	550	9.70	27	5.13	209.5	0.0175	32.23	5.45	Clear	Clear	None
1210	550	10.10	26.9	5.10	210.7	0.0175	31.26	5.45	Clear	Clear	None
1215	550	9.90	26.9	5.11	212.4	0.0175	30.63	5.44	Clear	Clear	None
1220	Collect Sample Suite										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
50	10950	No		Purged 6000ml of water from tubing to begin collecting data							
QA/QC Samples									Signature		
N/A									D. Abernathy		



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G75 Screen 2

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
75.79 feet			
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
300.5 feet		LF3	0935
Water Column Thickness	Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Laboratory	Sample Depth
224.71 feet		TestAmerica	130
Casing Diameter	Temperature (°F)	Sample Suite	
2 inches		See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
35.95 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)	Sunny	Calibration	Ferrous Iron (Fe II) (mg/L)
749.89 feet		Field	
Groundwater Elevation	Parameter Stabilization	11/13/2019	N/A
674.1 feet		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
1000	6000	7.30	257.1	3.48	102.8	0.1703	80.43	6.91	Cloudy	Clear	None
1005	550	9.10	281.4	3.36	89.2	0.1356	75.69	6.76	Cloudy	Clear	None
1010	550	9.50	125.6	4.45	98.7	0.0878	65.54	6.51	Cloudy	Clear	None
1015	550	9.90	120.1	4.43	103.2	0.078	45.36	6.47	Clear	Clear	None
1020	550	10.60	128.6	4.48	109.6	0.0779	38.69	6.43	Clear	Clear	None
1025	550	11.30	137.6	4.42	114.3	0.0767	34.80	6.40	Clear	Clear	None
1030	550	10.90	136.8	4.50	112.9	0.0741	29.43	6.45	Clear	Clear	None
1035	550	10.60	137.9	4.40	113.6	0.0897	25.46	6.49	Clear	Clear	None
1040	550	10.80	135.1	4.35	111.3	0.0878	19.45	6.47	Clear	Clear	None
1045	550	11.00	133	4.30	109.9	0.0858	18.36	6.46	Clear	Clear	None
1050	550	10.80	129.7	4.28	108.2	0.0846	17.86	6.45	Clear	Clear	None

1055	Collect Sample Suite										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)		Notes							
55	11,500	No		Removed 6000 ml of water to purge tubing							

QA/QC Samples	Signature								D. Abernathy		



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G75 Screen 3

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 75.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/13/2019
Well Depth (TOC) 300.5 feet		Location (Site) LF3	Begin Time 0820
Water Column Thickness 224.71 feet	Equipment Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Laboratory TestAmerica	Sample Depth 170
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 35.95 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 26	Meters YSI Pro Plus #2 Geotech Water Level Met.	Serial numbers
Well Elevation (TOC) 749.89 feet	Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L)
Groundwater Elevation 674.1 feet		11/13/2019	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
0825	0	14.80	246.9	5.14	165.6	0.195	298.80	6.90	Cloudy	Brown	None
0830	625	14.40	424.8	3.87	146.8	0.2847	126.90	7.34	Cloudy	Brown	None
0835	625	14.60	448.3	3.43	140.3	0.2938	51.59	7.41	Clear	Clear	None
0840	625	14.70	452.3	3.00	132.6	0.2938	37.98	7.44	Clear	Clear	None
0845	625	14.60	453.9	2.60	125.7	0.2944	24.22	7.44	Clear	Clear	None
0850	625	14.10	454.1	2.36	119.8	0.2944	18.25	7.45	Clear	Clear	None
0855	625	14.30	454.4	2.04	106.1	0.2977	14.36	7.46	Clear	Clear	None
0900	625	14.30	454.6	1.99	102.6	0.2951	12.87	7.46	Clear	Clear	None
0905	625	14.50	453.7	1.85	94.3	0.2958	12.49	7.46	Clear	Clear	None
0910	625	14.60	454.4	1.77	89.5	0.2958	12.54	7.46	Clear	Clear	None
0915	625	14.50	454.8	1.73	86.3	0.2958	12.36	7.46	Clear	Clear	None
0920	Collect Sample Suite										
Total Time (min.) 55	Total Volume Removed 6250		Well pumped dry (yes/no) No			Notes Started Turbid and cleared quickly					
QA/QC Samples									Signature D. Abernathy 		



Matrix Environmental Services
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OLF-G75 Screen 4

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
75.79 feet		D. Abernathy	11/12/2019
Well Depth (TOC)		Location (Site)	Begin Time
300.5 feet		LF3	1420
Water Column Thickness	Equipment	Laboratory	Sample Depth
224.71 feet		TestAmerica	210
	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Sample Suite See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
2 inches		34	YSI Pro Plus #2
Casing Volume	Weather Conditions	Geotech Water level Met	
35.95 gallons			
1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Calibration	Ferrous Iron (Fe II) (mg/L)
		Field	
Well Elevation (TOC)	Sunny	11/12/2019	N/A
749.89 feet			
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
674.1 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
1435	6000	11.00	250.9	3.08	93.5	0.1631	445.90	6.84	Cloudy	Brown	None
1440	625	9.50	248.7	3.06	97.9	0.1612	398.50	6.83	Cloudy	Brown	None
1445	625	9.10	248.1	3.12	96.3	0.1612	325.60	6.83	Cloudy	Brown	None
1450	625	8.50	249.3	3.04	92.6	0.1625	275.60	6.83	Cloudy	Brown	None
1455	625	8.50	249.1	3.05	92.1	0.1625	236.40	6.83	Cloudy	Brown	None
1500	625	7.80	249.4	3.08	91.6	0.1625	197.20	6.83	Cloudy	Brown	None
1505	625	7.90	250.6	3.04	92.0	0.1625	175.90	6.84	Cloudy	Brown	None
1510	625	7.90	252.3	3.06	91.4	0.1644	156.80	6.85	Cloudy	Brown	None
1515	625	7.50	256.1	3.08	90.7	0.167	149.60	6.86	Cloudy	Brown	None
1520	625	7.30	259.8	3.10	90.5	0.1697	147.80	6.87	Cloudy	Brown	None
1525	625	7.30	261.2	3.06	90.0	0.1703	144.10	6.87	Cloudy	Brown	None

1530

Collect Sample Suite

Total Time (min.) 55	Total Volume Removed 12,250	Well pumped dry (yes/no) No	Notes Removed 6000ml of water to purge tubing.

QA/QC Samples

Signature

D. Abernathy



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283 Rucker Street
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Station Name/Sample ID

OLF-G75 Screen 5

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 75.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/12/2019
Well Depth (TOC) 300.5 feet		Location (Site) LF3	Begin Time 1200
Water Column Thickness 224.71 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 250
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 35.95 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions 30	Meters YSI Pro Plus	Serial numbers
Well Elevation (TOC) 749.89 feet	Weather Conditions Cloudy	Geotech Water Level Met Geotech Geocontrol PRO	
Groundwater Elevation 674.1 feet		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
1220	6000	4.70	453.5	0.98	78.7	0.2944	355.00	7.55	Cloudy	Brown	None
1235	1500	6.90	451.2	6.02	73.7	0.2934	485.90	7.55	Cloudy	Brown	None
1240	500	6.50	451.9	5.56	74.5	0.2919	519.50	7.53	Cloudy	Brown	None
1245	500	5.90	452.6	5.36	73.2	0.2919	550.60	7.53	Cloudy	Brown	None
1250	500	4.80	451.5	5.12	72.4	0.2925	578.50	7.53	Cloudy	Brown	None
1255	500	4.90	450.9	4.89	71.1	0.2919	515.20	7.52	Cloudy	Brown	None
1300	500	5.00	450.3	4.50	70.1	0.2925	479.10	7.52	Cloudy	Brown	None
1305	500	5.10	448.4	4.24	61.4	0.2919	469.50	7.52	Cloudy	Brown	None
1310	500	5.10	448.8	4.04	57.3	0.2919	625.60	7.52	Cloudy	Brown	None
1315	500	5.50	448.7	3.82	51.1	0.2919	778.90	7.51	Cloudy	Brown	None
1320	500	6.50	443.5	5.91	33.8	0.2886	632..8	7.51	Cloudy	Brown	None
1325	500	6.80	439.4	6.95	36.9	0.286	515.50	7.50	Cloudy	Brown	None
Total Time (min.) 100	Total Volume Removed 15500	Well pumped dry (yes/no) no				Notes Removed 6000 ml of water to purge tubing					
QA/QC Samples									Signature D. Abernathy 		



Matrix Environmental Services
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Station Name/Sample ID

OLF-G75 Screen 6

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 75.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 11/12/2019
Well Depth (TOC) 300.5 feet		Location (Site) LF3	Begin Time 0925
Water Column Thickness 224.71 feet	Equipment Solinst Double Valve	Laboratory TestAmerica	Sample Depth 290
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 35.95 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 32	Meters YSI Pro Plus #2	Serial numbers
Well Elevation (TOC) 749.89 feet		Geotech Water Level Meter Geotech Geocontrol PRO	
Groundwater Elevation 674.1 feet	Weather Conditions Sunny	Calibration Field 11/12/2019	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
0925	0	12.00	454.5	2.44	73.0	0.2977	38.87	7.46	Clear	Clear	None
0930	500	11.60	459.5	2.33	40.5	0.2983	156.80	7.47	Clear	Clear	None
0935	500	12.00	458.9	1.92	0.5	0.2983	228.00	7.47	Cloudy	Brown	None
0940	500	12.00	459.7	1.80	10.1	0.3003	247.60	7.48	Cloudy	Brown	None
0945	500	11.90	460.6	1.69	17.9	0.3003	279.80	7.48	Cloudy	Brown	None
0950	500	11.70	461.2	1.57	19.2	0.299	255.80	7.48	Cloudy	Brown	None
0955	500	11.90	460.6	1.56	22.3	0.299	223.70	7.48	Cloudy	Brown	None
1000	500	12.20	461.8	1.47	23.4	0.2996	185.90	7.48	Cloudy	Brown	None
1005	500	12.10	461.2	1.36	26.5	0.2996	134.90	7.48	Cloudy	Brown	None
1010	500	12.10	460.9	1.32	27.8	0.3003	145.80	7.48	Cloudy	Brown	None
1015	500	12.10	459.2	1.37	28.9	0.2996	152.80	7.48	Cloudy	Brown	None
1020	500	11.90	458.9	1.59	30.2	0.2983	157.00	7.48	Cloudy	Brown	None
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
95	9000		No			Fluctuating Turbity, Flow cell emptied and cleaned 3 times					
QA/QC Samples									Signature D. Abernathy 		



Matrix Environmental Services
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Station Name/Sample ID

OLF-G77

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 66.04 feet	Sample Method Low Flow	Sampler Jtulley	Date 11/20/2019
Well Depth (TOC) 84.5 feet		Location (Site) LF3	Begin Time 12:00
Water Column Thickness 18.46 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 79
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 80	Meters YSI Pro Plus	Serial numbers
Casing Volume 12.00 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) 747.04 feet		Calibration Field 11/20/2019	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 681 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
12:30	500	19.20	338.1	3.85	132.8	0.2197	2.53	5.95	Clear	Clear	None
12:35	500	19.00	339.3	2.67	133.0	0.2203	2.21	5.97	Clear	Clear	None
12:40	500	18.90	347.5	1.21	131.4	0.2262	2.06	6.02			
12:45	500	19.10	342.7	1.05	129.3	0.2229	1.99	6.05			
12:50	500	19.00	346.1	1.02	130.2	0.2249	1.19	6.06			
12:55	500	18.80	345.5	0.85	130.3	0.2249	0.91	6.06			
13:00	500	18.80	345.5	1.04	129.8	0.2248	1.01	6.05			
13:05	500	18.80	344.9	1.01	129.7	0.2247	1.10	6.05			
13:06	Collecting Sample										

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

QA/QC Samples	Signature



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283 Rucker Street
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Station Name/Sample ID

OLF-G78

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 73.88 feet	Sample Method Low Flow	Sampler Jtulley	Date 11/20/2019
Well Depth (TOC) 85 feet		Location (Site) LF3	Begin Time 10:15
Water Column Thickness 11.12 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 80
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 58	Meters YSI Pro Plus	Serial numbers
Casing Volume 7.23 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) 748.99 feet		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 675.11 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
10:45	0	20.10	83.8	3.23	178.4	0.0546	5.45	5.45	Clear	Clear	None
10:50	350	20.40	83.7	3.00	175.9	0.0546	4.05	5.49	Clear	Clear	None
10:55	350	20.30	83.9	3.06	176.8	0.0546	3.33	5.48	Clear	Clear	None
11:00	350	20.30	84.4	2.68	179.9	0.0553	3.79	5.46	Clear	Clear	None
11:05	350	20.20	85.4	2.92	176.2	0.0559	3.06	5.50	Clear	Clear	None
11:10	350	20.10	90.1	3.05	176.4	0.0591	2.19	5.50	Clear	Clear	None
11:15	350	20.20	91.7	3.11	175.3	0.0598	1.99	5.53	Clear	Clear	None
11:20	350	20.80	94.3	3.27	170.6	0.0611	1.27	5.57	Clear	Clear	None
11:25	350	20.90	94.5	3.37	171.6	0.0618	0.89	5.56	Clear	Clear	None
11:30	350	21.00	94.7	3.32	170.3	0.0618	1.09	5.57	Clear	Clear	None
11:31	Collected Sample Suite 9 11:20.19										

Total Time (min.) 45	Total Volume Removed 3150	Well pumped dry (yes/no) No	Notes

QA/QC Samples	Signature



Matrix Environmental Services
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Station Name/Sample ID

PPMP-229-GP12

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
32.51 feet			
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
168 feet		LF3	1420
Water Column Thickness	Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Laboratory	Sample Depth
135.49 feet		TestAmerica	161
Casing Diameter	Temperature (°F)	Sample Suite	
4 inches		See COCs	
Casing Volume	Weather Conditions	Meters	
88.07 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		YSI pro plus #2	
Well Elevation (TOC)	Sunny	Geo Tech Water Level Meter	
743.79 feet		Calibration	Ferrous Iron (Fe II) (mg/L)
Groundwater Elevation	Parameter Stabilization	Field	
711.28 feet		11/13/2019	N/A
	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	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
1420	0	16.10	254.5	2.24	99.5	0.1605	6.83	10.68	Clear	Clear	None
1425	625	16.20	248.4	1.39	54.6	0.1577	5.59	9.54	Clear	Clear	None
1430	625	16.20	243.8	0.75	25.9	0.1577	4.26	9.16	Clear	Clear	None
1435	625	16.30	237	0.43	9.6	0.1534	3.09	8.88	Clear	Clear	None
1440	625	16.50	227.2	1.05	-43.6	0.1443	3.75	9.68	Clear	Clear	None
1445	625	15.70	230.9	1.49	-85.4	0.1475	3.36	9.95	Clear	Clear	None
1450	625	15.20	235.8	1.75	-103.6	0.1534	4.96	10.45	Clear	Clear	None
1455	625	15.60	242	2.06	-122.9	0.1553	5.05	10.75	Clear	Clear	None
1500	625	15.80	237	1.99	-129.7	0.1547	4.75	10.70	Clear	Clear	None
1505	625	16.00	238.8	2.27	-80.1	0.154	4.25	10.72	Clear	Clear	None
1510	625	16.20	236.8	2.15	-88.4	0.1553	3.75	10.69	Clear	Clear	None
1515	625	15.90	234	1.99	-115.7	0.1521	3.89	10.64	Clear	Clear	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
115	14300	no				High pH					
QA/QC Samples									Signature D. Abernathy		



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

Project Name

McClellan Landfill 3 and FANWR

Project Number

19.094.20-05.2

GROUNDWATER LEVELS

Field Personnel

Tulley/Abernathy

Measuring Equipment

Solinst Water Level Meter

Date

5/14/2020

Conditions

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
LF4-MW01	4 inch	5/14/2020	9:08	11.85	40	28.15	DA
LF4-MW02	4 inch	5/14/2020	9:20	19.79	40.25	20.46	DA
LF4-MW03	4 inch	5/14/2020	9:27	13.16	34.2	21.04	DA
LF4-MW04	4 inch	5/14/2020	9:40	5.69	26.8	21.11	DA
LF4-MW05	4 inch	5/14/2020	9:55	11.10	34.6	23.5	DA
OLF-G04	4 inch	5/14/2020	11:12	39.37	60.5	21.13	DA
OLF-G05	4 inch	5/14/2020	11:35	33.80	60.4	26.6	DA
OLF-G06	4 inch	5/14/2020	11:28	63.79	72.58	8.79	DA
OLF-G07	4 inch	5/14/2020	13:00	41.24	62.5	21.26	JT
OLF-G08	4 inch	5/14/2020	11:40	30.79	45	14.21	DA
OLF-G09	4 inch	5/14/2020	11:05	23.64	32	8.36	DA
OLF-G10	4 inch	5/14/2020	10:50	13.91	28	14.09	DA
OLF-G12	4 inch	5/14/2020	8:45	59.88	87	27.12	JT
OLF-G16	4 inch	5/14/2020	12:12	34.31	37.45	3.14	DA
OLF-G17	4 inch	5/14/2020	11:50	21.62	42	20.38	DA
OLF-G18	4 inch	5/14/2020	9:15	37.92	58.3	20.38	JT
OLF-G19	4 inch	5/14/2020	8:50	46.30	68	21.7	JT
OLF-G20	4 inch	5/14/2020	12:00	51.25	175	123.75	DA
OLF-G21	4 inch	5/14/2020	9:10	49.94	175	125.06	JT
OLF-G22	4 inch	5/14/2020	8:40	61.20	175	113.8	JT
OLF-G23	4 inch	5/14/2020	8:20	58.64	175	116.36	JT
OLF-G24	4 inch	5/14/2020	8:25	59.51	95	35.49	JT
OLF-G25	4 inch	5/14/2020	8:55	50.63	175.5	124.87	JT
OLF-G26	4 inch	5/14/2020	9:00	58.52	100	41.48	JT



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

Project Name

McClellan

Project Number

19.094.20-05.2

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G27	4 inch	5/14/2020	12:30	79.05	300	220.95	DA
OLF-G28	4 inch	5/14/2020	12:40	65.27	150	84.73	DA
OLF-G29	4 inch	5/19/2020	12:45	84.29	222.5	138.21	JT
OLF-G30	4 inch	5/19/2020	12:40	85.17	297.2	212.03	JT
OLF-G31	4 inch	5/14/2020	10:20	97.63	225	127.37	JT
OLF-G32	4 inch	5/14/2020	10:15	107.36	182	74.64	JT
OLF-G35	4 inch	5/14/2020	8:15	58.70	260	201.3	JT
OLF-G36	4 inch	5/14/2020	8:35	60.60	258.8	198.2	JT
OLF-G37	4 inch	5/14/2020	9:40	76.85	204	127.15	JT
OLF-G40	2 inch	5/14/2020	9:15	13.55	125	111.45	DA
OLF-G41	2 inch	5/14/2020	10:43	16.80	85.7	68.9	DA
OLF-G42	2 inch	5/14/2020	11:08	63.64	174.5	110.86	DA
OLF-G43	2 inch	5/14/2020	8:00	86.17	220.6	134.43	JT
OLF-G44	2 inch	5/14/2020	8:05	90.03	295.1	205.07	JT
OLF-G45	2 inch	5/14/2020	8:15	32.99	182	149.01	DA
OLF-G46	2 inch	5/14/2020	8:10	35.98	250	214.02	DA
OLF-G47	2 inch	5/14/2020	7:45	56.70	322	265.3	JT
OLF-G48	2 inch	5/14/2020	7:50	43.87	405	361.13	JT
OLF-G49	2 inch	5/14/2020	10:55	73.31	110	36.69	JT
OLF-G50	2 inch	5/14/2020	11:00	74.11	159	84.89	JT
OLF-G51	2 inch	5/14/2020	11:05	71.33	259	N/A	JT
OLF-G52	2 inch	5/14/2020	7:40	57.51	377.5	319.99	JT
OLF-G53	2 inch	5/14/2020	8:51	35.56	88.5	52.94	DA
OLF-G54	2 inch	5/14/2020	9:03	12.08	37.22	25.14	DA
OLF-G55	2 inch	5/14/2020	8:59	19.61	80.4	60.79	DA
OLF-G56	2 inch	5/14/2020	10:04	19.58	40.5	20.92	DA
OLF-G57	2 inch	5/14/2020	10:09	19.89	65.4	45.51	DA



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

Project Name

McClellan

Project Number

19.094.20-05.2

GROUNDWATER LEVELS

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
OLF-G58	2 inch	5/14/2020	10:40	11.94	29	17.06	DA
OLF-G66	4 inch	5/14/2020	10:10	17.04	105	87.96	DA
OLF-G67	4 inch	5/14/2020	10:25	16.89	149	132.11	DA
OLF-G68	4 inch	5/14/2020	10:35	28.20	133	104.8	DA
OLF-G69	4 inch	5/14/2020	10:30	22.18	177.5	155.32	DA
OLF-G70	4 inch	5/14/2020	7:35	57.21	400	342.79	JT
OLF-G71 Port 1	FLUTe	5/14/2020	12:05	38.27	245	206.73	JT
OLF-G71 Port 2	FLUTe	5/14/2020	12:10	38.22	245	206.78	JT
OLF-G71 Port 3	FLUTe	5/14/2020	12:15	37.87	245	207.13	JT
OLF-G71 Port 4	FLUTe	5/14/2020	12:20	37.77	245	207.23	JT
OLF-G71 Port 5	FLUTe	5/14/2020	12:25	37.74	245	207.26	JT
OLF-G72 Port 1	FLUTe	5/14/2020	12:30	60.89	245	184.11	JT
OLF-G72 Port 2	FLUTe	5/14/2020	12:35	61.12	245	183.88	JT
OLF-G72 Port 3	FLUTe	5/14/2020	12:40	62.00	245	183	JT
OLF-G72 Port 4	FLUTe	5/14/2020	12:45	61.93	245	183.07	JT
OLF-G72 Port 5	FLUTe	5/14/2020	12:50	62.01	245	182.99	JT
OLF-G72 Port 6	FLUTe	5/14/2020	12:55	61.98	245	183.02	JT
OLF-G73 Port 1	FLUTe	5/14/2020	11:40	63.44	270	206.56	JT
OLF-G73 Port 2	FLUTe	5/14/2020	11:45	63.76	270	206.24	JT
OLF-G73 Port 3	FLUTe	5/14/2020	11:50	63.71	270	206.29	JT
OLF-G73 Port 4	FLUTe	5/14/2020	11:55	63.68	270	206.32	JT
OLF-G73 Port 5	FLUTe	5/14/2020	12:00	63.62	270	206.38	JT
OLF-G74 Port 1	FLUTe	5/14/2020	11:15	*	265	N/A	JT
OLF-G74 Port 2	FLUTe	5/14/2020	11:20	65.66	265	199.34	JT
OLF-G74 Port 3	FLUTe	5/14/2020	11:25	65.40	265	199.60	JT
OLF-G74 Port 4	FLUTe	5/14/2020	11:30	65.51	265	199.49	JT
OLF-G74 Port 5	FLUTe	5/14/2020	11:35	65.16	265	199.84	JT

*Unable to get water level due to obstruction.



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

Station Name/Sample ID

OLF-G12

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 62.03 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/29/2020
Well Depth (TOC) 87 feet		Location (Site) LF3	Begin Time 11:00
Water Column Thickness 24.97 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 80
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 80	Meters YSI Pro Plus#2	Serial numbers
Casing Volume 16.23 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) 745.43 feet		Calibration Field 5/29/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 683.4 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
11:20	0	24.30	95.7	5.96	170.8	0.0618	24.86	5.13	Clear	Clear	None
11:25	500	25.20	95.3	4.60	170.6	0.0618	22.09	5.11	Clear	Clear	None
11:30	500	24.90	94.5	4.24	167.0	0.0618	14.85	5.20	Clear	Clear	None
11:35	500	25.00	94	4.25	166.3	0.0618	7.09	5.22	Clear	Clear	None
11:40	500	24.00	91.5	4.30	170.3	0.0591	4.91	5.12	Cloudy	Clear	None
11:45	500	24.00	91	5.35	173.3	0.0591	5.95	5.09	Clear	Clear	None
11:50	500	26.40	89.4	4.24	165.3	0.0585	5.09	5.26	Clear	Clear	None
11:55	500	26.40	89.6	4.68	165.0	0.0585	4.04	5.27	Clear	Clear	None
12:00	500	26.50	89.6	5.03	165.4	0.0585	4.37	5.27	Clear	Clear	None
12:01	Collecting Sample Suite										

Total Time (min.) 40	Total Volume Removed 4000	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-G18

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 37.81 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/27/2020
Well Depth (TOC) 58 feet		Location (Site) LF3	Begin Time 1100
Water Column Thickness 20.19 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 52
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 13.12 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 71	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Met
Well Elevation (TOC) 741.6 feet		Weather Conditions light rain	Calibration Field 5/27/2020
Groundwater Elevation 703.79 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
1100	0	21.70	120.6	0.90	-23.5	0.0787	13.36	5.53	Clear	Clear	Sulfur-like
1105	375	22.90	119.9	1.35	-26.9	0.078	12.13	5.52	Clear	Clear	Sulfur-like
1110	375	22.40	119.7	1.13	-31.0	0.0774	22.83	5.52	Cloudy	Clear	Sulfur-like
1115	375	22.10	117.6	0.84	-33.4	0.0767	23.90	5.48	Cloudy	Clear	None
1120	250	23.10	116.2	0.65	-39.5	0.0754	16.14	5.50	Clear	Clear	None
1125	250	23.70	115.1	0.62	-45.3	0.0748	13.79	5.50	Clear	Clear	None
1130	250	23.90	114.8	0.59	-51.6	0.0748	12.36	5.50	Clear	Clear	None
1135	250	24.20	113.1	0.62	-57.2	0.0735	11.73	5.52	Clear	Clear	None
1140	250	24.20	111.2	0.56	-63.4	0.0722	11.62	5.51	Clear	Clear	None
1145	250	24.00	110.2	0.60	-65.1	0.0715	11.79	5.49	Clear	Clear	None
1150	250	23.90	109.5	0.59	-69.2	0.0715	12.04	5.49	Clear	Clear	None

1155

Collect Sample

Total Time (min.) 55	Total Volume Removed 2875	Well pumped dry (yes/no) no	Notes Slow Recharge

QA/QC Samples

Signature



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

Station Name/Sample ID

OLF-G19

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 46.03 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/27/2020
Well Depth (TOC) 68 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Location (Site) LF3	Begin Time 1400
Water Column Thickness 21.97 feet		Laboratory TestAmerica	Sample Depth 62
Casing Diameter 4 inches	Temperature (°F) 74	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Met
Casing Volume 14.28 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Calibration Field 5/27/2020	Ferrous Iron (Fe II) (mg/L) N/A
Well Elevation (TOC) 744.08 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
Groundwater Elevation 698.05 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
1410	0	23.80	85.3	7.78	25.2	0.0553	99.33	5.71	Cloudy	Brown	None
1415	375	23.50	72.1	7.56	36.5	0.0462	75.23	5.21	Cloudy	Brown	None
1420	375	23.10	60	7.32	54.1	0.0383	63.80	4.63	Cloudy	Brown	None
1425	375	22.30	57.2	6.68	40.4	0.037	41.38	4.83	Cloudy	Brown	None
1430	375	22.80	56.8	6.38	26.6	0.037	30.25	4.91	Clear	Clear	None
1435	375	22.70	56.6	6.18	20.9	0.037	25.95	4.94	Clear	Clear	None
1440	375	22.70	56.4	5.98	19.2	0.0364	26.34	4.96	Clear	Clear	None
1445	375	22.70	56.5	5.85	16.8	0.0364	26.97	4.98	Clear	Clear	None
1450	375	22.60	56.4	5.75	15.9	0.0364	26.12	4.99	Clear	Clear	None
1455	375	22.70	56.4	5.62	14.1	0.0364	25.55	4.99	Clear	Clear	None

1500

Collect Sample

Total Time (min.) 50	Total Volume Removed 3375	Well pumped dry (yes/no) No	Notes

QA/QC Samples

Signature



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

Station Name/Sample ID

OLF-G20

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 51.61 feet	Sample Method Low Flow	Sampler D.Abernathy	Date 5/28/2020
Well Depth (TOC) 175 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Location (Site) LF3	Begin Time 1245
Water Column Thickness 123.39 feet		Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches	Temperature (°F) 80	Meters YSI Pro Plus#2	Serial numbers Geotech Water Level Met
Casing Volume 80.20 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) 741.43 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 689.82 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
1250	0	22.30	683	2.56	-179.1	0.442	0.67	7.38	Clear	Clear	None
1255	625	21.80	689	4.10	-183.4	0.4485	0.41	7.30	Clear	Clear	None
1300	625	22.00	696	2.49	-190.2	0.455	0.21	7.21	Clear	Clear	None
1305	625	22.10	706	1.71	-195.1	0.4615	0.07	7.20	Clear	Clear	None
1310	625	22.00	715	1.41	-205.6	0.468	0.00	7.18	Clear	Clear	None
1315	625	22.10	717	1.28	-214.3	0.468	0.00	7.18	Clear	Clear	None
1320	625	22.30	716	1.17	-217.4	0.468	0.00	7.19	Clear	Clear	None
1325	625	22.40	719	1.20	-221.1	0.468	0.00	7.19	Clear	Clear	None
1330	625	22.50	718	1.19	-224.3	0.468	0.00	7.20	Clear	Clear	None
1335	Collect Sample										

Total Time (min.) 45	Total Volume Removed 5000	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-G21

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 51.47 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/27/2020
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 11:45
Water Column Thickness 123.53 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 162
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 75	Meters YSI Pro Plus	Serial numbers
Casing Volume 80.29 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) 742.57 feet		Calibration Field 5/27/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 691.1 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
12:35	0	20.60	494.2	0.55	-82.8	0.3211	5.14	7.58	Clear	Clear	None
12:40	600	20.50	492	0.50	-86.0	0.3198	4.14	7.46	Clear	Clear	None
12:45	600	20.70	491.6	0.40	-92.6	0.3192	3.98	7.39	Clear	Clear	None
12:50	600	20.80	490.3	0.54	-94.5	0.3192	3.86	7.36	Clear	Clear	None
12:55	600	20.50	490.1	0.95	-97.2	0.3192	2.09	7.30	Clear	Clear	None
13:00	600	20.50	490	0.98	-98.2	0.3192	3.01	7.31	Clear	Clear	None
13:05	600	20.50	490	1.12	-100.2	0.3185	1.98	7.31	Clear	Clear	None
13:10	600	20.70	489.1	1.09	-101.8	0.3185	2.27	7.30	Clear	Clear	None
13:15	600	20.60	489.5	1.03	-100.8	0.3185	2.97	7.31	Clear	Clear	None
13:16	Collecting Sample Suite										
5-27-20											
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	4800		No								
QA/QC Samples									Signature		
									J. Tulley		



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

Station Name/Sample ID

OLF-G22

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	61.8	feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/27/2020	
Well Depth (TOC)	175	feet			Location (Site)	Begin Time
Water Column Thickness	113.2	feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 162	
Casing Diameter	4	inches			Sample Suite See COCs	
Casing Volume	73.58	gallons	Weather Conditions Overcast	Meters YSI Pro Plus #2		Serial numbers
Well Elevation (TOC)	746.54	feet		Geotech Water Level Met		
Groundwater Elevation	684.74	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)
				5/27/2020		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
0915	0	20.60	346.4	6.60	55.8	0.2256	2.50	6.35	Clear	Clear	None
0920	500	20.50	367.4	6.46	46.1	0.2392	0.50	6.37	Clear	Clear	None
0925	500	20.40	390.4	6.22	29.3	0.2535	0.00	6.36	Clear	Clear	None
0930	500	20.60	392.1	6.02	15.2	0.2549	0.00	6.37	Clear	Clear	None
0935	500	20.60	394.2	5.84	9.4	0.2561	0.00	6.38	Clear	Clear	None
0940	500	20.80	394.1	5.45	-5.2	0.2561	0.00	6.39	Clear	Clear	None
0945	500	21.10	393.7	5.31	-14.4	0.2561	0.00	6.41	Clear	Clear	None
0950	500	21.00	393.4	5.18	-19.6	0.2561	0.00	6.40	Clear	Clear	None
0955	500	20.90	393.2	4.96	-23.8	0.2554	0.00	6.40	Clear	Clear	None
1000	500	20.90	393.1	4.86	-25.2	0.2554	0.00	6.39	Clear	Clear	None
1005	500	20.70	392.7	4.75	-26.4	0.2554	0.00	6.39	Clear	Clear	None

1010

Collect Sample

Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)	Notes
55	5000	No	checked turbidity on 2 machines, reading is correct

QA/QC Samples

Signature



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

Station Name/Sample ID

OLF-G23

Project

McClellan

Project Number

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 59.11 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/28/2020
Well Depth (TOC) 175 feet		Location (Site) LF3	Begin Time 1415
Water Column Thickness 115.89 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 162
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 75.33 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 83	Meters YSI Pro Plus #2 Solinst Water Level Meter	Serial numbers
Well Elevation (TOC) 743.89 feet	Weather Conditions Sunny	Calibration Field 5/26/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 684.78 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
1435	0	29.90	208.6	6.24	-114.1	0.1352	6.60	7.28	Clear	Clear	None
1440	375	29.20	158.7	5.91	-100.5	0.1027	3.33	7.12	Clear	Clear	None
1445	375	29.10	169.5	5.95	-68.4	0.1105	2.65	6.76	Clear	Clear	None
1450	375	29.60	223.8	5.89	-63.2	0.1508	1.26	6.49	Clear	Clear	None
1455	375	29.80	262.2	5.56	-59.9	0.1703	0.42	6.32	Clear	Clear	None
1500	375	29.90	305.7	5.09	-68.4	0.2028	0.45	6.21	Clear	Clear	None
1505	375	29.90	314.4	4.73	-82.3	0.2132	0.41	6.17	Clear	Clear	None
1510	375	28.90	327.7	4.32	-96.4	0.2132	0.46	6.14	Clear	Clear	None
1515	375	28.70	328.7	4.19	-99.7	0.2139	0.40	6.15	Clear	Clear	None
1520	375	29.00	329.7	4.08	-103.7	0.2145	0.38	6.15	Clear	Clear	None
1525	Collect Sample										

Total Time (min.) 50	Total Volume Removed 3375	Well pumped dry (yes/no) No	Notes

QA/QC Samples	Signature



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Station Name/Sample ID

OLF-G24

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 60 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/26/2020
Well Depth (TOC) 95 feet		Location (Site) LF3	Begin Time 0900
Water Column Thickness 35 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory TestAmerica	Sample Depth 87
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 22.75 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 73	Meters YSI Pro Plus#2	Serial numbers Geotech Water Level Met
Well Elevation (TOC) 743.89 feet		Weather Conditions Rain	Calibration Field 5/26/2020
Groundwater Elevation 683.89 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
0920	0	20.80	50.5	5.25	213.5	0.0319	41.12	4.60	Cloudy	Brown	None
0925	625	20.70	47.9	4.54	218.5	0.0305	28.64	4.59	Cloudy	Brown	None
0930	625	20.90	46.9	4.43	209.4	0.0305	15.00	4.72	Clear	Clear	None
0935	625	20.90	46.6	4.36	207.8	0.0305	16.44	4.85	Clear	Clear	None
0940	625	20.90	46.7	4.25	201.0	0.0305	17.25	4.92	Clear	Clear	None
0945	625	20.80	46.2	3.91	192.6	0.0305	18.56	5.03	Clear	Clear	None
0950	625	20.80	47.4	3.83	183.9	0.0305	19.93	5.09	Clear	Clear	None
0955	625	20.70	47.3	3.71	182.2	0.0305	20.10	5.08	Clear	Clear	None
1000	625	20.70	47.1	3.65	183.2	0.0305	19.54	5.08	Clear	Clear	None
1005	625	20.90	47.1	3.60	181.5	0.0305	19.76	5.08	Clear	Clear	None
1010	Collect Sample										

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

QA/QC Samples Dup 346	Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G26

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 58.56 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/20/2020
Well Depth (TOC) 100 feet		Location (Site) LF3	Begin Time 1230
Water Column Thickness 41.44 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory TestAmerica	Sample Depth 92
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 26.94 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 Met	Serial numbers
Well Elevation (TOC) 745.04 feet		Calibration Field 5/20/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 686.48 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
1245	0	24.70	199.8	2.46	61.9	0.13	2.25	6.15	Clear	Clear	None
1250	500	26.60	200.2	1.32	58.3	0.13	3.16	6.18	Clear	Clear	None
1255	500	26.80	200.5	0.88	57.1	0.13	4.29	6.17	Clear	Clear	None
1300	500	26.70	199.7	3.62	54.3	0.13	5.36	6.14	Clear	Clear	None
1305	500	26.70	200.1	4.53	50.2	0.13	5.75	6.13	Clear	Clear	None
1310	500	24.60	199.2	4.24	48.8	0.1293	6.15	6.13	Clear	Clear	None
1315	500	24.50	199	4.15	49.2	0.1293	6.33	6.11	Clear	Clear	None
1320	500	24.20	198.9	4.09	49.4	0.1293	6.25	6.10	Clear	Clear	None
1325	500	23.90	198.1	4.02	49.9	0.1293	6.13	6.10	Clear	Clear	None
1330	Collect Sample										

Total Time (min.) 45	Total Volume Removed 4000	Well pumped dry (yes/no) No	Notes

QA/QC Samples	Signature



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283 Rucker Street
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Station Name/Sample ID

OLF-G31

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 98.45 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/19/2020
Well Depth (TOC) 225 feet		Location (Site) LF3	Begin Time 1115
Water Column Thickness 126.55 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 82.26 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) 793.69 feet		Calibration Field 5/19/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 695.24 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
1120	0	17.90	256.6	2.85	115.3	0.1656	3.89	7.42	Clear	Clear	None
1125	500	18.20	284.2	2.13	42.5	0.1846	7.69	7.46	Clear	Clear	None
1130	500	18.40	323.2	1.62	-72.4	0.2139	9.36	7.48	Clear	Clear	None
1135	500	18.40	339.1	1.23	-122.3	0.2217	11.72	7.88	Clear	Clear	None
1140	500	18.40	343.1	1.08	-133.5	0.2229	9.65	7.90	Clear	Clear	None
1145	500	18.70	344.3	1.02	-134.4	0.2236	6.87	7.92	Clear	Clear	None
1150	500	18.60	344.7	1.04	-139.3	0.2243	4.25	7.94	Clear	Clear	None
1155	500	18.80	345.2	1.01	-142.9	0.2249	4.11	7.93	Clear	Clear	None
1200	500	19.00	346.2	0.97	-144.2	0.2243	3.89	7.94	Clear	Clear	None
1205	500	19.10	347.3	0.93	-146.3	0.2249	3.97	7.96	Clear	Clear	None
1210	Collect Sample										

Total Time (min.) 50	Total Volume Removed 4500	Well pumped dry (yes/no) No	Notes

QA/QC Samples N/A	Signature



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Station Name/Sample ID

OLF-G32

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 107.14 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/19/2020
Well Depth (TOC) 291 feet		Location (Site) LF3	Begin Time 0930
Water Column Thickness 183.86 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 281
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 119.51 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 Met	Serial numbers
Well Elevation (TOC) 793.41 feet		Calibration Field 5/19/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 686.27 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0940	0	17.10	199.5	3.62	102.1	0.1307	10.96	7.43	Clear	Clear	None
0945	500	17.40	209.7	3.56	94.7	0.1378	8.72	7.63	Clear	Clear	None
0950	500	17.30	216.2	3.52	86.1	0.1404	7.45	7.75	Clear	Clear	None
0955	500	17.30	216.9	3.51	84.3	0.1404	6.99	7.75	Clear	Clear	None
1000	500	17.30	215.6	3.48	82.1	0.1391	6.56	7.76	Clear	Clear	None
1005	500	17.30	214.1	3.46	80.7	0.1391	6.39	7.77	Clear	Clear	None
1010	500	17.40	214	3.40	78.5	0.1391	5.39	7.78	Clear	Clear	None
1015	500	17.60	213.8	3.30	74.3	0.1391	5.61	7.79	Clear	Clear	None
1020	500	17.80	213.7	3.31	71.2	0.1391	5.87	7.81	Clear	Clear	None
1025	500	17.90	213.5	3.33	69.0	0.1391	6.14	7.82	Clear	Clear	None

1030	Collect Sample										

Total Time (min.) 50	Total Volume Removed 4500	Well pumped dry (yes/no) No	Notes

QA/QC Samples Dup 348	Signature



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Station Name/Sample ID

OLF-G35

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 58.7 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/26/2020
Well Depth (TOC) 260 feet		Location (Site) LF3	Begin Time 13:15
Water Column Thickness 201.3 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 250
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 75	Meters YSI Pro Plus	Serial numbers
Casing Volume 130.85 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Rain	Solinst Water Level Meter Geotech Geocontrol PRO	
Well Elevation (TOC) 742.82 feet		Calibration Field 5/25/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 684.12 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
14:15	0	22.60	129.2	4.50	85.6	0.0838	20.08	7.03	Clear	Clear	None
14:20	375	22.70	123.1	1.80	-23.9	0.08	19.74	7.25	Clear	Clear	None
14:25	375	22.50	123.4	1.66	-34.7	0.08	17.52	7.25	Clear	Clear	None
14:30	375	22.50	123.2	1.45	-38.7	0.08	14.01	7.22	Clear	Clear	None
14:35	375	22.60	123.3	1.41	-41.7	0.08	5.95	7.22	Clear	Clear	None
14:40	375	22.20	123.5	1.23	-51.2	0.08	7.03	7.20	Clear	Clear	None
14:45	375	22.10	123.5	1.20	-52.4	0.0806	4.92	7.18	Clear	Clear	None
14:50	375	21.70	123.4	1.04	-56.2	0.08	2.99	7.12	Clear	Clear	None
14:55	375	21.60	123.1	0.89	-65.8	0.08	3.21	7.08	Clear	Clear	None
15:00	375	21.80	123.2	0.83	-66.1	0.08	2.01	7.09	Clear	Clear	None
15:05	375	21.70	123.3	0.82	-66.4	0.08	2.48	7.09	Clear	Clear	None
15:06	Collecting Sample Suite										
Total Time (min.) 50	Total Volume Removed 3750	Well pumped dry (yes/no) No		Notes							
QA/QC Samples									Signature 		



Matrix Environmental Services
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Station Name/Sample ID

OLF-G36

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)		Sample Method	Sampler	Date
60.6		Low Flow	J. Tulley	5/27/2020
	feet		Location (Site)	Begin Time
Well Depth (TOC)		Equipment	LF3	09:00
258.8			Laboratory	Sample Depth
	feet		TestAmerica	250
Water Column Thickness		Geotech Bladder Pump	Sample Suite	
198.2			See COCs	
	feet			
Casing Diameter		Temperature (°F)	Meters	Serial numbers
4		72	YSI Pro Plus	
	inches		Solinst Water Level Meter	
Casing Volume		Weather Conditions	Geotech Geocontrol PRO	
128.83			Calibration	Ferrous Iron (Fe II) (mg/L)
	gallons		Field	
	1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Overcast		
Well Elevation (TOC)				
746.09			5/27/2020	N/A
	feet			
Groundwater Elevation		Parameter Stabilization	Product Observed (yes/no)	Depth to product
685.49		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
10:10	0	21.00	180.1	2.51	-57.7	0.1157	11.80	9.16	Clear	Clear	None
10:15	500	20.60	256.7	4.54	-65.8	0.167	13.84	9.11	Clear	Clear	None
10:20	500	20.30	434.1	3.27	-48.0	0.2827	12.09	7.92	Clear	Clear	None
10:25	500	20.30	450.1	2.63	-12.4	0.2925	9.98	7.73	Clear	Clear	None
10:30	500	20.30	450.2	2.29	10.5	0.2925	10.52	7.65	Clear	Clear	None
10:35	500	20.30	449.6	2.12	27.6	0.2925	10.02	7.60	Clear	Clear	None
10:40	500	20.40	448.4	5.58	31.9	0.2919	10.99	7.57	Clear	Clear	None
10:45	500	20.40	449.3	5.79	31.5	0.2919	9.49	7.56	Clear	Clear	None
10:50	500	20.40	449.3	4.84	31.4	0.2919	10.48	7.56	Clear	Clear	None
10:51	Collecting Sample Suite										
	7.2										
	5.27.20										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	4000		No								
QA/QC Samples									Signature		
									J. C. Z		



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

OLF-G42

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 64.18 feet	Sample Method Low Flow	Sampler D.Abernathy	Date 5/28/2020
Well Depth (TOC) 174.5 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Location (Site) LF3	Begin Time 1045
Water Column Thickness 110.32 feet		Laboratory TestAmerica	Sample Depth 164
Casing Diameter 4 inches	Temperature (°F) 80	Meters YSI Pro Plus#2	Serial numbers Geotech Water Level Met
Casing Volume 71.71 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) 746.2 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
Groundwater Elevation 682.02 feet			

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1100	0	22.90	490.3	3.06	-89.1	0.299	20.29	7.72	Clear	Clear	None
1105	625	22.60	452.2	2.93	-114.3	0.2958	14.26	7.70	Clear	Clear	None
1110	625	22.00	455.6	3.56	-146.2	0.2944	10.69	7.68	Clear	Clear	None
1115	625	22.20	457.1	4.29	-170.0	0.2977	8.23	7.70	Clear	Clear	None
1120	625	21.80	457	4.59	-170.7	0.2964	6.46	7.68	Clear	Clear	None
1125	625	20.90	453.4	4.91	-165.9	0.2951	4.99	7.67	Clear	Clear	None
1130	625	21.00	452.1	5.05	-159.6	0.2938	3.52	7.66	Clear	Clear	None
1135	625	21.00	451.8	5.16	-158.2	0.2938	3.36	7.67	Clear	Clear	None
1140	625	21.10	451.1	5.22	-157.0	0.2931	3.28	7.68	Clear	Clear	None
1145	Collect Sample										

Total Time (min.) 45	Total Volume Removed 5000	Well pumped dry (yes/no) no	Notes

QA/QC Samples MS/MSD	Signature



Matrix Environmental Services
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Station Name/Sample ID

OLF-G43

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	86.45	feet	Sample Method	Low Flow	Sampler	D. Abernathy	Date	5/20/2020
Well Depth (TOC)	220.6	feet						
Water Column Thickness	134.15	feet	Equipment	Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory	TestAmerica	Sample Depth	213
Casing Diameter	4	inches						
Casing Volume	87.20	gallons	Weather Conditions	Overcast	Meters	YSI Pro Plus #2 Geotech Water Level Met	Serial numbers	
Well Elevation (TOC)	761.05	feet						
Groundwater Elevation	674.6	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
0930	0	20.20	146.1	2.99	23.6	0.1014	6.76	6.17	Clear	Clear	None
0935	500	20.20	176	4.08	61.6	0.1144	7.41	6.29	Clear	Clear	None
0940	500	20.10	204.2	4.04	85.5	0.1339	4.64	6.50	Clear	Clear	None
0945	500	20.20	209.6	4.26	89.7	0.1355	3.64	6.56	Clear	Clear	None
0950	500	20.20	212.2	4.46	93.1	0.1378	2.86	6.60	Clear	Clear	None
0955	500	20.10	213.1	4.25	97.0	0.1385	2.07	6.62	Clear	Clear	None
1000	500	20.10	213.6	4.16	98.1	0.1385	1.65	6.63	Clear	Clear	None
1005	500	20.10	213.9	4.14	99.3	0.1391	0.94	6.65	Clear	Clear	None
1010	500	20.00	213.8	4.13	98.9	0.1391	0.49	6.64	Clear	Clear	None
1015	500	20.00	214.1	4.14	99.3	0.1391	0.38	6.65	Clear	Clear	None
1020	500	20.00	214.4	4.15	99.5	0.1391	0.45	6.65	Clear	Clear	None

1025 Collect Sample

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

QA/QC Samples Dup 347 Signature



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

OLF-G47

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 56.7 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/26/2020
Well Depth (TOC) 322 feet		Location (Site) LF3	Begin Time 11:00
Water Column Thickness 265.3 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 303
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 74	Meters YSI Pro Plus	Serial numbers
Casing Volume 172.45 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Rain	Solinst Water Level Meter Geotech Geocontrol PRO	
Well Elevation (TOC) 717.46 feet		Calibration Field 5-26:20	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 660.76 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
11:30	0	22.30	324.1	6.84	101.1	0.1371	24.08	8.50	Clear	Clear	None
11:35	500	21.90	282.2	7.39	96.7	0.1014	22.24	8.35	Clear	Clear	None
11:40	500	22.00	110.2	6.04	53.7	0.0637	14.58	8.25	Clear	Clear	None
11:45	500	22.20	65.6	6.83	11.9	0.0663	13.84	7.90	Clear	Clear	None
11:50	500	22.10	83.7	5.66	7.9	0.0097	2.29	7.63	Clear	Clear	None
11:55	500	22.00	77.8	4.87	33.0	0.0293	3.03	7.45	Clear	Clear	None
12:00	500	22.00	72.8	5.81	21.2	0.0293	2.44	7.07	Clear	Clear	None
12:05	500	22.10	72.3	4.97	24.3	0.0293	2.06	7.08	Clear	Clear	None
12:10	500	22.00	71.9	4.45	23.4	0.0292	2.48	7.08	Clear	Clear	None
12:11	Collecting Sample Suite										
						5.26.20					

Total Time (min.) 40	Total Volume Removed 4000	Well pumped dry (yes/no) No	Notes
QA/QC Samples			Signature



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Station Name/Sample ID

OLF-G48

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 43.87 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/26/2020
Well Depth (TOC) 405 feet		Location (Site) LF3	Begin Time 8:30
Water Column Thickness 361.13 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 395
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 72	Meters YSI Pro Plus	Serial numbers
Casing Volume 234.73 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) 717.63 feet		Calibration Field 5/26/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 673.76 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
9:20	0	20.90	123.5	2.34	1.0	0.0793	10.56	6.95	Clear	Clear	None
9:25	500	21.00	119.7	1.96	-17.9	0.078	11.09	6.93	Clear	Clear	None
9:30	500	21.10	138	1.66	-39.6	0.0923	9.09	6.87	Clear	Clear	None
9:35	500	21.20	263.3	2.43	-49.8	0.1775	8.56	7.12	Clear	Clear	None
9:40	500	21.20	341.8	2.94	-2.3	0.2229	7.19	7.52	Clear	Clear	None
9:45	500	21.00	343.1	2.49	9.6	0.2236	6.09	7.52	Clear	Clear	None
9:50	500	20.90	345.5	2.68	46.7	0.2243	4.74	7.64	Clear	Clear	None
9:55	500	21.20	345.2	3.02	53.3	0.2249	5.55	7.71	Clear	Clear	None
10:00	500	21.10	344.9	3.39	54.7	0.2244	5.19	7.72	Clear	Clear	None
10:05	500	21.60	344.9	2.98	54.9	0.2243	5.01	7.73	Clear	Clear	None
10:06	Collecting Sample Suite										
	5:26:20										

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

QA/QC Samples	Signature 9-2



Matrix Environmental Services
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Station Name/Sample ID

OLF-G49

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 73.31 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/20/2020
Well Depth (TOC) 110 feet		Location (Site) LF3	Begin Time 8:15
Water Column Thickness 36.69 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 100
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 64	Meters YSI Pro Plus	Serial numbers
Casing Volume 23.85 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) 753.3 feet		Calibration Field 5/20/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 679.99 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
9:00	0	19.60	83.8	7.39	157.3	0.0539	138.40	7.21	Cloudy	Brown	None
9:05	500	18.30	79.6	4.13	233.6	0.052	113.10	5.03	Cloudy	Brown	None
9:10	500	18.20	77.9	3.95	232.7	0.0507	84.12	5.07	Cloudy	Brown	None
9:15	500	18.20	77.6	4.43	237.1	0.0507	47.98	5.06	Cloudy	Clear	None
9:20	500	18.20	76.3	4.80	237.1	0.0494	49.02	5.09	Cloudy	Clear	None
9:25	500	18.30	75.1	4.15	233.9	0.0488	48.01	5.12	Cloudy	Clear	None
9:30	500	18.30	75.1	4.17	233.7	0.0488	47.95	5.14	Cloudy	Clear	None
9:35	500	18.20	75	4.16	233.2	0.0488	48.88	5.12	Cloudy	Clear	None
9:40	500	18.30	74.8	4.14	233.5	0.0488	48.64	5.13	Cloudy	Clear	None
9:41	Collecting Sample Suite										
5-5-20-20											
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
40	4000		No								
QA/QC Samples									Signature		
									J. Tulley		



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OLF-G50

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 74.11 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/20/2020
Well Depth (TOC) 159 feet		Location (Site) LF3	Begin Time 10:15
Water Column Thickness 84.89 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 149
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 68	Meters YSI Pro Plus	Serial numbers
Casing Volume 55.18 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 5/20/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 679.51 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
11:05	0	20.20	135.5	4.32	162.8	0.0884	27.01	6.17	Clear	Clear	None
11:10	500	20.10	179.9	3.96	169.0	0.117	23.05	5.99	Clear	Clear	None
11:15	500	20.60	190	4.25	159.8	0.1235	22.04	6.17	Clear	Clear	None
11:20	500	19.30	222.7	8.19	172.7	0.1456	17.86	6.05	Clear	Clear	None
11:25	500	17.90	198.1	5.49	177.7	0.1267	22.14	5.95	Clear	Clear	None
11:30	500	18.00	194.8	6.48	178.5	0.1241	23.08	6.02	Clear	Clear	None
11:35	500	18.20	171.5	7.31	179.4	0.1112	23.33	6.13	Clear	Clear	None
11:40	500	18.40	169.2	7.71	175.7	0.1099	21.45	6.18	Clear	Clear	None
11:45	500	18.30	169.1	7.56	178.7	0.1099	21.01	6.16	Clear	Clear	None
11:50	500	18.20	168.9	7.79	179.1	0.1098	22.76	6.16	Clear	Clear	None
11:51	~~Collecting Sample Suite~~										
<del></del>											
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	4500		No								
QA/QC Samples									Signature 		



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Station Name/Sample ID

OLF-G51

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 71.33 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/20/2020
Well Depth (TOC) 259 feet		Location (Site) LF3	Begin Time 13:05
Water Column Thickness 187.67 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 249
		Sample Suite See COCs	
Casing Diameter 4 inches	Temperature (°F) 72	Meters YSI Pro Plus	Serial numbers
Casing Volume 121.99 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) 753.69 feet		Calibration Field 5/20/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 682.36 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	20.20	200.3	8.69	117.2	0.1313	24.85	6.83	Clear	Clear	None
14:40	750	18.90	276.2	3.00	120.2	0.1989	11.22	6.65	Clear	Clear	None
14:45	750	19.10	322.2	3.31	119.4	0.2119	14.86	6.77	Clear	Clear	None
14:50	750	18.90	331.4	3.82	121.7	0.2158	12.09	6.81	Clear	Clear	None
14:55	750	18.90	332	3.79	123.7	0.2165	8.94	6.87	Clear	Clear	None
15:00	750	19.00	331.9	4.34	125.2	0.2158	8.02	6.90	Clear	Clear	None
15:05	750	18.90	332.9	4.38	123.8	0.2165	7.94	6.91	Clear	Clear	None
15:10	750	18.90	332	4.43	124.2	0.2165	8.24	6.91	Clear	Clear	None
15:11	Collecting Sample Suite										
	9-2										
	5.20.20										

Total Time (min.) 35	Total Volume Removed 5250	Well pumped dry (yes/no) No	Notes

QA/QC Samples	Signature 9-2



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Station Name/Sample ID

OLF-G52

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 57.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/19/2020
Well Depth (TOC) 377.5 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Location (Site) LF3	Begin Time 1515
Water Column Thickness 319.71 feet		Laboratory TestAmerica	Sample Depth 367
Casing Diameter 4 inches	Temperature (°F) 72	Meters YSI pro plus#2	Serial numbers Geotech Water Level Met
Casing Volume 207.81 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Calibration Field 5/19/2020	Ferrous Iron (Fe II) (mg/L) N/A
Well Elevation (TOC) 723.83 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 666.04 feet			

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1530	0	21.00	336.7	1.75	-157.7	0.2191	4.37	9.65	Clear	Clear	None
1535	750	20.90	344.1	1.91	-123.4	0.2236	6.31	8.29	Clear	Clear	None
1540	750	21.10	344.6	2.15	-115.9	0.2243	8.29	8.14	Clear	Clear	None
1545	750	21.10	344.7	1.83	-111.1	0.2236	9.65	8.11	Clear	Clear	None
1550	750	20.70	344	1.84	-113.8	0.2236	11.25	8.23	Clear	Clear	None
1555	750	20.40	339.9	1.86	-120.8	0.221	12.36	8.58	Clear	Clear	None
1600	750	20.40	337.6	1.75	-127.0	0.2191	14.69	8.77	Clear	Clear	None
1605	750	21.20	336.9	1.71	-128.7	0.2191	14.15	8.88	Clear	Clear	None
1610	750	21.50	336.2	1.67	-130.5	0.2184	13.55	8.94	Clear	Clear	None
1615	750	21.30	335	1.53	-130.7	0.2178	13.27	8.95	Clear	Clear	None
1620	750	21.20	334.8	1.58	-129.6	0.2178	12.95	8.85	Clear	Clear	None
1625	750	20.90	334.9	1.56	-128.5	0.2178	12.40	8.79	Clear	Clear	None

Total Time (min.) 85	Total Volume Removed 12000	Well pumped dry (yes/no) No	Notes continued on page 2

QA/QC Samples	Signature



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283 Rucker Street
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Station Name/Sample ID

OLF-G70

Project

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Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 57.49 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/19/2020
Well Depth (TOC) 400 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Location (Site) LF3	Begin Time 1315
Water Column Thickness 342.51 feet		Laboratory TestAmerica	Sample Depth 295
Casing Diameter 4 inches	Temperature (°F) 72	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Mrter
Casing Volume 222.63 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) 722.11 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 664.62 feet			

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1330	0	20.30	342.1	3.46	27.2	0.2217	4.09	7.78	Clear	Clear	None
1335	500	20.40	340.4	3.11	20.3	0.2217	6.07	7.77	Clear	Clear	None
1340	500	20.40	340.1	2.93	21.2	0.2217	7.59	7.77	Clear	Clear	None
1345	500	20.10	340.9	2.93	22.8	0.2217	13.98	7.75	Clear	Clear	None
1350	500	20.00	340.2	2.78	23.8	0.221	10.94	7.75	Clear	Clear	None
1355	500	20.10	340	2.68	25.6	0.221	8.36	7.74	Clear	Clear	None
1400	500	20.10	339.7	2.63	23.4	0.221	5.75	7.76	Clear	Clear	None
1405	500	20.60	339.3	2.58	15.6	0.2203	4.56	7.75	Clear	Clear	None
1410	500	21.00	340.1	2.53	7.5	0.221	3.95	7.77	Clear	Clear	None
1415	500	21.30	340.5	2.54	3.0	0.2217	3.79	7.79	Clear	Clear	None
1420	500	21.00	340.3	2.54	4.6	0.221	3.72	7.78	Clear	Clear	None

1425

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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Station Name/Sample ID

OLF-G72

Project

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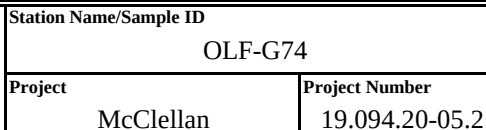
Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) N/A feet	Sample Method FLUTE well purge	Sampler J. Tulley	Date 5/19/2020
Well Depth (TOC) 245 feet		Location (Site) LF3	Begin Time 13:00
Water Column Thickness N/A feet	Equipment Multi-level Port Well	Laboratory TestAmerica	Sample Depth Sampled from Ports
Casing Diameter N/A inches		Sample Suite See COCs	
Casing Volume N/A gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 78°	Meters YSI Pro Plus	Serial numbers
Well Elevation (TOC) 747.03 feet		Solinst Water Level Meter	
Groundwater Elevation N/A 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	5/19/2020	
		Product Observed (yes/no) N/A	Depth to product N/A

Well Port	Sample Time	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
Port 1	14:30	21.30	1037	1.20	-108.6	0.6760	7.49	6.88	Clear	Clear	None
Port 2	15:10	22.40	1172	0.75	-86.6	0.7605	3.98	6.73	Bubbly	Clear	None
Port 3	15:30	21.50	688	0.41	-72.5	0.4485	1.55	7.21	Clear	Clear	None
Port 4	15:55	23.60	1054	1.38	-73.6	0.6825	14.72	6.80	Bubbly	Clear	None
Port 5	16:20	21.80	454.8	0.81	-84.1	0.2958	5.56	7.03	Clear	Clear	None
Port 6	16:40	22.60	451.3	1.42	-41.4	0.2931	2.90	7.02	Clear	Clear	None
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
N/A	N/A	Yes				Port 2 was sprite like with small, red flakes. Port 4 was sprite like.					
QA/QC Samples									Signature		
MS/MSD on OLF-G72 Port 1											



Groundwater Depth (TOC)	Sample Method FLUTe well purge	Sampler J. Tulley	Date 5/18/2020	
N/A feet		Location (Site) LF3	Begin Time 12:54	
Well Depth (TOC)		Equipment Multi-level Port Well	Laboratory TestAmerica	Sample Depth Sampled from Ports
265 feet			Sample Suite See COCs	
Water Column Thickness				
N/A feet	Temperature (°F) 79°	Meters YSI Pro Plus	Serial numbers	
Casing Diameter		Solinst Water Level Meter		
N/A inches		Geotech Geocontrol PRO		
Casing Volume		Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L)
N/A 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	5/18/2020	N/A	
750.44 feet				
Groundwater Elevation		Product Observed (yes/no) N/A	Depth to product N/A	
N/A feet				

Page 1 of 1



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

Station Name/Sample ID

OLF-G75 Screen 1

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 64.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2020
Well Depth (TOC) 300.5 feet	Equipment Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Location (Site) LF3	Begin Time 1545
Water Column Thickness 235.71 feet		Laboratory TestAmerica	Sample Depth 90
Casing Diameter 2 inches	Temperature (°F) 81	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Met
Casing Volume 37.71 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast, Scattered Showers	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
Well Elevation (TOC) 749.89 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 685.1 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
1600	1250	21.90	49.9	6.50	165.8	0.0325	89.19	5.76	Cloudy	White	None
1605	500	21.50	32.7	6.20	215.0	0.0215	62.15	5.26	Cloudy	White	None
1610	500	21.60	31.3	5.81	224.4	0.0195	56.09	5.29	Cloudy	White	None
1615	500	23.10	30.4	5.43	221.1	0.0195	54.16	5.25	Cloudy	White	None
1620	500	23.20	30.3	5.36	219.8	0.0195	55.09	5.26	Cloudy	White	None
1625	500	23.00	30.3	5.22	223.2	0.0195	56.98	5.23	Cloudy	White	None
1630	500	22.70	30.3	5.15	227.6	0.0195	53.69	5.21	Cloudy	White	None
1635	500	22.50	30.2	5.10	230.7	0.0195	49.68	5.15	Cloudy	White	None
1640	500	22.90	30.3	5.13	235.2	0.0195	46.75	5.12	Cloudy	White	None
1645	500	23.10	30.4	5.09	233.1	0.0195	44.47	5.13	Cloudy	White	None
1650	500	23.20	30.5	5.03	231.1	0.0195	42.32	5.15	Cloudy	White	None

1655

Collect Sample

Total Time (min.) 55	Total Volume Removed 5000	Well pumped dry (yes/no) No	Notes purged 1250 ml of water before collecting data

QA/QC Samples

N/A

Signature



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

Station Name/Sample ID

OLF-G75 Screen 2

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 64.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2020
Well Depth (TOC) 300.5 feet		Location (Site) LF3	Begin Time 1430
Water Column Thickness 235.71 feet	Equipment Solinst Model 408 Double Valve Pump Geotech Geocontrol Pro	Laboratory TestAmerica	Sample Depth 130
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 37.71 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 Met	Serial numbers
Well Elevation (TOC) 749.89 feet		Calibration Field 5/18/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 685.1 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
1450	1250	24.60	321.6	1.75	57.9	0.2093	54.67	7.23	Cloudy	White	None
1455	500	24.80	355.9	1.65	53.4	0.2379	59.39	7.28	Cloudy	White	None
1500	500	25.40	421.3	1.35	42.0	0.2743	45.36	7.46	Cloudy	White	None
1505	500	23.90	438.6	1.27	38.8	0.2847	29.54	7.52	Cloudy	White	None
1510	500	23.50	439.2	1.24	39.1	0.2847	15.39	7.52	Clear	Clear	None
1515	500	23.10	438.9	1.26	39.6	0.2854	9.86	7.52	Clear	Clear	None
1520	500	23.00	439.4	1.20	41.2	0.2854	9.55	7.52	Clear	Clear	None
1525	500	23.00	440.2	1.16	41.4	0.286	9.20	7.53	Clear	Clear	None
1530	500	23.10	440.7	1.17	41.3	0.2867	9.29	7.53	Clear	Clear	None
1535	Collect Sample										

Total Time (min.) 45	Total Volume Removed 5250	Well pumped dry (yes/no) no	Notes purged 1250ml of water before collecting data

QA/QC Samples	Signature



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

Station Name/Sample ID

OLF-G75 Screen 3

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 64.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2020
Well Depth (TOC) 300.5 feet		Location (Site) LF3	Begin Time 1330
Water Column Thickness 235.71 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 170
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 37.71 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 5/18/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 685.1 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
1330	0	22.50	130.5	7.41	115.6	0.1506	38.69	7.22	Cloudy	White	None
1335	500	19.70	325.6	8.75	111.0	0.156	45.73	7.22	Cloudy	White	None
1340	500	19.70	420.7	8.19	75.7	0.2763	65.30	7.46	Cloudy	White	None
1345	500	19.60	405.6	7.85	67.1	0.2646	59.76	7.39	Cloudy	White	None
1350	500	19.70	411.5	4.59	60.3	0.2699	39.62	7.42	Cloudy	White	None
1355	500	19.80	421.1	2.71	53.6	0.2763	25.86	7.46	Cloudy	White	None
1400	500	19.50	429.6	2.45	45.3	0.2818	21.19	7.49	Clear	Clear	None
1405	500	19.10	439	2.06	36.2	0.286	15.32	7.52	Clear	Clear	None
1410	500	18.90	438	1.89	35.3	0.2854	9.98	7.50	Clear	Clear	None
1415	500	19.00	439.7	1.79	32.2	0.2854	9.56	7.53	Clear	Clear	None
1420	500	19.10	439.9	1.68	29.2	0.286	9.44	7.54	Clear	Clear	None

1425

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
(256) 847-0780

Station Name/Sample ID

OLF-G75 Screen 4

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 64.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2020
Well Depth (TOC) 300.5 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Location (Site) LF3	Begin Time 1200
Water Column Thickness 235.71 feet		Laboratory TestAmerica	Sample Depth 210
Casing Diameter 2 inches	Temperature (°F) 79	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Meter
Casing Volume 37.71 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) 749.89 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 685.1 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
1215	1250	23.30	442.6	0.89	41.4	0.2879	2.62	7.54	Clear	Clear	None
1220	500	25.00	442.1	0.83	30.8	0.2899	2.50	7.56	Clear	Clear	None
1225	500	27.60	429.6	1.59	34.1	0.2769	22.36	7.53	Cloudy	White	None
1230	500	29.70	405.9	2.67	38.0	0.2633	34.39	7.50	Cloudy	White	None
1235	500	29.50	392.6	2.46	39.2	0.2593	28.54	7.49	Cloudy	White	None
1240	500	29.90	429.6	2.04	29.2	0.2841	24.29	7.53	Clear	Clear	None
1245	500	30.30	438.5	2.15	19.5	0.2867	21.23	7.53	Clear	Clear	None
1250	500	29.90	449	2.24	14.4	0.2925	15.28	7.54	Clear	Clear	None
1255	500	29.60	451	2.20	16.9	0.2925	11.59	7.54	Clear	Clear	None
1300	500	29.20	447.1	2.09	15.6	0.2906	11.16	7.53	Clear	Clear	None
1305	500	28.80	445.6	2.01	13.2	0.2892	10.83	7.51	Clear	Clear	None

1310

Collect Sample

Total Time (min.) 55	Total Volume Removed 5000	Well pumped dry (yes/no) No	Notes purged 1250 mL before collecting data

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

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 64.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2020
Well Depth (TOC) 300.5 feet	Equipment Solinst Model 408 Double Valve Pump Solinst Model 464 Controller	Location (Site) LF3	Begin Time 1020
Water Column Thickness 235.71 feet		Laboratory TestAmerica	Sample Depth 250
Casing Diameter 2 inches	Temperature (°F) 75	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Meter
Casing Volume 37.71 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) 749.89 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 685.1 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
1030	1250	20.80	447.9	3.85	59.4	0.2912	55.70	7.57	Cloudy	White	None
1035	500	21.20	448.6	4.25	57.6	0.2912	56.72	7.57	Cloudy	White	None
1040	500	21.30	435.7	5.99	59.7	0.2743	53.69	7.54	Cloudy	White	None
1045	500	21.40	420.5	6.65	63.1	0.2743	47.89	7.52	Cloudy	White	None
1050	500	21.90	435.2	6.91	56.5	0.2827	41.44	7.55	Cloudy	White	None
1055	500	22.20	441.1	6.23	52.9	0.2867	36.93	7.57	Clear	Clear	None
1100	500	22.50	439.6	5.90	52.2	0.2854	34.29	7.56	Clear	Clear	None
1105	500	22.60	411.2	5.62	55.1	0.2593	31.33	7.46	Clear	Clear	None
1110	500	22.80	401.2	5.13	58.3	0.2613	25.69	7.45	Clear	Clear	None
1115	500	22.90	428.1	4.73	41.8	0.2808	22.22	7.52	Clear	Clear	None
1120	500	23.40	441.1	4.41	30.8	0.2873	18.36	7.56	Clear	Clear	None
1125	500	23.60	444.7	4.14	33.1	0.2892	15.90	7.57	Clear	Clear	None

Total Time (min.) 90	Total Volume Removed 9750	Well pumped dry (yes/no) No	Notes purged tubing of 1250 mL before collecting data

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

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 64.79 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/18/2020
Well Depth (TOC) 300.5 feet		Location (Site) LF3	Begin Time 0900
Water Column Thickness 235.71 feet	Equipment Solinst Model 408 Double Valve Solinst Model 464 Controller	Laboratory TestAmerica	Sample Depth 290
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 37.71 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Cloudy with Scattered Showers	Meters YSI Pro Plus #2 Geotech Water Level Met	Serial numbers
Well Elevation (TOC) 749.89 feet		Calibration Field 5/18/2020	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 685.1 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	19.10	415.1	2.69	124.1	0.2698	16.50	7.06	Clear	Clear	None
0920	500	19.00	420.2	2.45	111.3	0.2698	16.25	7.15	Clear	Clear	None
0925	500	18.90	424.6	2.21	99.4	0.2775	15.99	7.26	Clear	Clear	None
0930	500	18.80	428.1	1.96	89.6	0.2775	15.43	7.40	Clear	Clear	None
0935	500	18.80	431.9	1.82	84.2	0.2808	15.49	7.43	Clear	Clear	None
0940	500	19.10	441.8	1.74	78.1	0.2873	14.99	7.49	Clear	Clear	None
0945	500	19.10	446	1.57	73.7	0.2899	8.69	7.52	Clear	Clear	None
0950	500	19.30	446.1	1.48	69.6	0.2906	4.33	7.54	Clear	Clear	None
0955	500	19.60	446.5	1.36	68.0	0.2899	3.10	7.55	Clear	Clear	None
1000	500	19.80	446.6	1.34	66.1	0.2906	3.16	7.55	Clear	Clear	None
1005	500	19.80	446.4	1.37	64.3	0.2899	3.10	7.55	Clear	Clear	None

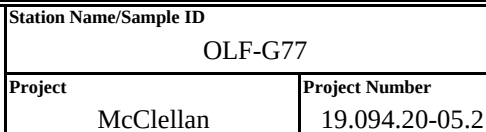
1010

Collect Sample

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

QA/QC Samples

Signature



Groundwater Depth (TOC)	Sample Method	Sampler	Date
55.41		J. Tulley	5/28/2020
Well Depth (TOC)		Location (Site)	Begin Time
84.5		LF3	7:30
Water Column Thickness	Equipment	Laboratory	Sample Depth
29.09		TestAmerica	79
Geotech Bladder Pump	Sample Suite	See COCs	
Casing Diameter	Temperature (°F)	Meters	Serial numbers
4		66	YSI Pro Plus
Casing Volume	Weather Conditions	Solinst Water Level Meter	
18.91		Geotech Geocontrol PRO	
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	
747.04		5/28/2020	N/A
Groundwater Elevation	Parameter Stabilization	Product Observed (yes/no)	Depth to product
691.63	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A	N/A

Page 1 of 1



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

Station Name/Sample ID

OLF-G78

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 62.37 feet	Sample Method Low Flow	Sampler J. Tulley	Date 5/28/2020
Well Depth (TOC) 85 feet		Location (Site) LF3	Begin Time 9:20
Water Column Thickness 22.63 feet	Equipment Geotech Bladder Pump	Laboratory TestAmerica	Sample Depth 80
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 14.71 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 70	Meters YSI Pro Plus	Serial numbers Solinst Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 748.99 feet		Weather Conditions Rain	Calibration Field
Groundwater Elevation 686.62 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Product Observed (yes/no) N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
9:30	0	19.00	106.4	4.17	185.9	0.0689	20.24	5.20	Clear	Clear	None
9:35	500	19.60	105.6	4.12	186.7	0.0689	19.24	5.24	Clear	Clear	None
9:40	500	19.90	106	3.68	179.9	0.0689	13.09	5.45	Clear	Clear	None
9:45	500	20.10	110.5	3.33	182.8	0.0715	10.53	5.47	Clear	Clear	None
9:50	500	20.30	110.5	4.39	183.1	0.0715	11.05	5.46	Clear	Clear	None
9:55	500	20.30	110.3	4.72	183.3	0.0715	10.09	5.47	Clear	Clear	None
10:00	500	20.30	110.1	3.16	183.5	0.0715	10.98	5.47	Clear	Clear	None
10:01	Collecting Sample Suite										

Total Time (min.) 30	Total Volume Removed 3000	Well pumped dry (yes/no) No	Notes 5-28-20
QA/QC Samples			Signature



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

Station Name/Sample ID

PPMP-229-GP12

Project

McClellan

Project Number

19.094.20-05.2

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 25.49 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/20/2020
Well Depth (TOC) 168 feet		Location (Site) LF3	Begin Time 1500
Water Column Thickness 142.51 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory TestAmerica	Sample Depth 163
Casing Diameter 4 inches		Sample Suite See COCs	
Casing Volume 92.63 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 75	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Met
Well Elevation (TOC) 743.79 feet		Weather Conditions Sunny	Calibration Field
Groundwater Elevation 718.3 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
1520	0	21.30	247.8	5.55	-117.3	0.1612	0.86	10.52	Clear	Clear	None
1525	500	20.80	246	5.66	-125.3	0.1599	1.37	10.41	Clear	Clear	None
1530	500	21.10	246.2	5.21	-124.2	0.1599	1.56	10.48	Clear	Clear	None
1535	500	20.80	245.3	5.02	-125.9	0.1599	1.87	10.49	Clear	Clear	None
1540	500	20.90	244.9	4.99	-127.7	0.1592	1.92	10.55	Clear	Clear	None
1545	500	21.00	244.8	4.82	-130.5	0.1586	2.26	10.55	Clear	Clear	None
1550	500	20.70	243.9	4.62	-128.2	0.1586	2.60	10.59	Clear	Clear	None
1555	500	20.60	242	4.46	-134.4	0.1573	1.86	10.62	Clear	Clear	None
1600	500	20.40	240.6	4.39	-136.1	0.156	1.38	10.63	Clear	Clear	None
1605	500	20.70	239.6	4.37	-139.6	0.156	1.29	10.64	Clear	Clear	None
1610	500	20.80	240.2	4.34	-137.7	0.1566	1.26	10.66	Clear	Clear	None

1615

Collect Sample

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

QA/QC Samples

Signature

Appendix B
Chain of Custody

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 # 19.094.20-05.2.500
 Lab contract: _____

Cooler ID 5957 Cooler 1 of 2
 Page 1 of 2

Analysis

Samplers Signature J. Z.

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-G31	NS	MW	Water	BP		11/11/2019	13:30	X			
OLF-G32	NS	MW	Water	BP		11/11/2019	11:55	X			
OLF-G49	NS	MW	Water	BP		11/13/2019	15:31	X			
OLF-G50	NS	MW	Water	BP		11/13/2019	13:51	X			
OLF-G51	NS	MW	Water	BP		11/13/2019	11:26	X			
OLF-G52	NS	MW	Water	BP		11/11/2019	15:55	X			
PPMP-229-GP12	NS	MW	Water	BP		11/13/2019	16:15	X			
OLF-G71 Port 1	NS	MW	Water	Grab		11/12/2019	10:30	X			
OLF-G71 Port 2	NS	MW	Water	Grab		11/12/2019	10:50	X			
OLF-G71 Port 3	NS	MW	Water	Grab		11/12/2019	11:20	X			
OLF-G71 Port 4	NS	MW	Water	Grab		11/12/2019	11:45	X			
OLF-G71 Port 5	NS	MW	Water	Grab		11/12/2019	12:05	X			
OLF-G75 Screen 1	NS	MW	Water	BP		11/13/2019	12:20	X			
OLF-G75 Screen 2	NS	MW	Water	BP		11/13/2019	10:55	X			
OLF-G75 Screen 3	NS	MW	Water	BP		11/13/2019	9:20	X			
OLF-G75 Screen 4	NS	MW	Water	BP		11/12/2019	15:30	X			
OLF-G75 Screen 5	NS	MW	Water	BP		11/12/2019	14:00	X			
OLF-G75 Screen 6	NS	MW	Water	BP		11/12/2019	11:00	X			
TB543	TB	TB	Water	Grab		11/14/2019	9:00				X
DUP335	FD	FD	Water	BP		11/11/2019	N/A	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.

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11.14.19 1606

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3.4/3.5 0.8/0.9



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 # 19.094.20-05.2.500
Lab contract:

Analysis

JASR ✓ 11/15/19 940

Laboratory TestAmerica
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Task # 19.094.20-05.2.500
Lab contract:

Analysis

680-176987 Chain of Custody

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11/15/19 940

34/35 0.8/0.9

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory TestAmerica
 Lab Contact Jon Lawhon; Amy Ragnaldsen
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 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 19.094.20-05.2.500
 Lab contract:

Cooler ID 5954 Cooler 1 of 1
 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
DUP 338	FD	FD	Water	BP		11-20-19	N/A	X	X	X	
OLF-G77	NS	MW	Water	BP		11-20-19	13:01	X	X	X	
OLF-G48	NS	MW	Water	BP		11-18-19	15:20	X			
OLF-G21	NS	MW	Water	BP		11-19-19	10:06	X			
DUP 336	FD	FD	Water	BP		11-19-19	N/A	X			
OLF-G12	NS	MW	Water	BP		11-19-19	15:06	X			
OLF-G23	NS	MW	Water	BP		11-18-19	12:51	X			
OLF-G26	NS	MW	Water	BP		11-20-19	09:31	X			
OLF-G70	NS	MW	Water	BP		11-18-19	10:45	X			
DUP 334	FD	FD	Water	BP		11-18-19	N/A	X			
OLF-G47	NS	MW	Water	BP		11-18-19	13:20	X			
OLF-G78	NS	MW	Water	BP		11-20-19	11:31	X			
OLF-G24	NS	MW	Water	BP		11-18-19	13:51	X			
OLF-G43	NS	MW	Water	BP		11-19-19	15:35	X			
OLF-G35	NS	MW	Water	BP		11-19-19	09:25	X			
OLF-G22	NS	MW	Water	BP		11-19-19	12:40	X			
OLF-G36	NS	MW	Water	BP		11-19-19	11:10	X			
OLF-G20	NS	MW	Water	BP		11-20-19	9:55	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.

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11-20-19 16:00

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Pam R. 11.21.19 0920
 0.8/0.9



680-177221 Chain of Custody

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 #	19.094.20-05.2.500
Lab contract:	

Cooler ID 5954 Cooler 1 of 1
Page 2 of 2

Analysis

Samplers Signature

[illegible]

NOTES:

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

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

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

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

Double the number of bottles for MS/MSD

COMMENTS:

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

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11-20-19 16.00

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Date/Time:

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a): Paul 11.21.19 0920
0.8/0.9

MATRIX ENVIRONMENTAL SERVICES CHAIN OF CUSTODY RECORD

Laboratory TestAmerica
 Lab Contact Jon Lawhon; Amy Ragnaldsen
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 MES Phone 801-699-1246
 Project Parcel 80(6), Landfill 3
 Task # 19.094.20-05.2.500
 Lab contract:

Cooler ID 6069 Cooler 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-G31	NS	MW	Water	BP		5/19/2020	12:10	X			
OLF-G32	NS	MW	Water	BP		5/19/2020	10:30	X			
OLF-G43	NS	MW	Water	BP		5/20/2020	10:25	X			
OLF-G70	NS	MW	Water	BP		5/19/2020	14:25	X			
OLF-G26	NS	MW	Water	BP		5/20/2020	13:30	X			
OLF-G50	NS	MW	Water	BP		5/20/2020	11:51	X			
OLF-G72 Port 1	NS	MW	Water	Grab	X	5/19/2020	14:30	X	X	X	
OLF-G72 Port 2	NS	MW	Water	Grab		5/19/2020	15:10	X	X	* only 2 bottles	
OLF-G72 Port 3	NS	MW	Water	Grab		5/19/2020	15:30	X	X	X	
OLF-G72 Port 4	NS	MW	Water	Grab		5/19/2020	15:55	X	X	X	
OLF-G72 Port 5	NS	MW	Water	Grab		5/19/2020	16:20	X	X	X	
OLF-G72 Port 6	NS	MW	Water	Grab		5/19/2020	16:40	X	X	X	
OLF-G75 Screen 1	NS	MW	Water	BP		5/18/2020	16:55	X			
OLF-G75 Screen 2	NS	MW	Water	BP		5/18/2020	15:35	X			
OLF-G75 Screen 3	NS	MW	Water	BP		5/18/2020	14:25	X			
OLF-G75 Screen 4	NS	MW	Water	BP		5/18/2020	13:10	X			
OLF-G75 Screen 5	NS	MW	Water	BP		5/18/2020	12:00	X			
OLF-G75 Screen 6	NS	MW	Water	BP		5/18/2020	10:10	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.

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 4.1/4.5 3.5/3.9

* OLF-G72 Port 2 - 1 of the TOC bottles broke upon packaging



680-184196 Chain of Custody

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 # 19.094.20-05.2.500
Lab contract:

Analysis

Fed Ex
 522-2020 0930
 4.1/45 3.5/39

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 # 19.094.20-05.2.500
 Lab contract: _____

COC Number 6051
 Cooler ID _____ Cooler 1 of 1
 Page 1 of 1

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	/8260B - VOC TB 40 mL vials, HCl
OLF-G47	NS	MW	Water	BP		5/26/2020	12:11	X			
OLF-G36	NS	MW	Water	BP		5/27/2020	10:51	X			
OLF-G21	NS	MW	Water	BP		5/27/2020	13:16	X			
OLF-G35	NS	MW	Water	BP		5/26/2020	15:06	X			
OLF-G18	NS	MW	Water	BP		5/27/2020	11:55	X			
OLF-G19	NS	MW	Water	BP		5/27/2020	15:00	X			
OLF-G22	NS	MW	Water	BP		5/27/2020	10:10	X			
OLF-G48	NS	MW	Water	BP		5/26/2020	10:06	X			
OLF-G24	NS	MW	Water	BP		5/26/2020	10:10	X			
DUP346	FD	FD	Water	BP		5/26/2020	N/A	X			
OLF-G07	NS	MW	Water	BP	X	5/28/2020	11:21	X			
OLF-G78	NS	MW	Water	BP		5/28/2020	10:01	X			
OLF-G77	NS	MW	Water	BP		5/28/2020	8:26	X	X	X	
TB556	TB	TB	Water	Grab		5/28/2020	15:30				X
OLF-G20	NS	MW	Water	BP		5/28/2020	13:35	X			
OLF-G42	NS	MW	Water	BP	X	5/28/2020	11:45	X			
OLF-G23	NS	MW	Water	BP		5/28/2020	15:25	X	X		
OLF-G12	NS	MW	Water	BP		5/29/2020	12:01	X	X		
EB134	EB	EB	Water	Grab		5/29/2020	15:20	X	X	X	
MB104	MB	MB	Water	Grab		5/29/2020	15:30	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.

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5-30-2020/1000



680-184447 Chain of Custody

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 2019 through May 2020 Sampling Events

Prepared for:



Prepared by:



283 Rucker Street, Bldg. 3165
Anniston, Alabama 36205
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August 2020

TABLE OF CONTENTS

	Page
LIST OF TABLES.....	II
LIST OF ABBREVIATIONS AND ACRONYMS.....	III
1.0 INTRODUCTION	1-1
2.0 PROJECT DESCRIPTION.....	2-1
2.1 PROJECT OBJECTIVES.....	2-1
2.2 DATA QUALITY LEVELS	2-1
2.3 DATA QUALITY OBJECTIVES.....	2-1
2.4 ANALYTICAL SERVICES	2-5
2.4.1 Analytical Program.....	2-5
2.4.2 Quality Control.....	2-5
3.0 ASSESSMENT OF DATA QUALITY	3-1
3.1 LABORATORY DATA QUALITY ASSESSMENT	3-1
3.1.1 Laboratory Qualification of Data	3-1
3.2 MES DATA QUALITY AND USABILITY ASSESSMENT.....	3-1
3.2.1 Data Review and Validation.....	3-3
3.2.2 MES Qualification of Data.....	3-4
4.0 RESULTS OF QUALITY CONTROL ANALYSES	4-1
4.1 QUALITY CONTROL PROCEDURES AND RESULTS OF QUALITY CONTROL ANALYSES	4-1
4.1.1 Field Quality Control Procedures and Analyses	4-1
4.1.1.1 Matrix Spike/Matrix Spike Duplicate Samples	4-1
4.1.1.2 Field Duplicate Samples.....	4-3
4.1.1.3 Trip Blank and Equipment Blank Analyses	4-4
4.1.2 Laboratory Quality Control Procedures and Analyses	4-5
4.1.2.1 Initial Sample Inspection and Chain-of-Custody Documentation	4-5
4.1.2.2 Holding Times	4-6
4.1.2.3 Laboratory Control Sample/Laboratory Control Sample Duplicate	4-6
4.1.2.4 Method Blank and Continuing Calibration Blank Samples	4-7
4.1.2.5 Surrogate Recovery	4-8
4.1.2.6 Internal Standards	4-8
4.1.2.7 Initial and Continuing Calibration.....	4-9
4.2 SUMMARY OF DATA QUALITY INDICATORS	4-9
4.2.1 Precision	4-9

4.2.2	Accuracy	4-10
4.2.3	Representativeness	4-10
4.2.4	Completeness.....	4-10
4.2.5	Comparability	4-11
5.0	REPORTING LIMITS AND DATA USES	5-1
5.1	LABORATORY REPORTING LIMITS	5-1
5.2	COMPARISON OF LABORATORY REPORTING LIMITS TO RSLs AND RBTLs.....	5-1
6.0	CONCLUSIONS.....	6-1
7.0	REFERENCES	7-1

LIST OF TABLES

<u>Table No.</u>	<u>Title</u>
4-1	Sample Index
4-2	Summary of Final Qualifiers
4-3	Qualified Data Summary
4-4	Summary of MS/MSD Recoveries and RPDs
4-5	Field Duplicate Cross Reference
4-6	Comparison of Investigative and Field Duplicate Sample Detections
4-7	Summary of LCS/LCSD Recoveries and RPDs
4-8	Summary of Surrogate Recoveries
4-9	Summary of Detections in Blanks
5-1	Reporting Limits and Method Detection Limits Compared to RSLs

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 2019 through May 2020 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 2019 and May 2020 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 /SW6010C - Metals by Inductively Coupled Plasma Atomic Emission Spectrometry
- Method SW9056A - Anions by Ion Chromatography (IC)
- Method SW9060A - 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.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits.
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.
*1	LCS/LCSD RPD exceeds control limits
*	LCS and/or LCSD is outside control limits.

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; two 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. Sample results were not qualified based on MS/MSD RPD results. Seventy-seven percent of the MS/MSD RPD results were within the laboratory control limits. One MS had multiple recoveries below criteria. Reanalysis was not performed due to holding time exceedance. The overall variability of the precision measurements is considered to be acceptable based on the other MS/MSD results and the LCS/LCSD 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.

Twenty-three 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 seven exceptions. Seven 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. 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. Chloroform was detected in the MB for the November 2019 sampling round; chloroform was not detected in the associated samples. 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 with the following exceptions.

OLF-G42 MS and MSD collected 11/20/19 method SW8260B

OLF – G52 field duplicate collected 11/11/19 method SW8260B

OLF-G72-Port6 field duplicate collected 5/19/20 method SW8260B for three analytes (1,1,2,2-tetrachloroethane, cis-1,2-dichloroethene, and trichloroethene) requiring a dilution.

OLF-G77 normal samples collected 11/20/19 for method RSK-175

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

38 LCS, 35 LCSD, and 15 RPDs outside acceptance criteria are indicated. Data qualified based on LCS and LCSD recoveries are presented in Table 4-2.

Greater than 99 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).

Data qualified based on blanks are presented in Table 4-2. 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. Surrogates outside criteria are indicated. 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).

For sample results affected by IS area counts less than the lower control limit, detects and non-detects were qualified as estimated (JA and UJA, respectively). For sample results affected by IS area counts greater than the upper control limit, detects were qualified as estimated (JA). No qualifiers were required for non-detect results based on high IS area counts. For sample results affected by extremely low IS area counts, detects were qualified as estimated (JA) and non-detects were rejected (RA). No qualifiers were required for samples based on the IS data.

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.

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 33579 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:

- Three sample results were qualified as estimated detect (J) or non-detect (UJ) because of MS and MSD percent recovery data that were outside laboratory historical control limits (Table 4-4).
- Seventy-seven analytes (three samples) were qualified as estimated detect (J) or non-detect (UJ) because of holding time exceedances. One field duplicate (OLF-G52), all analytes. One field duplicate (OLF-G77), three analytes that required a dilution. One sample (OLF-G72-Port6) for RSK-175.
- Thirty analytes were qualified as estimated detect (J) or non-detect (UJ) because LCS and LCSD percent recovery data were outside laboratory historical control limits (Table 4-7).
- One sample was qualified due to calibration(s) outside criteria and LCS and LCSD percent recovery data were outside laboratory historical control limits (Table 4-7).
- 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-G31	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G32	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G49	NS	WG	11/13/2019	TALSAV	680-176985-1	680-176985-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G50	NS	WG	11/13/2019	TALSAV	680-176985-1	680-176985-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G51	NS	WG	11/13/2019	TALSAV	680-176985-1	680-176985-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G52	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G52	FD	WG	11/11/2019	TALSAV	680-176985-1	680-176985-20	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT1	NS	WG	11/12/2019	TALSAV	680-176985-1	680-176985-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT2	NS	WG	11/12/2019	TALSAV	680-176985-1	680-176985-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT3	NS	WG	11/12/2019	TALSAV	680-176985-1	680-176985-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT4	NS	WG	11/12/2019	TALSAV	680-176985-1	680-176985-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT5	NS	WG	11/12/2019	TALSAV	680-176985-1	680-176985-12	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-21	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-21	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-21	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-22	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-22	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-22	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-23	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-23	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-23	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-24	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-24	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-24	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-25	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-25	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	11/11/2019	TALSAV	680-176985-1	680-176985-25	SW9060A
PARCEL 80(6), LANDFILL	OLF-G75-S1	NS	WG	11/13/2019	TALSAV	680-176985-1	680-176985-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S2	NS	WG	11/13/2019	TALSAV	680-176985-1	680-176985-14	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S3	NS	WG	11/13/2019	TALSAV	680-176985-1	680-176985-15	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S4	NS	WG	11/12/2019	TALSAV	680-176985-1	680-176985-16	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-S5	NS	WG	11/12/2019	TALSAV	680-176985-1	680-176985-17	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S6	NS	WG	11/12/2019	TALSAV	680-176985-1	680-176985-18	SW8260B
PARCEL 80(6), LANDFILL	PPMP-229-GP12	NS	WG	11/13/2019	TALSAV	680-176985-1	680-176985-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1 MSD	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1 MSD	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1 MS	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-1 MS	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-2	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-2	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-3	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-3	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-4	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-4	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-5	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-5	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-6	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	11/12/2019	TALSAV	680-176987-1	680-176987-6	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-7	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	FD	WG	11/11/2019	TALSAV	680-176987-1	680-176987-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	FD	WG	11/11/2019	TALSAV	680-176987-1	680-176987-13	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-G74-PORT2	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-8	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-9	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT4	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT4	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-10	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT5	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT5	NS	WG	11/11/2019	TALSAV	680-176987-1	680-176987-11	SW9060A
PARCEL 80(6), LANDFILL	OLF-G07	NS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-22	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	MSD	WG	11/20/2019	TALSAV	680-177221-1	680-177221-22 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	MS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-22 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G12	NS	WG	11/19/2019	TALSAV	680-177221-1	680-177221-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G12	FD	WG	11/19/2019	TALSAV	680-177221-1	680-177221-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G18	NS	WG	11/19/2019	TALSAV	680-177221-1	680-177221-20	SW8260B
PARCEL 80(6), LANDFILL	OLF-G19	NS	WG	11/19/2019	TALSAV	680-177221-1	680-177221-19	SW8260B
PARCEL 80(6), LANDFILL	OLF-G20	NS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-18	SW8260B
PARCEL 80(6), LANDFILL	OLF-G21	NS	WG	11/19/2019	TALSAV	680-177221-1	680-177221-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G22	NS	WG	11/19/2019	TALSAV	680-177221-1	680-177221-16	SW8260B
PARCEL 80(6), LANDFILL	OLF-G23	NS	WG	11/18/2019	TALSAV	680-177221-1	680-177221-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G24	NS	WG	11/18/2019	TALSAV	680-177221-1	680-177221-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G26	NS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G35	NS	WG	11/19/2019	TALSAV	680-177221-1	680-177221-15	SW8260B
PARCEL 80(6), LANDFILL	OLF-G36	NS	WG	11/19/2019	TALSAV	680-177221-1	680-177221-17	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	NS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-21	SW8260B
PARCEL 80(6), LANDFILL 3	OLF-G42	MSD	WG	11/20/2019	TALSAV	680-177221-1	680-177221-21 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	MS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-21 MS	SW8260B
PARCEL 80(6), LANDFILL 3	OLF-G43	NS	WG	11/19/2019	TALSAV	680-177221-1	680-177221-14	SW8260B
PARCEL 80(6), LANDFILL	OLF-G47	NS	WG	11/18/2019	TALSAV	680-177221-1	680-177221-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G48	NS	WG	11/18/2019	TALSAV	680-177221-1	680-177221-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G70	NS	WG	11/18/2019	TALSAV	680-177221-1	680-177221-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G70	FD	WG	11/18/2019	TALSAV	680-177221-1	680-177221-10	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-G77	NS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-2	RSK-175
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-2	SW9060A
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	11/20/2019	TALSAV	680-177221-1	680-177221-1	RSK-175
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	11/20/2019	TALSAV	680-177221-1	680-177221-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	FD	WG	11/20/2019	TALSAV	680-177221-1	680-177221-1	SW9060A
PARCEL 80(6), LANDFILL	OLF-G78	NS	WG	11/20/2019	TALSAV	680-177221-1	680-177221-12	SW8260B
PARCEL 80(6), LANDFILL	OLF-G26	NS	WG	5/20/2020	TALSAV	680-184196-1	680-184196-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G31	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G32	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G32	FD	WG	5/19/2020	TALSAV	680-184196-1	680-184196-22	SW8260B
PARCEL 80(6), LANDFILL	OLF-G43	NS	WG	5/20/2020	TALSAV	680-184196-1	680-184196-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G43	FD	WG	5/20/2020	TALSAV	680-184196-1	680-184196-23	SW8260B
PARCEL 80(6), LANDFILL	OLF-G49	NS	WG	5/20/2020	TALSAV	680-184196-1	680-184196-20	SW8260B
PARCEL 80(6), LANDFILL	OLF-G50	NS	WG	5/20/2020	TALSAV	680-184196-1	680-184196-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G51	NS	WG	5/20/2020	TALSAV	680-184196-1	680-184196-19	SW8260B
PARCEL 80(6), LANDFILL	OLF-G52	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-41	SW8260B
PARCEL 80(6), LANDFILL	OLF-G70	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT1	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-26	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT2	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-27	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT2	FD	WG	5/19/2020	TALSAV	680-184196-1	680-184196-24	RSK-175
PARCEL 80(6), LANDFILL	OLF-G71-PORT2	FD	WG	5/19/2020	TALSAV	680-184196-1	680-184196-24	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT2	FD	WG	5/19/2020	TALSAV	680-184196-1	680-184196-24	SW9060A
PARCEL 80(6), LANDFILL	OLF-G71-PORT3	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-28	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT4	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-29	SW8260B
PARCEL 80(6), LANDFILL	OLF-G71-PORT5	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-30	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7 MSD	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MSD	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7 MSD	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-G72-PORT1	MSD	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7 MSD	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7 MS	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT1	MS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-7 MS	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-8	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT2	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-8	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-9	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT3	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-9	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-10	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT4	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-10	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-11	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT5	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-11	SW9060A
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-12	RSK-175
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-12	SW8260B
PARCEL 80(6), LANDFILL	OLF-G72-PORT6	NS	WG	5/19/2020	TALSAV	680-184196-1	680-184196-12	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-31	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-31	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-31	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	FD	WG	5/18/2020	TALSAV	680-184196-1	680-184196-43	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	FD	WG	5/18/2020	TALSAV	680-184196-1	680-184196-43	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT1	FD	WG	5/18/2020	TALSAV	680-184196-1	680-184196-43	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-32	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-32	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT2	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-32	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-33	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-33	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT3	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-33	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-G73-PORT4	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-34	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-34	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT4	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-34	SW9060A
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-35	RSK-175
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-35	SW8260B
PARCEL 80(6), LANDFILL	OLF-G73-PORT5	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-35	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-36	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT1	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-36	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-37	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT2	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-37	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-38	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT3	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-38	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT4	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-39	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT4	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-39	SW9060A
PARCEL 80(6), LANDFILL	OLF-G74-PORT5	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-40	SW8260B
PARCEL 80(6), LANDFILL	OLF-G74-PORT5	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-40	SW9060A
PARCEL 80(6), LANDFILL	OLF-G75-S1	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S2	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-14	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S3	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-15	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S4	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-16	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S5	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-17	SW8260B
PARCEL 80(6), LANDFILL	OLF-G75-S6	NS	WG	5/18/2020	TALSAV	680-184196-1	680-184196-18	SW8260B
PARCEL 80(6), LANDFILL	PPMP-229-GP12	NS	WG	5/20/2020	TALSAV	680-184196-1	680-184196-21	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-11	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	MS	WG	5/28/2020	TALSAV	680-184447	680-184447-11 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G07	MSD	WG	5/28/2020	TALSAV	680-184447	680-184447-11 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G12	NS	WG	5/29/2020	TALSAV	680-184447	680-184447-18	RSK-175
PARCEL 80(6), LANDFILL	OLF-G12	NS	WG	5/29/2020	TALSAV	680-184447	680-184447-18	SW8260B
PARCEL 80(6), LANDFILL	OLF-G18	NS	WG	5/27/2020	TALSAV	680-184447	680-184447-5	SW8260B
PARCEL 80(6), LANDFILL	OLF-G19	NS	WG	5/27/2020	TALSAV	680-184447	680-184447-6	SW8260B
PARCEL 80(6), LANDFILL	OLF-G20	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-15	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-G21	NS	WG	5/27/2020	TALSAV	680-184447	680-184447-3	SW8260B
PARCEL 80(6), LANDFILL	OLF-G22	NS	WG	5/27/2020	TALSAV	680-184447	680-184447-7	SW8260B
PARCEL 80(6), LANDFILL	OLF-G23	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-17	RSK-175
PARCEL 80(6), LANDFILL	OLF-G23	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-17	SW8260B
PARCEL 80(6), LANDFILL	OLF-G24	NS	WG	5/26/2020	TALSAV	680-184447	680-184447-9	SW8260B
PARCEL 80(6), LANDFILL	OLF-G24	FD	WG	5/26/2020	TALSAV	680-184447	680-184447-10	SW8260B
PARCEL 80(6), LANDFILL	OLF-G35	NS	WG	5/26/2020	TALSAV	680-184447	680-184447-4	SW8260B
PARCEL 80(6), LANDFILL	OLF-G36	NS	WG	5/27/2020	TALSAV	680-184447	680-184447-2	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-16	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	MS	WG	5/28/2020	TALSAV	680-184447	680-184447-16 MS	SW8260B
PARCEL 80(6), LANDFILL	OLF-G42	MSD	WG	5/28/2020	TALSAV	680-184447	680-184447-16 MSD	SW8260B
PARCEL 80(6), LANDFILL	OLF-G47	NS	WG	5/26/2020	TALSAV	680-184447	680-184447-1	SW8260B
PARCEL 80(6), LANDFILL	OLF-G48	NS	WG	5/26/2020	TALSAV	680-184447	680-184447-8	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-13	RSK-175
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-13	SW8260B
PARCEL 80(6), LANDFILL	OLF-G77	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-13	SW9060A
PARCEL 80(6), LANDFILL	OLF-G78	NS	WG	5/28/2020	TALSAV	680-184447	680-184447-12	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK (TB543)	TB	W	11/14/2019	TALSAV	680-176985-1	680-176985-19	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK (YB544)	TB	WG	11/11/2019	TALSAV	680-176987-1	680-176987-12	SW8260B
MCCLELLAN FIELD QC	EQUIPMENT BLANK	EB	W	11/20/2019	TALSAV	680-177221-1	680-177221-25	RSK-175
MCCLELLAN FIELD QC	EQUIPMENT BLANK	EB	W	11/20/2019	TALSAV	680-177221-1	680-177221-25	SW8260B
MCCLELLAN FIELD QC	EQUIPMENT BLANK	EB	W	11/20/2019	TALSAV	680-177221-1	680-177221-25	SW9060A
MCCLELLAN FIELD QC	MATERIAL BLANK	WS	W	11/20/2019	TALSAV	680-177221-1	680-177221-24	RSK-175
MCCLELLAN FIELD QC	MATERIAL BLANK	WS	W	11/20/2019	TALSAV	680-177221-1	680-177221-24	SW8260B
MCCLELLAN FIELD QC	MATERIAL BLANK	WS	W	11/20/2019	TALSAV	680-177221-1	680-177221-24	SW9060A
MCCLELLAN FIELD QC	TRIP BLANK (TB545)	TB	WG	11/20/2019	TALSAV	680-177221-1	680-177221-23	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK (TB554)	TB	W	5/21/2020	TALSAV	680-184196-1	680-184196-42	SW8260B
MCCLELLAN FIELD QC	TRIP BLANK (TB555)	TB	W	5/21/2020	TALSAV	680-184196-1	680-184196-25	SW8260B
MCCLELLAN FIELD QC	EQUIPMENT BLANK	EB	W	5/29/2020	TALSAV	680-184447	680-184447-19	RSK-175
MCCLELLAN FIELD QC	EQUIPMENT BLANK	EB	W	5/29/2020	TALSAV	680-184447	680-184447-19	SW8260B
MCCLELLAN FIELD QC	EQUIPMENT BLANK	EB	W	5/29/2020	TALSAV	680-184447	680-184447-19	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	MATERIAL BLANK	WS	W	5/29/2020	TALSAV	680-184447	680-184447-20	RSK-175
MCCLELLAN FIELD QC	MATERIAL BLANK	WS	W	5/29/2020	TALSAV	680-184447	680-184447-20	SW8260B
MCCLELLAN FIELD QC	MATERIAL BLANK	WS	W	5/29/2020	TALSAV	680-184447	680-184447-20	SW9060A
MCCLELLAN FIELD QC	TRIP BLANK (TB556)	TB	W	5/28/2020	TALSAV	680-184447	680-184447-14	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	Validation Code	Units
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,1,1,2-Tetrachloroethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,1,1-Trichloroethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,1,2,2-Tetrachloroethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,1,2-Trichloro-1,2,2-	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,1,2-Trichloroethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,1-Dichloroethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,1-Dichloroethene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,1-Dichloropropene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2,3-Trichlorobenzene	5	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2,3-Trichloropropane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2,4-Trichlorobenzene	5	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2,4-Trimethylbenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2-Dibromo-3-Chloropropane	5	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2-Dibromoethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2-Dichlorobenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2-Dichloroethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,2-Dichloropropane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,3,5-Trimethylbenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,3-Dichlorobenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,3-Dichloropropane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	1,4-Dichlorobenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	2,2-Dichloropropane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	2-Butanone (MEK)	10	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	2-Chlorotoluene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	2-Hexanone	10	U H *	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	4-Chlorotoluene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	4-Methyl-2-Pentanone (MIBK)	10	U H *	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Acetone	10	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Acrylonitrile	20	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Benzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Bromobenzene	1	U H *	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Bromochloromethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Bromodichloromethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Bromoform	1	U H	UJ	µg/L

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	Validation Code	Units
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Bromomethane	5	U H *	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Carbon Disulfide	2	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Carbon Tetrachloride	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Chlorobenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Chloroethane	5	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Chloroform	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Chloromethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Cis-1,2-Dichloroethene	1.1	H	J	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Cis-1,3-Dichloropropene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Dibromochloromethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Dibromomethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Dichlorodifluoromethane	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Ethylbenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Hexachlorobutadiene	5	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Iodomethane	10	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Isopropyl Benzene (Cumene)	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	m,p-Xylene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Methylene Chloride	5	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Mtbe	10	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Naphthalene	5	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	N-Butylbenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	N-Propylbenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	O-Xylene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	P-Isopropyltoluene (Cymene)	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Sec-Butylbenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Styrene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Tert-Butylbenzene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Tetrachloroethylene	1	U H *	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Toluene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Trans-1,2-Dichloroethene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Trans-1,3-Dichloropropene	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Trans-1,4-Dichloro-2-Butene	2	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Trichloroethene	7.7	H	J	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Trichlorofluoromethane	1	U H	UJ	µg/L

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	Validation Code	Units
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Vinyl Acetate	2	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Vinyl Chloride	1	U H	UJ	µg/L
OLF-G52	FD	WG	11-Nov-19	680-176985-1	680-176985-20	SW8260B	Xylenes (Total)	1	U H	UJ	µg/L
OLF-G72-PORT1	NS	WG	12-Nov-19	680-176987-1	680-176987-1	SW8260B	Chlorobenzene	39	F1	J	µg/L
OLF-G72-PORT1	NS	WG	12-Nov-19	680-176987-1	680-176987-1	SW9060A	Total Organic Carbon	27	F1	J	mg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	1,1,1,2-Tetrachloroethane	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	1,1,2,2-Tetrachloroethane	100		J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	1,1,2-Trichloroethane	3.8		J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	1,1-Dichloroethane	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	1,1-Dichloroethene	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	1,2-Dichloroethane	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	2-Butanone (MEK)	10	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Acrylonitrile	20	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Benzene	0.53	J	J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Bromochloromethane	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Bromomethane	5	U *	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Chlorobenzene	6.9		J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Chloroethane	5	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Chloroform	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Chloromethane	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Cis-1,2-Dichloroethene	39		J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Ethylbenzene	1.2		J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Methylene Chloride	5	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Mtbe	10	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Tetrachloroethylene	0.76	J	J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Toluene	2.1		J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Trans-1,2-Dichloroethene	17		J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Trichloroethene	110		J	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Trichlorofluoromethane	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Vinyl Acetate	2	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Vinyl Chloride	1	U	UJ	µg/L
OLF-G23	NS	WG	18-Nov-19	680-177221-1	680-177221-7	SW8260B	Xylenes (Total)	6.7		J	µg/L
OLF-G70	FD	WG	18-Nov-19	680-177221-1	680-177221-10	SW8260B	4-Methyl-2-Pentanone (MIBK)	10	U *	UJ	µg/L
OLF-G77	FD	WG	20-Nov-19	680-177221-1	680-177221-1	SW8260B	1,1,2,2-Tetrachloroethane	820	H	J	µg/L
OLF-G77	FD	WG	20-Nov-19	680-177221-1	680-177221-1	SW8260B	Cis-1,2-Dichloroethene	190	H	J	µg/L

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-G77	FD	WG	20-Nov-19	680-177221-1	680-177221-1	SW8260B	Trichloroethene	490	H	J	µg/L
OLF-G26	NS	WG	20-May-20	680-184196-1	680-184196-5	SW8260B	Cis-1,2-Dichloroethene	0.57	J B	UB	µg/L
OLF-G72-PORT6	NS	WG	19-May-20	680-184196-1	680-184196-12	RSK-175	Ethane	3.6	H	J	µg/L
OLF-G72-PORT6	NS	WG	19-May-20	680-184196-1	680-184196-12	RSK-175	Ethene	3.7	H	J	µg/L
OLF-G72-PORT6	NS	WG	19-May-20	680-184196-1	680-184196-12	RSK-175	Methane	860	H	J	µg/L
OLF-G73-PORT1	FD	WG	18-May-20	680-184196-1	680-184196-43	SW8260B	Chlorobenzene	55		J	µg/L
OLF-G07	NS	WG	28-May-20	680-184447	680-184447-11	SW8260B	1,1,2,2-Tetrachloroethane	180	F1 F2	J	µg/L
OLF-G22	NS	WG	27-May-20	680-184447	680-184447-7	SW8260B	Chloroethane	5.4	*	J	µg/L
OLF-G23	NS	WG	28-May-20	680-184447	680-184447-17	SW8260B	Chloroethane	7.4	*	J	µg/L

Notes:

FD = Field Duplicate

µg/L = micrograms per liter

mg/L = milligrams per liter

NS = Normal Sample

QC = Quality Control

W = Water

WG = Ground Water

Lab Qualifier:

* = QC recovery outside acceptance criteria.

B = Analyte detected in an associated blank.

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

F2 = MS/MSD RPD outside acceptance criteria.

H = Extraction/and or analysis holding time exceeded.

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

Validation Qualifier:

B = Analyte detected in an associated blank.

J = Analyte was detected. The reported quantitation limit is estimated.

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.

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 Code	Matrix	Method	Non-Qualified			
				Results	J	UB	UJ
TALSAV	NS	WG	RSK-175	42	3		
TALSAV	NS	WG	SW8260B	3497	15	1	16
TALSAV	NS	WG	SW9060A	36	2		
TALSAV	FD	WG	RSK-175	9			
TALSAV	FD	WG	SW8260B	387	6		70
TALSAV	FD	WG	SW9060A	6			
TALSAV	WS	W	RSK-175	6			
TALSAV	WS	W	SW8260B	98			
TALSAV	WS	W	SW9060A	4			
TALSAV	EB	W	RSK-175	6			
TALSAV	EB	W	SW8260B	98			
TALSAV	EB	W	SW9060A	4			
TALSAV	TB	W	SW8260B	196			

Notes:

FD = Field duplicate

NS = Normal sample

QC = Quality Control

TB = Trip blank

W = Water

WG = Ground water

WS = Source water

Validation Qualifier:

J = Analyte was detected. The reported result is estimated.

UB = Analyte considered not detected based on the concentration in an associated blank.

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-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,1,1,2-Tetrachloroethane	92	90	80	121	2.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,1,1-Trichloroethane	97	99	80	120	2.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,1,2,2-Tetrachloroethane	90	88	80	120	2.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,1,2-Trichloro-1,2,2-Trifluoroethane	90	97	79	124	7.5	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,1,2-Trichloroethane	90	85	80	120	5.7	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,1-Dichloroethane	94	95	80	120	1.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,1-Dichloroethene	99	102	76	120	3.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,1-Dichloropropene	98	100	80	120	2.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2,3-Trichlorobenzene	93	98	61	141	5.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2,3-Trichloropropane	86	84	80	123	2.4	30
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2,4-Trichlorobenzene	97	101	68	128	4.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2,4-Trimethylbenzene	96	96	80	120	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2-Dibromo-3-Chloropropane	87	89	71	134	2.3	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2-Dibromoethane	89	88	80	120	1.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2-Dichlorobenzene	99	101	80	120	2.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2-Dichloroethane	90	90	80	120	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,2-Dichloropropane	87	95	80	120	8.8	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,3,5-Trimethylbenzene	98	97	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,3-Dichlorobenzene	98	100	80	120	2.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,3-Dichloropropane	90	86	80	120	4.5	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	1,4-Dichlorobenzene	97	100	80	120	3.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	2,2-Dichloropropane	81	81	76	126	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	2-Butanone (MEK)	80	81	80	131	1.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	2-Chlorotoluene	97	96	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	2-Hexanone	78	77	74	127	1.3	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	4-Chlorotoluene	94	93	80	120	1.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	4-Methyl-2-Pentanone (MIBK)	86	85	76	124	1.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Acetone	65	66	70	135	1.5	30
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Acrylonitrile	83	84	80	123	1.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Benzene	97	98	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Bromobenzene	95	96	80	121	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Bromochloromethane	91	90	80	120	1.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Bromodichloromethane	87	94	80	120	7.7	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Bromoform	86	84	74	126	2.4	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Bromomethane	73	94	62	130	25.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Carbon Disulfide	99	102	80	120	3.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Carbon Tetrachloride	98	100	76	123	2.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Chlorobenzene	155	155	80	120	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-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Chloroethane	101	97	66	135	4.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Chloroform	97	97	80	120	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Chloromethane	86	85	69	131	1.2	30
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Cis-1,2-Dichloroethene	99	100	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Cis-1,3-Dichloropropene	86	87	80	120	1.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Dibromochloromethane	87	86	80	121	1.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Dibromomethane	85	90	80	120	5.7	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Dichlorodifluoromethane	106	114	47	155	7.3	40
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Ethylbenzene	100	101	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Hexachlorobutadiene	95	101	60	140	6.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Iodomethane	83	92	52	142	10.3	30
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Isopropyl Benzene (Cumene)	100	101	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	m,p-Xylene	98	97	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Methylene Chloride	87	86	80	120	1.2	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Mtbe	86	86	80	120	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Naphthalene	100	103	59	140	3.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	N-Butylbenzene	101	105	80	120	3.9	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	N-Propylbenzene	95	97	80	120	2.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	O-Xylene	99	99	80	120	0.0	30
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	P-Isopropyltoluene (Cymene)	100	103	80	120	3.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Sec-Butylbenzene	98	97	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Styrene	96	95	80	120	1.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Tert-Butylbenzene	97	97	80	121	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Tetrachloroethylene	98	96	80	121	2.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Toluene	90	90	80	113	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Trans-1,2-Dichloroethene	99	99	80	120	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Trans-1,3-Dichloropropene	84	81	80	120	3.6	30
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Trans-1,4-Dichloro-2-Butene	77	82	68	125	6.3	30
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Trichloroethene	92	99	80	120	7.3	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Trichlorofluoromethane	96	99	60	141	3.1	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Vinyl Acetate	89	89	67	135	0.0	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Vinyl Chloride	102	104	71	128	1.9	20
OLF-G72-PORT1	WG	11/12/19	680-176987-1	SW8260B	Xylenes (Total)	98	98	80	120	0.0	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,1,1,2-Tetrachloroethane	109	113	80	121	3.6	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,1,1-Trichloroethane	110	112	80	120	1.8	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,1,2,2-Tetrachloroethane	113	100	80	120	12.2	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,1,2-Trichloroethane	99	102	79	124	3.0	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,1-Dichloroethane	109	114	80	120	4.5	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	11/20/19	680-177221-1	SW8260B	1,1-Dichloroethene	107	119	80	120	10.6	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,2,3-Trichloropropane	109	109	76	120	0.0	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,2-Dibromo-3-Chloropropane	112	111	80	120	0.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,2-Dibromoethane	101	105	61	141	3.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,2-Dichlorobenzene	108	109	80	123	0.9	30
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,2-Dichloroethane	112	115	68	128	2.6	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,2-Dichloropropane	110	114	80	120	3.6	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,3-Dichloropropane	99	101	71	134	2.0	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	1,4-Dichlorobenzene	107	107	80	120	0.0	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	2-Butanone (MEK)	108	109	80	120	0.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	2-Hexanone	104	106	80	120	1.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	4-Methyl-2-Pentanone (MIBK)	104	105	80	120	1.0	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Acetone	107	108	80	120	0.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Acrylonitrile	102	104	80	120	1.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Benzene	108	112	80	120	3.6	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Bromochloromethane	99	104	80	120	4.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Bromodichloromethane	106	110	76	126	3.7	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Bromoform	104	109	80	131	4.7	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Bromomethane	95	106	80	120	10.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Carbon Disulfide	105	108	74	127	2.8	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Carbon Tetrachloride	111	114	80	120	2.7	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Chlorobenzene	104	108	76	124	3.8	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Chloroethane	101	108	70	135	6.7	30
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Chloroform	112	115	80	123	2.6	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Chloromethane	99	105	80	120	5.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Cis-1,2-Dichloroethene	114	116	80	121	1.7	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Cis-1,3-Dichloropropene	102	104	80	120	1.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Dibromochloromethane	102	105	80	120	2.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Dibromomethane	111	112	74	126	0.9	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Ethylbenzene	104	107	62	130	2.8	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Iodomethane	78	98	80	120	22.7	30
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Methylene Chloride	94	98	76	123	4.2	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Mtbe	105	108	80	120	2.8	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Styrene	105	108	66	135	2.8	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Tetrachloroethylene	108	108	80	120	0.0	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Toluene	104	109	69	131	4.7	30
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Trans-1,2-Dichloroethene	109	111	80	120	1.8	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Trans-1,3-Dichloropropene	98	102	80	120	4.0	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	11/20/19	680-177221-1	SW8260B	Trans-1,4-Dichloro-2-Butene	89	95	80	121	6.5	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Trichloroethene	119	112	80	120	6.1	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Trichlorofluoromethane	123	124	47	155	0.8	40
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Vinyl Acetate	108	104	80	120	3.8	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Vinyl Chloride	110	114	60	140	3.6	20
OLF-G07	WG	11/20/19	680-177221-1	SW8260B	Xylenes (Total)	103	107	52	142	3.8	30
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,1,1,2-Tetrachloroethane	111	94	80	121	16.6	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,1,1-Trichloroethane	120	102	80	120	16.2	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,1,2,2-Tetrachloroethane	137	115	80	120	17.5	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,1,2-Trichloroethane	116	102	79	124	12.8	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,1-Dichloroethane	123	103	80	120	17.7	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,1-Dichloroethene	128	105	80	120	19.7	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,2,3-Trichloropropane	117	100	76	120	15.7	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,2-Dibromo-3-Chloropropane	131	112	80	120	15.6	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,2-Dibromoethane	115	99	61	141	15.0	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,2-Dichlorobenzene	115	98	80	123	16.0	30
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,2-Dichloroethane	115	98	68	128	16.0	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,2-Dichloropropane	125	104	80	120	18.3	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,3-Dichloropropane	114	98	71	134	15.1	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	1,4-Dichlorobenzene	120	99	80	120	19.2	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	2-Butanone (MEK)	128	111	80	120	14.2	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	2-Hexanone	146	127	80	120	13.9	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	4-Methyl-2-Pentanone (MIBK)	138	120	80	120	14.0	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Acetone	135	120	80	120	11.8	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Acrylonitrile	125	109	80	120	13.7	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Benzene	119	101	80	120	16.4	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Bromochloromethane	104	90	80	120	14.4	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Bromodichloromethane	121	103	76	126	16.1	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Bromoform	101	86	80	131	16.0	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Bromomethane	79	71	80	120	10.7	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Carbon Disulfide	121	103	74	127	16.1	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Carbon Tetrachloride	114	98	80	120	15.1	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Chlorobenzene	113	96	76	124	16.3	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Chloroethane	109	96	70	135	12.7	30
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Chloroform	118	100	80	123	16.5	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Chloromethane	106	89	80	120	17.4	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Cis-1,2-Dichloroethene	114	116	80	121	1.7	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Cis-1,3-Dichloropropene	114	96	80	120	17.1	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	11/20/19	680-177221-1	SW8260B	Dibromochloromethane	110	97	80	120	12.6	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Dibromomethane	114	97	74	126	16.1	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Ethylbenzene	121	101	62	130	18.0	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Iodomethane	69	73	80	120	5.6	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Methylene Chloride	106	91	76	123	15.2	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Mtbe	114	99	80	120	14.1	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Styrene	126	106	66	135	17.2	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Tetrachloroethylene	108	93	80	120	14.9	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Toluene	122	103	69	131	16.9	30
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Trans-1,2-Dichloroethene	116	96	80	120	18.9	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Trans-1,3-Dichloropropene	110	94	80	120	15.7	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Trans-1,4-Dichloro-2-Butene	124	105	80	121	16.6	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Trichloroethene	107	92	80	120	15.1	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Trichlorofluoromethane	105	97	47	155	7.9	40
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Vinyl Acetate	118	102	80	120	14.5	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Vinyl Chloride	100	84	60	140	17.4	20
OLF-G42	WG	11/20/19	680-177221-1	SW8260B	Xylenes (Total)	116	98	52	142	16.8	30
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,1,1,2-Tetrachloroethane	87	128	80	120	38.1	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,1,1-Trichloroethane	77	110	80	120	35.3	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,1,2,2-Tetrachloroethane	77	113	80	120	37.9	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,1,2-Trichloroethane	77	111	80	120	36.2	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,1-Dichloroethane	73	104	59	140	35.0	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,1-Dichloroethene	78	108	80	120	32.3	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,2,3-Trichloropropane	75	109	80	120	37.0	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,2-Dibromo-3-Chloropropane	66	101	80	120	41.9	30
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,2-Dibromoethane	75	108	80	120	36.1	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,2-Dichlorobenzene	78	111	80	120	34.9	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,2-Dichloroethane	67	103	80	120	42.4	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,2-Dichloropropane	69	100	80	121	36.7	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,3-Dichloropropane	65	94	80	121	36.5	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	1,4-Dichlorobenzene	75	107	80	113	35.2	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	2-Butanone (MEK)	68	101	80	120	39.1	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	2-Hexanone	56	81	80	120	36.5	30
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	4-Methyl-2-Pentanone (MIBK)	63	93	68	125	38.5	30
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Acetone	60	88	60	154	37.8	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Acrylonitrile	64	91	72	132	34.8	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Benzene	77	108	67	135	33.5	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Bromochloromethane	84	117	71	128	32.8	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	5/19/20	680-184196-1	SW8260B	Bromodichloromethane	74	106	80	120	35.6	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Bromoform	82	119	74	126	36.8	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Bromomethane	269	483	62	130	56.9	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Carbon Disulfide	75	101	80	120	29.5	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Carbon Tetrachloride	81	115	76	123	34.7	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Chlorobenzene	169	119	80	120	34.7	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Chloroethane	79	109	66	135	31.9	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Chloroform	75	106	80	120	34.3	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Chloromethane	61	84	69	131	31.7	30
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Cis-1,2-Dichloroethene	65	94	80	120	36.5	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Cis-1,3-Dichloropropene	71	102	80	120	35.8	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Dibromochloromethane	82	121	80	121	38.4	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Dibromomethane	72	102	80	120	34.5	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Ethylbenzene	78	110	80	120	34.0	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Iodomethane	74	112	52	142	40.9	30
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Methylene Chloride	65	90	80	120	32.3	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Mtbe	68	99	80	120	37.1	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Styrene	78	111	80	120	34.9	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Tetrachloroethylene	82	115	80	121	33.5	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Toluene	70	109	80	113	43.6	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Trans-1,2-Dichloroethene	76	103	80	120	30.2	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Trans-1,3-Dichloropropene	75	109	80	120	37.0	30
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Trans-1,4-Dichloro-2-Butene	69	101	68	125	37.6	30
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Trichloroethene	76	107	80	120	33.9	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Trichlorofluoromethane	76	106	60	141	33.0	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Vinyl Acetate	77	110	67	135	35.3	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Vinyl Chloride	70	97	71	128	32.3	20
OLF-G72-PORT1	WG	5/19/20	680-184196-1	SW8260B	Xylenes (Total)	77	107	80	120	32.6	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,1,1,2-Tetrachloroethane	96	143	80	120	39.3	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,1,1-Trichloroethane	96	138	80	120	35.9	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,1,2,2-Tetrachloroethane	37	254	80	120	149.1	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,1,2-Trichloroethane	90	130	80	120	36.4	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,1-Dichloroethane	93	132	59	140	34.7	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,1-Dichloroethene	98	143	80	120	37.3	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,2,3-Trichloropropane	95	141	80	120	39.0	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,2-Dibromo-3-Chloropropane	88	146	80	120	49.6	30
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,2-Dibromoethane	94	136	80	120	36.5	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,2-Dichlorobenzene	90	151	80	120	50.6	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-G07	WG	5/28/20	680-184447	SW8260B	1,2-Dichloroethane	92	132	80	120	35.7	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,2-Dichloropropane	94	137	80	121	37.2	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,3-Dichloropropane	90	131	80	121	37.1	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	1,4-Dichlorobenzene	90	152	80	113	51.2	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	2-Butanone (MEK)	78	108	80	120	32.3	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	2-Hexanone	79	112	80	120	34.6	30
OLF-G07	WG	5/28/20	680-184447	SW8260B	4-Methyl-2-Pentanone (MIBK)	89	126	68	125	34.4	30
OLF-G07	WG	5/28/20	680-184447	SW8260B	Acetone	82	118	60	154	36.0	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Acrylonitrile	82	118	72	132	36.0	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Benzene	93	133	67	135	35.4	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Bromochloromethane	85	119	71	128	33.3	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Bromodichloromethane	93	135	80	120	36.8	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Bromoform	90	136	74	126	40.7	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Bromomethane	165	263	62	130	45.8	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Carbon Disulfide	90	131	80	120	37.1	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Carbon Tetrachloride	94	136	76	123	36.5	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Chlorobenzene	94	140	80	120	39.3	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Chloroethane	233	335	66	135	35.9	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Chloroform	94	135	80	120	35.8	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Chloromethane	94	136	69	131	36.5	30
OLF-G07	WG	5/28/20	680-184447	SW8260B	Cis-1,2-Dichloroethene	94	147	80	120	44.0	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Cis-1,3-Dichloropropene	91	132	80	120	36.8	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Dibromochloromethane	93	134	80	121	36.1	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Dibromomethane	92	135	80	120	37.9	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Ethylbenzene	95	143	80	120	40.3	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Iodomethane	89	137	52	142	42.5	30
OLF-G07	WG	5/28/20	680-184447	SW8260B	Methylene Chloride	83	119	80	120	35.6	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Mtbe	87	123	80	120	34.3	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Styrene	90	136	80	120	40.7	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Tetrachloroethylene	93	141	80	121	41.0	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Toluene	96	138	80	113	35.9	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Trans-1,2-Dichloroethene	96	141	80	120	38.0	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Trans-1,3-Dichloropropene	85	124	80	120	37.3	30
OLF-G07	WG	5/28/20	680-184447	SW8260B	Trans-1,4-Dichloro-2-Butene	82	118	68	125	36.0	30
OLF-G07	WG	5/28/20	680-184447	SW8260B	Trichloroethene	83	177	80	120	72.3	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Trichlorofluoromethane	106	154	60	141	36.9	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Vinyl Acetate	74	104	67	135	33.7	20
OLF-G07	WG	5/28/20	680-184447	SW8260B	Vinyl Chloride	95	137	71	128	36.2	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-G07	WG	5/28/20	680-184447	SW8260B	Xylenes (Total)	95	143	80	120	40.3	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,1,1,2-Tetrachloroethane	118	102	80	120	14.5	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,1,1-Trichloroethane	111	95	80	120	15.5	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,1,2,2-Tetrachloroethane	103	88	80	120	15.7	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,1,2-Trichloroethane	111	95	80	120	15.5	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,1-Dichloroethane	111	95	59	140	15.5	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,1-Dichloroethene	124	107	80	120	14.7	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,2,3-Trichloropropane	98	85	80	120	14.2	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,2-Dibromo-3-Chloropropane	94	87	80	120	7.7	30
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,2-Dibromoethane	104	90	80	120	14.4	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,2-Dichlorobenzene	107	94	80	120	12.9	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,2-Dichloroethane	102	87	80	120	15.9	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,2-Dichloropropane	112	95	80	121	16.4	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,3-Dichloropropane	94	81	80	121	14.9	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	1,4-Dichlorobenzene	110	95	80	113	14.6	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	2-Butanone (MEK)	99	87	80	120	12.9	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	2-Hexanone	82	72	80	120	13.0	30
OLF-G42	WG	5/28/20	680-184447	SW8260B	4-Methyl-2-Pentanone (MIBK)	93	81	68	125	13.8	30
OLF-G42	WG	5/28/20	680-184447	SW8260B	Acetone	112	90	60	154	21.8	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Acrylonitrile	100	85	72	132	16.2	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Benzene	118	100	67	135	16.5	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Bromochloromethane	117	100	71	128	15.7	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Bromodichloromethane	107	92	80	120	15.1	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Bromoform	96	84	74	126	13.3	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Bromomethane	418	396	62	130	5.4	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Carbon Disulfide	124	105	80	120	16.6	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Carbon Tetrachloride	117	101	76	123	14.7	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Chlorobenzene	119	101	80	120	16.4	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Chloroethane	129	108	66	135	17.7	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Chloroform	109	94	80	120	14.8	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Chloromethane	117	101	69	131	14.7	30
OLF-G42	WG	5/28/20	680-184447	SW8260B	Cis-1,2-Dichloroethene	108	90	80	120	18.2	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Cis-1,3-Dichloropropene	110	95	80	120	14.6	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Dibromochloromethane	111	96	80	121	14.5	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Dibromomethane	102	88	80	120	14.7	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Ethylbenzene	116	98	80	120	16.8	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Iodomethane	117	100	52	142	15.7	30
OLF-G42	WG	5/28/20	680-184447	SW8260B	Methylene Chloride	99	85	80	120	15.2	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-G42	WG	5/28/20	680-184447	SW8260B	Mtbe	99	85	80	120	15.2	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Styrene	110	95	80	120	14.6	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Tetrachloroethylene	124	105	80	121	16.6	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Toluene	118	99	80	113	17.5	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Trans-1,2-Dichloroethene	119	101	80	120	16.4	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Trans-1,3-Dichloropropene	104	89	80	120	15.5	30
OLF-G42	WG	5/28/20	680-184447	SW8260B	Trans-1,4-Dichloro-2-Butene	86	75	68	125	13.7	30
OLF-G42	WG	5/28/20	680-184447	SW8260B	Trichloroethene	118	96	80	120	20.6	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Trichlorofluoromethane	114	95	60	141	18.2	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Vinyl Acetate	100	86	67	135	15.1	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Vinyl Chloride	127	109	71	128	15.3	20
OLF-G42	WG	5/28/20	680-184447	SW8260B	Xylenes (Total)	111	95	80	120	15.5	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	DUP334	OLF-G70	11/18/19	680-177221-1	SW8260B
WG	DUP336	OLF-G12	11/19/19	680-177221-1	SW8260B
WG	DUP338	OLF-G77	11/20/19	680-177221-1	RSK-175
WG	DUP338	OLF-G77	11/20/19	680-177221-1	SW8260B
WG	DUP338	OLF-G77	11/20/19	680-177221-1	SW9060A
WG	DUP346	OLF-G24	5/26/20	680-184447	SW8260B
WG	DUP347	OLF-G43	5/20/20	680-184196-1	SW8260B
WG	DUP348	OLF-G32	5/19/20	680-184196-1	SW8260B
WG	DUP349	OLF-G71-PORT2	5/19/20	680-184196-1	RSK-175
WG	DUP349	OLF-G71-PORT2	5/19/20	680-184196-1	SW8260B
WG	DUP349	OLF-G71-PORT2	5/19/20	680-184196-1	SW9060A
WG	DUP350	OLF-G73-PORT1	5/18/20	680-184196-1	RSK-175
WG	DUP350	OLF-G73-PORT1	5/18/20	680-184196-1	SW8260B
WG	DUP350	OLF-G73-PORT1	5/18/20	680-184196-1	SW9060A
WG	DUP336	OLF-G52	11/11/19	680-176985-1	SW8260B
WG	DUP337	OLF-G74-PORT1	11/11/19	680-176987-1	SW8260B
WG	DUP337	OLF-G74-PORT1	11/11/19	680-176987-1	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
						FD Value	Lab Flag	NS Value	Lab Flag				
OLF-G12	WG	11/19/19	680-177221-1	SW8260B	1,1,2,2-Tetrachloroethane	150		150		µg/L	0	480	1000
OLF-G12	WG	11/19/19	680-177221-1	SW8260B	1,1,2-Trichloroethane	3.6		3.6		µg/L	0	3.1	5
OLF-G12	WG	11/19/19	680-177221-1	SW8260B	Cis-1,2-Dichloroethene	21		20		µg/L	4.9	1.7	5
OLF-G12	WG	11/19/19	680-177221-1	SW8260B	Tetrachloroethylene	1.2		1.2		µg/L	0.0	2.1	5
OLF-G12	WG	11/19/19	680-177221-1	SW8260B	Trans-1,2-Dichloroethene	9.5		9.3		µg/L	2	1.9	5
OLF-G12	WG	11/19/19	680-177221-1	SW8260B	Trichloroethene	120		110		µg/L	9	2.4	5
OLF-G43	WG	5/20/20	680-184196-1	SW8260B	Trichloroethene	1.3		0.8	J	µg/L	47.6	0.4	1
OLF-G52	WG	11/11/19	680-176985-1	SW8260B	Cis-1,2-Dichloroethene	1.1	H	1.4		µg/L	24.0	480	1000
OLF-G52	WG	11/11/19	680-176985-1	SW8260B	Trichloroethene	7.7	H	6.6		µg/L	15	0.36	1
OLF-G70	WG	11/18/19	680-177221-1	SW8260B	Cis-1,2-Dichloroethene	1.2		1.5		µg/L	22.22	0.43	1
OLF-G70	WG	11/18/19	680-177221-1	SW8260B	Trichloroethene	8.3		6.8		µg/L	19.9	0.26	1
OLF-G71-PORT2	WG	5/19/20	680-184196-1	SW8260B	1,2-Dichloroethane	1.9		0.55	J	µg/L	110.2	0.41	1
OLF-G71-PORT2	WG	5/19/20	680-184196-1	SW8260B	Benzene	1.8		0.65	J	µg/L	93.9	0.37	1
OLF-G71-PORT2	WG	5/19/20	680-184196-1	SW8260B	Chlorobenzene	37		1.6		µg/L	183.4	0.48	1
OLF-G71-PORT2	WG	5/19/20	680-184196-1	SW8260B	Cis-1,2-Dichloroethene	2.7		43		µg/L	176.4	0.5	1
OLF-G71-PORT2	WG	5/19/20	680-184196-1	SW8260B	Toluene	8.7		2.4		µg/L	113.5	0.4	1
OLF-G71-PORT2	WG	5/19/20	680-184196-1	SW8260B	Trans-1,2-Dichloroethene	4.4		3.3		µg/L	28.57	480	1000
OLF-G71-PORT2	WG	5/19/20	680-184196-1	SW8260B	Trichloroethene	0.7	J	3.4		µg/L	131.7	0.62	1
OLF-G71-PORT2	WG	5/19/20	680-184196-1	SW8260B	Vinyl Chloride	0.84	J	2.5		µg/L	99.4	0.33	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	RSK-175	Ethane	59		65		µg/L	9.68	0.36	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	RSK-175	Ethene	80		86		µg/L	7.23	0.5	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	RSK-175	Methane	11000		13000		µg/L	16.7	0.46	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	SW8260B	1,2-Dichloroethane	1.5		1.4		µg/L	6.9	0.43	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	SW8260B	Chlorobenzene	55		58		µg/L	5.3	0.26	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	SW8260B	Chloroethane	8.6		8.9		µg/L	3.43	0.41	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	SW8260B	Toluene	2.8		1.9		µg/L	38.3	0.48	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	SW9060A	Total Organic Carbon	1.8		2.1		mg/L	15.4	0.37	1
OLF-G73-PORT1	WG	5/18/20	680-184196-1	SW9060A	Total Organic Carbon (Quad)	1.8		2.1		mg/L	15.38	0.48	1
OLF-G74-PORT1	WG	11/11/19	680-176987-1	SW8260B	1,1,2,2-Tetrachloroethane	2.7		3		µg/L	10.5	0.5	1
OLF-G74-PORT1	WG	11/11/19	680-176987-1	SW8260B	Cis-1,2-Dichloroethene	1.9		2.1		µg/L	10.0	0.4	1
OLF-G74-PORT1	WG	11/11/19	680-176987-1	SW8260B	Toluene	0.61	J	0.52	J	µg/L	15.93	480	1000
OLF-G74-PORT1	WG	11/11/19	680-176987-1	SW8260B	Trans-1,2-Dichloroethene	0.42	J	0.63	J	µg/L	40.0	0.5	1
OLF-G74-PORT1	WG	11/11/19	680-176987-1	SW8260B	Trichloroethene	1.9		2.7		µg/L	34.8	0.43	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
						FD Value	Lab Flag	NS Value	Lab Flag				
OLF-G77	WG	11/20/19	680-177221-1	RSK-175	Ethane	2.9		3.2		µg/L	9.8	0.26	1
OLF-G77	WG	11/20/19	680-177221-1	RSK-175	Ethene	26		29		µg/L	10.9	0.41	1
OLF-G77	WG	11/20/19	680-177221-1	RSK-175	Methane	760		760		µg/L	0.0	0.48	1
OLF-G77	WG	11/20/19	680-177221-1	SW8260B	1,1,2,2-Tetrachloroethane	820	H	1100		µg/L	29.2	0.37	1
OLF-G77	WG	11/20/19	680-177221-1	SW8260B	1,1,2-Trichloroethane	21		25		µg/L	17.4	0.48	1
OLF-G77	WG	11/20/19	680-177221-1	SW8260B	Chlorobenzene	12		14		µg/L	15.4	0.5	1
OLF-G77	WG	11/20/19	680-177221-1	SW8260B	Cis-1,2-Dichloroethene	190	H	290		µg/L	41.7	0.4	1
OLF-G77	WG	11/20/19	680-177221-1	SW8260B	Tetrachloroethylene	6.2		7.5	J	µg/L	19.0	0.62	1
OLF-G77	WG	11/20/19	680-177221-1	SW8260B	Trans-1,2-Dichloroethene	140		140		µg/L	0.0	0.41	1
OLF-G77	WG	11/20/19	680-177221-1	SW8260B	Trichloroethene	490	H	640		µg/L	26.55	0.37	1
OLF-G77	WG	11/20/19	680-177221-1	SW8260B	Vinyl Chloride	8.2		8.7	J	µg/L	5.92	0.48	1
OLF-G77	WG	11/20/19	680-177221-1	SW9060A	Total Organic Carbon	0.98	J	0.95	J	mg/L	3.1	480	1000
OLF-G77	WG	11/20/19	680-177221-1	SW9060A	Total Organic Carbon (Quad)	0.98	J	0.95	J	mg/L	3.1	0.33	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	680-176985-1/ 176987-1	11/25/19	680-597746	W	Ethane	92	91	75	125	1.1	30
RSK-175	680-176985-1/ 176987-1	11/25/19	680-597746	W	Ethene	93	91	75	125	2.2	30
RSK-175	680-176985-1/ 176987-1	11/25/19	680-597746	W	Methane	97	95	75	125	2.1	30
RSK-175	680-176985-1/ 176987-1	11/25/19	680-597746	W	Methane	120	107	75	125	11	30
RSK-175	680-177221-1	12/1/19	680-598601	W	Ethane	97	104	75	125	7.0	30
RSK-175	680-177221-1	12/1/19	680-598601	W	Ethene	96	104	75	125	8.0	30
RSK-175	680-177221-1	12/2/19	680-598674	W	Ethane	89	92	75	125	3.3	30
RSK-175	680-177221-1	12/2/19	680-598674	W	Ethene	84	92	75	125	9.1	30
RSK-175	680-177221-1	12/2/19	680-598674	W	Methane	92	95	75	125	3.2	30
RSK-175	680-177221-1	12/2/19	680-598674	W	Methane	99	100	75	125	1.0	30
RSK-175	680-184196-1	5/31/20	680-620600	W	Ethane	106	119	75	125	12	30
RSK-175	680-184196-1	5/31/20	680-620600	W	Ethene	106	116	75	125	9.0	30
RSK-175	680-184196-1	5/31/20	680-620600	W	Methane	91	96	75	125	5.3	30
RSK-175	680-184196-1	5/31/20	680-620600	W	Methane	104	118	75	125	13	30
RSK-175	680-184196-1	6/1/20	680-620646	W	Ethane	100	96	75	125	4.1	30
RSK-175	680-184196-1	6/1/20	680-620646	W	Ethene	99	96	75	125	3.1	30
RSK-175	680-184196-1	6/1/20	680-620646	W	Methane	99	95	75	125	4.1	30
RSK-175	680-184196-1	6/1/20	680-620646	W	Methane	100	103	75	125	3.0	30
RSK-175	680-184196-1	6/3/20	680-621012	W	Ethane	99	100	75	125	1.0	30
RSK-175	680-184196-1	6/3/20	680-621012	W	Ethene	97	99	75	125	2.0	30
RSK-175	680-184196-1	6/3/20	680-621012	W	Methane	98	100	75	125	2.0	30
RSK-175	680-184196-1	6/3/20	680-621012	W	Methane	100	101	75	125	1.0	30
RSK-175	680-184447	6/4/20	680-621209	W	Ethane	114	120	75	125	5.1	30
RSK-175	680-184447	6/4/20	680-621209	W	Ethene	113	119	75	125	5.2	30
RSK-175	680-184447	6/4/20	680-621209	W	Methane	100	104	75	125	3.9	30
RSK-175	680-184447	6/4/20	680-621209	W	Methane	114	120	75	125	5.1	30
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,1,1,2-Tetrachloroethane	107	107	80	121	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	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,1,1-Trichloroethane	105	106	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,1,2,2-Tetrachloroethane	101	100	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	101	101	79	124	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,1,2-Trichloroethane	104	103	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,1-Dichloroethane	106	108	80	120	1.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,1-Dichloroethene	110	107	76	120	2.8	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,1-Dichloropropene	103	104	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2,3-Trichlorobenzene	126	133	61	141	5.4	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2,3-Trichloropropane	99	97	80	123	2.0	30
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2,4-Trichlorobenzene	118	120	68	128	1.7	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2,4-Trimethylbenzene	112	111	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2-Dibromo-3-Chloropropane	107	111	71	134	3.7	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2-Dibromoethane	104	103	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2-Dichlorobenzene	105	104	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2-Dichloroethane	108	106	80	120	1.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,2-Dichloropropane	111	110	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,3,5-Trimethylbenzene	110	111	80	120	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	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,3-Dichlorobenzene	107	107	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,3-Dichloropropane	105	102	80	120	2.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	1,4-Dichlorobenzene	106	105	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	2,2-Dichloropropane	129	128	76	126	0.8	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	2-Butanone (MEK)	105	102	80	131	2.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	2-Chlorotoluene	108	107	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	2-Hexanone	106	105	74	127	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	4-Chlorotoluene	108	107	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	4-Methyl-2-Pentanone (MIBK)	99	97	76	124	2.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Acetone	90	90	70	135	0	30
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Acrylonitrile	103	101	80	123	2.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Benzene	101	102	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Bromobenzene	109	108	80	121	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Bromochloromethane	107	107	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Bromodichloromethane	109	108	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Bromoform	103	103	74	126	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Bromomethane	115	113	62	130	1.8	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	680-176985-1/ 176987-1	11/21/19	680-597216	W	Carbon Disulfide	105	109	80	120	3.7	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Carbon Tetrachloride	105	105	76	123	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Chlorobenzene	106	106	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Chloroethane	94	97	66	135	3.1	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Chloroform	106	106	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Chloromethane	113	115	69	131	1.8	30
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Cis-1,2-Dichloroethene	115	112	80	120	2.6	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Cis-1,3-Dichloropropene	114	112	80	120	1.8	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Dibromochloromethane	107	106	80	121	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Dibromomethane	110	108	80	120	1.8	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Dichlorodifluoromethane	112	116	47	155	3.5	40
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Ethylbenzene	105	106	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Hexachlorobutadiene	127	129	60	140	1.6	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Iodomethane	107	111	52	142	3.7	30
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Isopropyl Benzene (Cumene)	107	108	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	m,p-Xylene	100	102	80	120	2.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Methylene Chloride	103	103	80	120	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	680-176985-1/ 176987-1	11/21/19	680-597216	W	Mtbe	110	105	80	120	4.7	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Naphthalene	119	127	59	140	6.5	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	N-Butylbenzene	100	101	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	N-Propylbenzene	107	108	80	120	0.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	O-Xylene	107	107	80	120	0	30
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	P-Isopropyltoluene (Cymene)	107	109	80	120	1.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Sec-Butylbenzene	108	111	80	120	2.7	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Styrene	117	117	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Tert-Butylbenzene	108	110	80	121	1.8	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Tetrachloroethylene	110	110	80	121	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Toluene	110	110	80	113	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Trans-1,2-Dichloroethene	107	109	80	120	1.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Trans-1,3-Dichloropropene	106	105	80	120	0.9	30
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Trans-1,4-Dichloro-2-Butene	112	112	68	125	0	30
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Trichloroethene	107	107	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Trichlorofluoromethane	103	106	60	141	2.9	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Vinyl Acetate	110	107	67	135	2.8	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	680-176985-1/ 176987-1	11/21/19	680-597216	W	Vinyl Chloride	105	110	71	128	4.7	20
SW8260B	680-176985-1/ 176987-1	11/21/19	680-597216	W	Xylenes (Total)	104	104	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,1,1,2-Tetrachloroethane	93	94	80	121	1.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,1,1-Trichloroethane	98	101	80	120	3.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,1,2,2-Tetrachloroethane	95	96	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	101	104	79	124	2.9	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,1,2-Trichloroethane	96	100	80	120	4.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,1-Dichloroethane	96	99	80	120	3.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,1-Dichloroethene	99	102	76	120	3.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,1-Dichloropropene	100	103	80	120	3.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2,3-Trichlorobenzene	100	106	61	141	5.8	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2,3-Trichloropropane	92	94	80	123	2.2	30
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2,4-Trichlorobenzene	105	108	68	128	2.8	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2,4-Trimethylbenzene	98	99	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2-Dibromo-3-Chloropropane	92	96	71	134	4.3	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2-Dibromoethane	96	99	80	120	3.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2-Dichlorobenzene	103	108	80	120	4.7	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	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2-Dichloroethane	96	101	80	120	5.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,2-Dichloropropane	93	97	80	120	4.2	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,3,5-Trimethylbenzene	99	101	80	120	2.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,3-Dichlorobenzene	102	103	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,3-Dichloropropane	97	100	80	120	3.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	1,4-Dichlorobenzene	101	100	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	2,2-Dichloropropane	103	104	76	126	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	2-Butanone (MEK)	95	98	80	131	3.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	2-Chlorotoluene	98	98	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	2-Hexanone	90	93	74	127	3.3	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	4-Chlorotoluene	96	97	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	4-Methyl-2-Pentanone (MIBK)	100	104	76	124	3.9	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Acetone	86	92	70	135	6.7	30
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Acrylonitrile	94	97	80	123	3.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Benzene	100	101	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Bromobenzene	98	100	80	121	2.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Bromochloromethane	94	97	80	120	3.1	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	680-176985-1/ 176987-1	11/23/19	680-597626	W	Bromodichloromethane	94	101	80	120	7.2	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Bromoform	89	91	74	126	2.2	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Bromomethane	92	100	62	130	8.3	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Carbon Disulfide	100	102	80	120	2.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Carbon Tetrachloride	99	103	76	123	4.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Chlorobenzene	99	99	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Chloroethane	94	97	66	135	3.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Chloroform	99	103	80	120	4.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Chloromethane	78	83	69	131	6.2	30
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Cis-1,2-Dichloroethene	101	103	80	120	2.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Cis-1,3-Dichloropropene	95	101	80	120	6.1	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Dibromochloromethane	93	96	80	121	3.2	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Dibromomethane	93	101	80	120	8.2	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Dichlorodifluoromethane	115	118	47	155	2.6	40
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Ethylbenzene	102	102	80	120	0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Hexachlorobutadiene	109	114	60	140	4.5	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Iodomethane	85	86	52	142	1.2	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	680-176985-1/ 176987-1	11/23/19	680-597626	W	Isopropyl Benzene (Cumene)	101	102	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	m,p-Xylene	98	100	80	120	2.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Methylene Chloride	88	91	80	120	3.4	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Mtbe	93	96	80	120	3.2	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Naphthalene	104	106	59	140	1.9	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	N-Butylbenzene	107	111	80	120	3.7	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	N-Propylbenzene	98	99	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	O-Xylene	100	101	80	120	1.0	30
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	P-Isopropyltoluene (Cymene)	103	104	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Sec-Butylbenzene	99	103	80	120	4.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Styrene	97	98	80	120	1.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Tert-Butylbenzene	98	98	80	121	0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Tetrachloroethylene	103	107	80	121	3.8	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Toluene	100	104	80	113	3.9	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Trans-1,2-Dichloroethene	100	103	80	120	3.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Trans-1,3-Dichloropropene	94	98	80	120	4.2	30
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Trans-1,4-Dichloro-2-Butene	88	100	68	125	13	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	680-176985-1/ 176987-1	11/23/19	680-597626	W	Trichloroethene	101	99	80	120	2.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Trichlorofluoromethane	99	101	60	141	2.0	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Vinyl Acetate	104	106	67	135	1.9	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Vinyl Chloride	100	104	71	128	3.9	20
SW8260B	680-176985-1/ 176987-1	11/23/19	680-597626	W	Xylenes (Total)	99	101	80	120	2.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,1,1,2-Tetrachloroethane	93	93	80	121	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,1,1-Trichloroethane	96	98	80	120	2.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,1,2,2-Tetrachloroethane	88	89	80	120	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	100	99	79	124	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,1,2-Trichloroethane	91	92	80	120	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,1-Dichloroethane	93	94	80	120	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,1-Dichloroethene	98	95	76	120	3.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,1-Dichloropropene	98	98	80	120	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2,3-Trichlorobenzene	100	98	61	141	2.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2,3-Trichloropropane	86	87	80	123	1.2	30
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2,4-Trichlorobenzene	103	102	68	128	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2,4-Trimethylbenzene	97	98	80	120	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2-Dibromo-3-Chloropropane	84	86	71	134	2.4	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2-Dibromoethane	91	92	80	120	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2-Dichlorobenzene	100	106	80	120	5.8	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2-Dichloroethane	93	99	80	120	6.3	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,2-Dichloropropane	95	94	80	120	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,3,5-Trimethylbenzene	99	98	80	120	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,3-Dichlorobenzene	100	100	80	120	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,3-Dichloropropane	91	92	80	120	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	1,4-Dichlorobenzene	100	99	80	120	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	2,2-Dichloropropane	101	100	76	126	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	2-Butanone (MEK)	82	85	80	131	3.6	20
SW8260B	680-176985-1	11/25/19	680-597773	W	2-Chlorotoluene	97	96	80	120	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	680-176985-1	11/25/19	680-597773	W	2-Hexanone	79	80	74	127	1.3	20
SW8260B	680-176985-1	11/25/19	680-597773	W	4-Chlorotoluene	96	98	80	120	2.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	4-Methyl-2-Pentanone (MIBK)	88	91	76	124	3.4	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Acetone	78	80	70	135	2.5	30
SW8260B	680-176985-1	11/25/19	680-597773	W	Acrylonitrile	84	84	80	123	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Benzene	97	99	80	120	2.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Bromobenzene	97	100	80	121	3.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Bromochloromethane	91	92	80	120	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Bromodichloromethane	95	99	80	120	4.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Bromoform	89	89	74	126	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Bromomethane	74	81	62	130	9.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Carbon Disulfide	98	98	80	120	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Carbon Tetrachloride	99	99	76	123	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Chlorobenzene	97	97	80	120	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Chloroethane	90	88	66	135	2.2	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Chloroform	97	98	80	120	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Chloromethane	80	82	69	131	2.5	30
SW8260B	680-176985-1	11/25/19	680-597773	W	Cis-1,2-Dichloroethene	99	100	80	120	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Cis-1,3-Dichloropropene	96	99	80	120	3.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Dibromochloromethane	91	92	80	121	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Dibromomethane	94	97	80	120	3.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Dichlorodifluoromethane	109	109	47	155	0	40
SW8260B	680-176985-1	11/25/19	680-597773	W	Ethylbenzene	100	100	80	120	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Hexachlorobutadiene	114	111	60	140	2.7	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Iodomethane	87	89	52	142	2.3	30
SW8260B	680-176985-1	11/25/19	680-597773	W	Isopropyl Benzene (Cumene)	102	102	80	120	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	m,p-Xylene	97	98	80	120	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Methylene Chloride	84	85	80	120	1.2	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Mtbe	88	89	80	120	1.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Naphthalene	96	96	59	140	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	N-Butylbenzene	106	110	80	120	3.7	20
SW8260B	680-176985-1	11/25/19	680-597773	W	N-Propylbenzene	98	96	80	120	2.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	O-Xylene	99	98	80	120	1.0	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	680-176985-1	11/25/19	680-597773	W	P-Isopropyltoluene (Cymene)	103	102	80	120	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Sec-Butylbenzene	98	99	80	120	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Styrene	96	94	80	120	2.1	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Tert-Butylbenzene	98	98	80	121	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Tetrachloroethylene	103	102	80	121	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Toluene	98	97	80	113	1.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Trans-1,2-Dichloroethene	99	99	80	120	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Trans-1,3-Dichloropropene	93	93	80	120	0	30
SW8260B	680-176985-1	11/25/19	680-597773	W	Trans-1,4-Dichloro-2-Butene	82	89	68	125	8.2	30
SW8260B	680-176985-1	11/25/19	680-597773	W	Trichloroethene	99	101	80	120	2.0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Trichlorofluoromethane	101	101	60	141	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Vinyl Acetate	99	99	67	135	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Vinyl Chloride	97	97	71	128	0	20
SW8260B	680-176985-1	11/25/19	680-597773	W	Xylenes (Total)	98	98	80	120	0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,1,1,2-Tetrachloroethane	103	102	80	121	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,1,1-Trichloroethane	102	101	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,1,2,2-Tetrachloroethane	98	96	80	120	2.1	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	99	100	79	124	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,1,2-Trichloroethane	102	99	80	120	3.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,1-Dichloroethane	107	104	80	120	2.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,1-Dichloroethene	103	104	76	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,1-Dichloropropene	105	104	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2,3-Trichlorobenzene	130	127	61	141	2.3	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2,3-Trichloropropane	98	96	80	123	2.1	30
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2,4-Trichlorobenzene	116	115	68	128	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2,4-Trimethylbenzene	110	109	80	120	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2-Dibromo-3-Chloropropane	101	100	71	134	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2-Dibromoethane	104	101	80	120	2.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2-Dichlorobenzene	104	103	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2-Dichloroethane	106	102	80	120	3.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,2-Dichloropropane	107	104	80	120	2.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,3,5-Trimethylbenzene	109	108	80	120	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,3-Dichlorobenzene	103	104	80	120	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	680-176985-1	11/26/19	680-598045	W	1,3-Dichloropropane	101	102	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	1,4-Dichlorobenzene	101	102	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	2,2-Dichloropropane	121	120	76	126	0.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	2-Butanone (MEK)	103	102	80	131	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	2-Chlorotoluene	107	106	80	120	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	2-Hexanone	103	100	74	127	3.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	4-Chlorotoluene	107	106	80	120	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	4-Methyl-2-Pentanone (MIBK)	97	94	76	124	3.1	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Acetone	93	89	70	135	4.4	30
SW8260B	680-176985-1	11/26/19	680-598045	W	Acrylonitrile	104	103	80	123	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Benzene	99	100	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Bromobenzene	104	103	80	121	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Bromochloromethane	107	108	80	120	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Bromodichloromethane	104	104	80	120	0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Bromoform	93	91	74	126	2.2	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Bromomethane	107	98	62	130	8.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Carbon Disulfide	110	112	80	120	1.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Carbon Tetrachloride	98	98	76	123	0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Chlorobenzene	104	105	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Chloroethane	99	98	66	135	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Chloroform	106	106	80	120	0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Chloromethane	117	116	69	131	0.9	30
SW8260B	680-176985-1	11/26/19	680-598045	W	Cis-1,2-Dichloroethene	111	110	80	120	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Cis-1,3-Dichloropropene	107	106	80	120	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Dibromochloromethane	99	99	80	121	0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Dibromomethane	104	104	80	120	0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Dichlorodifluoromethane	103	95	47	155	8.1	40
SW8260B	680-176985-1	11/26/19	680-598045	W	Ethylbenzene	103	104	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Hexachlorobutadiene	136	131	60	140	3.7	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Iodomethane	102	101	52	142	1.0	30
SW8260B	680-176985-1	11/26/19	680-598045	W	Isopropyl Benzene (Cumene)	108	105	80	120	2.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	m,p-Xylene	100	99	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Methylene Chloride	104	101	80	120	2.9	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	680-176985-1	11/26/19	680-598045	W	Mtbe	103	101	80	120	2.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Naphthalene	127	126	59	140	0.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	N-Butylbenzene	100	101	80	120	1.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	N-Propylbenzene	107	106	80	120	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	O-Xylene	104	105	80	120	1.0	30
SW8260B	680-176985-1	11/26/19	680-598045	W	P-Isopropyltoluene (Cymene)	107	109	80	120	1.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Sec-Butylbenzene	111	109	80	120	1.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Styrene	106	106	80	120	0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Tert-Butylbenzene	108	107	80	121	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Tetrachloroethylene	110	109	80	121	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Toluene	109	110	80	113	0.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Trans-1,2-Dichloroethene	104	107	80	120	2.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Trans-1,3-Dichloropropene	107	105	80	120	1.9	30
SW8260B	680-176985-1	11/26/19	680-598045	W	Trans-1,4-Dichloro-2-Butene	89	98	68	125	9.6	30
SW8260B	680-176985-1	11/26/19	680-598045	W	Trichloroethene	108	106	80	120	1.9	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Trichlorofluoromethane	101	98	60	141	3.0	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Vinyl Acetate	113	111	67	135	1.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Vinyl Chloride	107	103	71	128	3.8	20
SW8260B	680-176985-1	11/26/19	680-598045	W	Xylenes (Total)	102	102	80	120	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,1,1,2-Tetrachloroethane	118	117	80	121	0.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,1,1-Trichloroethane	94	94	80	120	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,1,2,2-Tetrachloroethane	103	99	80	120	4.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	117	114	79	124	2.6	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,1,2-Trichloroethane	100	94	80	120	6.2	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,1-Dichloroethane	94	94	80	120	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,1-Dichloroethene	103	102	76	120	1.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,1-Dichloropropene	102	103	80	120	1.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,2,3-Trichlorobenzene	105	103	61	141	1.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,2,3-Trichloropropane	106	101	80	123	4.8	30
SW8260B	680-176985-1	12/3/19	680-598866	W	1,2,4-Trichlorobenzene	108	105	68	128	2.8	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,2,4-Trimethylbenzene	112	108	80	120	3.6	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,2-Dibromo-3-Chloropropane	91	85	71	134	6.8	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,2-Dibromoethane	104	100	80	120	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	680-176985-1	12/3/19	680-598866	W	1,2-Dichlorobenzene	104	102	80	120	1.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,2-Dichloroethane	84	81	80	120	3.6	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,2-Dichloropropane	98	95	80	120	3.1	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,3,5-Trimethylbenzene	111	110	80	120	0.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,3-Dichlorobenzene	104	103	80	120	1.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,3-Dichloropropane	101	96	80	120	5.1	20
SW8260B	680-176985-1	12/3/19	680-598866	W	1,4-Dichlorobenzene	101	99	80	120	2.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	2,2-Dichloropropane	93	93	76	126	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	2-Butanone (MEK)	89	85	80	131	4.6	20
SW8260B	680-176985-1	12/3/19	680-598866	W	2-Chlorotoluene	107	107	80	120	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	2-Hexanone	71	68	74	127	4.3	20
SW8260B	680-176985-1	12/3/19	680-598866	W	4-Chlorotoluene	107	104	80	120	2.8	20
SW8260B	680-176985-1	12/3/19	680-598866	W	4-Methyl-2-Pentanone (MIBK)	76	73	76	124	4.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Acetone	77	77	70	135	0	30
SW8260B	680-176985-1	12/3/19	680-598866	W	Acrylonitrile	85	82	80	123	3.6	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Benzene	101	101	80	120	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Bromobenzene	123	120	80	121	2.5	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Bromochloromethane	118	115	80	120	2.6	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Bromodichloromethane	92	89	80	120	3.3	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Bromoform	118	113	74	126	4.3	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Bromomethane	203	211	62	130	3.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Carbon Disulfide	102	103	80	120	1.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Carbon Tetrachloride	100	99	76	123	1.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Chlorobenzene	120	119	80	120	0.8	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Chloroethane	92	92	66	135	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Chloroform	95	95	80	120	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Chloromethane	79	78	69	131	1.3	30
SW8260B	680-176985-1	12/3/19	680-598866	W	Cis-1,2-Dichloroethene	90	88	80	120	2.2	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Cis-1,3-Dichloropropene	100	97	80	120	3.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Dibromochloromethane	107	102	80	121	4.8	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Dibromomethane	98	95	80	120	3.1	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Dichlorodifluoromethane	95	91	47	155	4.3	40
SW8260B	680-176985-1	12/3/19	680-598866	W	Ethylbenzene	112	110	80	120	1.8	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	680-176985-1	12/3/19	680-598866	W	Hexachlorobutadiene	111	109	60	140	1.8	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Iodomethane	110	111	52	142	0.9	30
SW8260B	680-176985-1	12/3/19	680-598866	W	Isopropyl Benzene (Cumene)	115	114	80	120	0.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	m,p-Xylene	108	107	80	120	0.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Methylene Chloride	98	96	80	120	2.1	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Mtbe	87	84	80	120	3.5	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Naphthalene	95	92	59	140	3.2	20
SW8260B	680-176985-1	12/3/19	680-598866	W	N-Butylbenzene	93	94	80	120	1.1	20
SW8260B	680-176985-1	12/3/19	680-598866	W	N-Propylbenzene	111	110	80	120	0.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	O-Xylene	109	107	80	120	1.9	30
SW8260B	680-176985-1	12/3/19	680-598866	W	P-Isopropyltoluene (Cymene)	99	99	80	120	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Sec-Butylbenzene	115	114	80	120	0.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Styrene	113	111	80	120	1.8	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Tert-Butylbenzene	117	117	80	121	0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Tetrachloroethylene	122	120	80	121	1.7	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Toluene	108	107	80	113	0.9	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Trans-1,2-Dichloroethene	104	105	80	120	1.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Trans-1,3-Dichloropropene	98	96	80	120	2.1	30
SW8260B	680-176985-1	12/3/19	680-598866	W	Trans-1,4-Dichloro-2-Butene	81	79	68	125	2.5	30
SW8260B	680-176985-1	12/3/19	680-598866	W	Trichloroethene	118	116	80	120	1.7	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Trichlorofluoromethane	100	99	60	141	1.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Vinyl Acetate	98	93	67	135	5.2	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Vinyl Chloride	95	96	71	128	1.0	20
SW8260B	680-176985-1	12/3/19	680-598866	W	Xylenes (Total)	109	107	80	120	1.9	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,1,1,2-Tetrachloroethane	92	93	80	121	1.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,1,1-Trichloroethane	94	99	80	120	5.2	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,1,2,2-Tetrachloroethane	97	90	80	120	7.5	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	106	112	79	124	5.5	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,1,2-Trichloroethane	94	102	80	120	8.2	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,1-Dichloroethane	98	105	80	120	6.9	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,1-Dichloroethene	110	116	76	120	5.3	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,1-Dichloropropene	98	104	80	120	5.9	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,2,3-Trichlorobenzene	100	101	61	141	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	680-176987-1	11/22/19	680-597434	W	1,2,3-Trichloropropane	90	85	80	123	5.7	30
SW8260B	680-176987-1	11/22/19	680-597434	W	1,2,4-Trichlorobenzene	97	98	68	128	1.0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,2,4-Trimethylbenzene	92	93	80	120	1.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,2-Dibromo-3-Chloropropane	111	111	71	134	0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,2-Dibromoethane	92	101	80	120	9.3	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,2-Dichlorobenzene	91	91	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,2-Dichloroethane	84	87	80	120	3.5	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,2-Dichloropropane	102	102	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,3,5-Trimethylbenzene	89	92	80	120	3.3	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,3-Dichlorobenzene	95	94	80	120	1.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,3-Dichloropropane	90	99	80	120	9.5	20
SW8260B	680-176987-1	11/22/19	680-597434	W	1,4-Dichlorobenzene	94	93	80	120	1.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	2,2-Dichloropropane	98	103	76	126	5.0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	2-Butanone (MEK)	97	108	80	131	11	20
SW8260B	680-176987-1	11/22/19	680-597434	W	2-Chlorotoluene	91	90	80	120	1.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	2-Hexanone	103	113	74	127	9.3	20
SW8260B	680-176987-1	11/22/19	680-597434	W	4-Chlorotoluene	88	91	80	120	3.4	20
SW8260B	680-176987-1	11/22/19	680-597434	W	4-Methyl-2-Pentanone (MIBK)	91	110	76	124	19	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Acetone	97	110	70	135	13	30
SW8260B	680-176987-1	11/22/19	680-597434	W	Acrylonitrile	101	112	80	123	10	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Benzene	98	104	80	120	5.9	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Bromobenzene	92	85	80	121	7.9	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Bromochloromethane	89	96	80	120	7.6	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Bromodichloromethane	96	95	80	120	1.0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Bromoform	100	98	74	126	2.0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Bromomethane	77	84	62	130	8.7	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Carbon Disulfide	108	114	80	120	5.4	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Carbon Tetrachloride	96	101	76	123	5.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Chlorobenzene	94	94	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Chloroethane	95	98	66	135	3.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Chloroform	91	97	80	120	6.4	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Chloromethane	95	100	69	131	5.1	30
SW8260B	680-176987-1	11/22/19	680-597434	W	Cis-1,2-Dichloroethene	98	106	80	120	7.8	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	680-176987-1	11/22/19	680-597434	W	Cis-1,3-Dichloropropene	92	108	80	120	16	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Dibromochloromethane	95	103	80	121	8.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Dibromomethane	92	94	80	120	2.2	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Dichlorodifluoromethane	111	113	47	155	1.8	40
SW8260B	680-176987-1	11/22/19	680-597434	W	Ethylbenzene	98	97	80	120	1.0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Hexachlorobutadiene	107	106	60	140	0.9	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Iodomethane	80	85	52	142	6.1	30
SW8260B	680-176987-1	11/22/19	680-597434	W	Isopropyl Benzene (Cumene)	99	94	80	120	5.2	20
SW8260B	680-176987-1	11/22/19	680-597434	W	m,p-Xylene	96	96	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Methylene Chloride	93	101	80	120	8.2	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Mtbe	93	102	80	120	9.2	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Naphthalene	108	109	59	140	0.9	20
SW8260B	680-176987-1	11/22/19	680-597434	W	N-Butylbenzene	106	103	80	120	2.9	20
SW8260B	680-176987-1	11/22/19	680-597434	W	N-Propylbenzene	96	91	80	120	5.3	20
SW8260B	680-176987-1	11/22/19	680-597434	W	O-Xylene	97	96	80	120	1.0	30
SW8260B	680-176987-1	11/22/19	680-597434	W	P-Isopropyltoluene (Cymene)	103	100	80	120	3.0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Sec-Butylbenzene	97	97	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Styrene	104	104	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Tert-Butylbenzene	92	92	80	121	0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Tetrachloroethylene	93	101	80	121	8.2	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Toluene	89	102	80	113	14	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Trans-1,2-Dichloroethene	100	107	80	120	6.8	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Trans-1,3-Dichloropropene	87	97	80	120	11	30
SW8260B	680-176987-1	11/22/19	680-597434	W	Trans-1,4-Dichloro-2-Butene	101	95	68	125	6.1	30
SW8260B	680-176987-1	11/22/19	680-597434	W	Trichloroethene	93	94	80	120	1.1	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Trichlorofluoromethane	92	97	60	141	5.3	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Vinyl Acetate	102	109	67	135	6.6	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Vinyl Chloride	99	103	71	128	4.0	20
SW8260B	680-176987-1	11/22/19	680-597434	W	Xylenes (Total)	97	96	80	120	1.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,1,1,2-Tetrachloroethane	95	93	80	121	2.1	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,1,1-Trichloroethane	97	96	80	120	1.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,1,2,2-Tetrachloroethane	96	95	80	120	1.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	110	107	79	124	2.8	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	680-176987-1	11/22/19	680-597481	W	1,1,2-Trichloroethane	106	103	80	120	2.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,1-Dichloroethane	104	102	80	120	1.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,1-Dichloroethene	110	102	76	120	7.5	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,1-Dichloropropene	100	97	80	120	3.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2,3-Trichlorobenzene	101	101	61	141	0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2,3-Trichloropropane	93	92	80	123	1.1	30
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2,4-Trichlorobenzene	106	103	68	128	2.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2,4-Trimethylbenzene	99	97	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2-Dibromo-3-Chloropropane	95	94	71	134	1.1	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2-Dibromoethane	106	104	80	120	1.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2-Dichlorobenzene	104	101	80	120	2.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2-Dichloroethane	89	90	80	120	1.1	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,2-Dichloropropane	97	92	80	120	5.3	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,3,5-Trimethylbenzene	100	99	80	120	1.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,3-Dichlorobenzene	102	100	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,3-Dichloropropane	107	104	80	120	2.8	20
SW8260B	680-176987-1	11/22/19	680-597481	W	1,4-Dichlorobenzene	100	98	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	2,2-Dichloropropane	99	109	76	126	9.6	20
SW8260B	680-176987-1	11/22/19	680-597481	W	2-Butanone (MEK)	92	99	80	131	7.3	20
SW8260B	680-176987-1	11/22/19	680-597481	W	2-Chlorotoluene	99	97	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	2-Hexanone	98	94	74	127	4.2	20
SW8260B	680-176987-1	11/22/19	680-597481	W	4-Chlorotoluene	96	96	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	4-Methyl-2-Pentanone (MIBK)	108	104	76	124	3.8	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Acetone	92	93	70	135	1.1	30
SW8260B	680-176987-1	11/22/19	680-597481	W	Acrylonitrile	101	99	80	123	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Benzene	101	97	80	120	4.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Bromobenzene	100	99	80	121	1.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Bromochloromethane	96	90	80	120	6.5	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Bromodichloromethane	108	95	80	120	13	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Bromoform	92	93	74	126	1.1	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Bromomethane	109	116	62	130	6.2	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Carbon Disulfide	109	106	80	120	2.8	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Carbon Tetrachloride	99	99	76	123	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	680-176987-1	11/22/19	680-597481	W	Chlorobenzene	99	98	80	120	1.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Chloroethane	104	102	66	135	1.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Chloroform	101	90	80	120	12	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Chloromethane	92	91	69	131	1.1	30
SW8260B	680-176987-1	11/22/19	680-597481	W	Cis-1,2-Dichloroethene	103	109	80	120	5.7	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Cis-1,3-Dichloropropene	107	105	80	120	1.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Dibromochloromethane	105	102	80	121	2.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Dibromomethane	102	98	80	120	4.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Dichlorodifluoromethane	127	123	47	155	3.2	40
SW8260B	680-176987-1	11/22/19	680-597481	W	Ethylbenzene	102	100	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Hexachlorobutadiene	110	105	60	140	4.7	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Iodomethane	89	84	52	142	5.8	30
SW8260B	680-176987-1	11/22/19	680-597481	W	Isopropyl Benzene (Cumene)	102	100	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	m,p-Xylene	99	98	80	120	1.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Methylene Chloride	98	96	80	120	2.1	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Mtbe	102	100	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Naphthalene	105	103	59	140	1.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	N-Butylbenzene	109	104	80	120	4.7	20
SW8260B	680-176987-1	11/22/19	680-597481	W	N-Propylbenzene	98	98	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	O-Xylene	100	99	80	120	1.0	30
SW8260B	680-176987-1	11/22/19	680-597481	W	P-Isopropyltoluene (Cymene)	104	101	80	120	2.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Sec-Butylbenzene	100	100	80	120	0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Styrene	99	97	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Tert-Butylbenzene	99	98	80	121	1.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Tetrachloroethylene	113	109	80	121	3.6	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Toluene	109	107	80	113	1.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Trans-1,2-Dichloroethene	109	104	80	120	4.7	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Trans-1,3-Dichloropropene	105	104	80	120	1.0	30
SW8260B	680-176987-1	11/22/19	680-597481	W	Trans-1,4-Dichloro-2-Butene	89	88	68	125	1.1	30
SW8260B	680-176987-1	11/22/19	680-597481	W	Trichloroethene	100	98	80	120	2.0	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Trichlorofluoromethane	106	104	60	141	1.9	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Vinyl Acetate	112	107	67	135	4.6	20
SW8260B	680-176987-1	11/22/19	680-597481	W	Vinyl Chloride	107	106	71	128	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	680-176987-1	11/22/19	680-597481	W	Xylenes (Total)	100	98	80	120	2.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,1,1,2-Tetrachloroethane	105	100	80	121	4.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,1,1-Trichloroethane	103	104	80	120	1.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,1,2,2-Tetrachloroethane	102	100	80	120	2.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,1,2-Trichloro-1,2,2-Trifluoroethane	123	124	79	124	0.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,1,2-Trichloroethane	105	108	80	120	2.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,1-Dichloroethane	114	115	80	120	0.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,1-Dichloroethene	121	121	76	120	0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,1-Dichloropropene	104	110	80	120	5.6	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2,3-Trichlorobenzene	102	113	61	141	10	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2,3-Trichloropropane	97	96	80	123	1.0	30
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2,4-Trichlorobenzene	110	108	68	128	1.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2,4-Trimethylbenzene	106	101	80	120	4.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2-Dibromo-3-Chloropropane	124	119	71	134	4.1	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2-Dibromoethane	108	115	80	120	6.3	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2-Dichlorobenzene	105	103	80	120	1.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2-Dichloroethane	94	91	80	120	3.2	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,2-Dichloropropane	118	111	80	120	6.1	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,3,5-Trimethylbenzene	104	100	80	120	3.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,3-Dichlorobenzene	103	105	80	120	1.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,3-Dichloropropane	101	108	80	120	6.7	20
SW8260B	680-176987-1	11/23/19	680-597635	W	1,4-Dichlorobenzene	103	103	80	120	0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	2,2-Dichloropropane	107	106	76	126	0.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	2-Butanone (MEK)	109	112	80	131	2.7	20
SW8260B	680-176987-1	11/23/19	680-597635	W	2-Chlorotoluene	101	93	80	120	8.2	20
SW8260B	680-176987-1	11/23/19	680-597635	W	2-Hexanone	112	122	74	127	8.5	20
SW8260B	680-176987-1	11/23/19	680-597635	W	4-Chlorotoluene	101	98	80	120	3.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	4-Methyl-2-Pentanone (MIBK)	119	110	76	124	7.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Acetone	118	124	70	135	5.0	30
SW8260B	680-176987-1	11/23/19	680-597635	W	Acrylonitrile	115	124	80	123	7.5	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Benzene	104	100	80	120	3.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Bromobenzene	99	94	80	121	5.2	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Bromochloromethane	101	105	80	120	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	680-176987-1	11/23/19	680-597635	W	Bromodichloromethane	110	103	80	120	6.6	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Bromoform	103	103	74	126	0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Bromomethane	95	97	62	130	2.1	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Carbon Disulfide	121	121	80	120	0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Carbon Tetrachloride	104	106	76	123	1.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Chlorobenzene	103	100	80	120	3.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Chloroethane	106	104	66	135	1.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Chloroform	104	103	80	120	1.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Chloromethane	106	106	69	131	0	30
SW8260B	680-176987-1	11/23/19	680-597635	W	Cis-1,2-Dichloroethene	104	108	80	120	3.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Cis-1,3-Dichloropropene	116	105	80	120	10.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Dibromochloromethane	107	111	80	121	3.7	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Dibromomethane	109	106	80	120	2.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Dichlorodifluoromethane	113	114	47	155	0.9	40
SW8260B	680-176987-1	11/23/19	680-597635	W	Ethylbenzene	107	103	80	120	3.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Hexachlorobutadiene	114	114	60	140	0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Iodomethane	92	92	52	142	0	30
SW8260B	680-176987-1	11/23/19	680-597635	W	Isopropyl Benzene (Cumene)	100	98	80	120	2.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	m,p-Xylene	106	103	80	120	2.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Methylene Chloride	109	110	80	120	0.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Mtbe	109	114	80	120	4.5	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Naphthalene	116	122	59	140	5.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	N-Butylbenzene	115	112	80	120	2.6	20
SW8260B	680-176987-1	11/23/19	680-597635	W	N-Propylbenzene	104	101	80	120	2.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	O-Xylene	95	100	80	120	5.1	30
SW8260B	680-176987-1	11/23/19	680-597635	W	P-Isopropyltoluene (Cymene)	108	110	80	120	1.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Sec-Butylbenzene	110	106	80	120	3.7	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Styrene	97	102	80	120	5.0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Tert-Butylbenzene	106	101	80	121	4.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Tetrachloroethylene	109	108	80	121	0.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Toluene	106	103	80	113	2.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Trans-1,2-Dichloroethene	112	114	80	120	1.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Trans-1,3-Dichloropropene	107	107	80	120	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	680-176987-1	11/23/19	680-597635	W	Trans-1,4-Dichloro-2-Butene	108	102	68	125	5.7	30
SW8260B	680-176987-1	11/23/19	680-597635	W	Trichloroethene	106	108	80	120	1.9	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Trichlorofluoromethane	108	108	60	141	0	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Vinyl Acetate	129	131	67	135	1.5	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Vinyl Chloride	111	113	71	128	1.8	20
SW8260B	680-176987-1	11/23/19	680-597635	W	Xylenes (Total)	101	102	80	120	1.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,1,1,2-Tetrachloroethane	95	94	80	121	1.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,1,1-Trichloroethane	97	95	80	120	2.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,1,2,2-Tetrachloroethane	94	93	80	120	1.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,1,2-Trichloroethane	96	91	80	120	5.3	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,1-Dichloroethane	94	93	80	120	1.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,1-Dichloroethene	96	91	76	120	5.3	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,2,3-Trichloropropane	91	90	80	123	1.1	30
SW8260B	680-177221-1	11/27/19	680-598304	W	1,2-Dibromo-3-Chloropropane	94	89	71	134	5.5	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,2-Dibromoethane	97	98	80	120	1.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,2-Dichlorobenzene	102	102	80	120	0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,2-Dichloroethane	101	99	80	120	2.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,2-Dichloropropane	88	95	80	120	7.7	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,3-Dichloropropane	97	97	80	120	0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	1,4-Dichlorobenzene	99	99	80	120	0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	2-Butanone (MEK)	90	87	80	131	3.4	20
SW8260B	680-177221-1	11/27/19	680-598304	W	2-Hexanone	85	85	74	127	0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	4-Methyl-2-Pentanone (MIBK)	90	86	76	124	4.5	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Acetone	84	80	70	135	4.9	30
SW8260B	680-177221-1	11/27/19	680-598304	W	Acrylonitrile	90	87	80	123	3.4	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Benzene	96	95	80	120	1.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Bromochloromethane	94	93	80	120	1.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Bromodichloromethane	83	99	80	120	18	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Bromoform	92	93	74	126	1.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Bromomethane	103	85	62	130	19	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Carbon Disulfide	94	91	80	120	3.2	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Carbon Tetrachloride	97	96	76	123	1.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Chlorobenzene	99	98	80	120	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	680-177221-1	11/27/19	680-598304	W	Chloroethane	83	80	66	135	3.7	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Chloroform	100	99	80	120	1.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Chloromethane	80	77	69	131	3.8	30
SW8260B	680-177221-1	11/27/19	680-598304	W	Cis-1,2-Dichloroethene	101	99	80	120	2.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Cis-1,3-Dichloropropene	90	87	80	120	3.4	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Dibromochloromethane	95	96	80	121	1.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Dibromomethane	91	98	80	120	7.4	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Ethylbenzene	100	98	80	120	2.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Iodomethane	92	91	52	142	1.1	30
SW8260B	680-177221-1	11/27/19	680-598304	W	Methylene Chloride	89	87	80	120	2.3	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Mtbe	95	93	80	120	2.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Styrene	97	97	80	120	0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Tetrachloroethylene	102	95	80	121	7.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Toluene	91	86	80	113	5.6	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Trans-1,2-Dichloroethene	99	95	80	120	4.1	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Trans-1,3-Dichloropropene	88	86	80	120	2.3	30
SW8260B	680-177221-1	11/27/19	680-598304	W	Trans-1,4-Dichloro-2-Butene	88	85	68	125	3.5	30
SW8260B	680-177221-1	11/27/19	680-598304	W	Trichloroethene	100	98	80	120	2.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Trichlorofluoromethane	88	85	60	141	3.5	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Vinyl Acetate	102	100	67	135	2.0	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Vinyl Chloride	93	89	71	128	4.4	20
SW8260B	680-177221-1	11/27/19	680-598304	W	Xylenes (Total)	99	98	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,1,1,2-Tetrachloroethane	94	92	80	121	2.2	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,1,1-Trichloroethane	99	100	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,1,2,2-Tetrachloroethane	88	86	80	120	2.3	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,1,2-Trichloroethane	91	91	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,1-Dichloroethane	95	94	80	120	1.1	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,1-Dichloroethene	99	100	76	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,2,3-Trichloropropane	83	83	80	123	0	30
SW8260B	680-177221-1	11/29/19	680-598428	W	1,2-Dibromo-3-Chloropropane	86	86	71	134	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,2-Dibromoethane	91	92	80	120	1.1	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,2-Dichlorobenzene	100	101	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,2-Dichloroethane	94	96	80	120	2.1	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	680-177221-1	11/29/19	680-598428	W	1,2-Dichloropropane	94	95	80	120	1.1	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,3-Dichloropropane	92	93	80	120	1.1	20
SW8260B	680-177221-1	11/29/19	680-598428	W	1,4-Dichlorobenzene	99	99	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	2-Butanone (MEK)	81	81	80	131	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	2-Hexanone	77	78	74	127	1.3	20
SW8260B	680-177221-1	11/29/19	680-598428	W	4-Methyl-2-Pentanone (MIBK)	88	87	76	124	1.1	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Acetone	77	77	70	135	0	30
SW8260B	680-177221-1	11/29/19	680-598428	W	Acrylonitrile	83	83	80	123	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Benzene	97	97	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Bromochloromethane	90	90	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Bromodichloromethane	96	96	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Bromoform	88	88	74	126	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Bromomethane	146	158	62	130	7.9	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Carbon Disulfide	99	98	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Carbon Tetrachloride	102	102	76	123	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Chlorobenzene	97	97	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Chloroethane	85	84	66	135	1.2	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Chloroform	98	99	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Chloromethane	86	88	69	131	2.3	30
SW8260B	680-177221-1	11/29/19	680-598428	W	Cis-1,2-Dichloroethene	99	99	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Cis-1,3-Dichloropropene	97	98	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Dibromochloromethane	93	94	80	121	1.1	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Dibromomethane	91	93	80	120	2.2	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Ethylbenzene	100	99	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Iodomethane	106	107	52	142	0.9	30
SW8260B	680-177221-1	11/29/19	680-598428	W	Methylene Chloride	85	85	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Mtbe	90	90	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Styrene	96	95	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Tetrachloroethylene	103	104	80	121	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Toluene	99	99	80	113	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Trans-1,2-Dichloroethene	100	99	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Trans-1,3-Dichloropropene	93	95	80	120	2.1	30
SW8260B	680-177221-1	11/29/19	680-598428	W	Trans-1,4-Dichloro-2-Butene	80	87	68	125	8.4	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	680-177221-1	11/29/19	680-598428	W	Trichloroethene	100	100	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Trichlorofluoromethane	95	95	60	141	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Vinyl Acetate	99	98	67	135	1.0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Vinyl Chloride	100	100	71	128	0	20
SW8260B	680-177221-1	11/29/19	680-598428	W	Xylenes (Total)	99	97	80	120	2.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,1,1,2-Tetrachloroethane	110	94	80	121	16	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,1,1-Trichloroethane	101	99	80	120	2.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,1,2,2-Tetrachloroethane	94	101	80	120	7.2	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,1,2-Trichloroethane	92	102	80	120	10	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,1-Dichloroethane	104	103	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,1-Dichloroethene	105	105	76	120	0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,2,3-Trichloropropane	92	95	80	123	3.2	30
SW8260B	680-177221-1	11/29/19	680-598444	W	1,2-Dibromo-3-Chloropropane	82	84	71	134	2.4	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,2-Dibromoethane	104	103	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,2-Dichlorobenzene	104	106	80	120	1.9	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,2-Dichloroethane	93	82	80	120	13	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,2-Dichloropropane	93	104	80	120	11	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,3-Dichloropropane	102	102	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	1,4-Dichlorobenzene	102	103	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	2-Butanone (MEK)	88	91	80	131	3.4	20
SW8260B	680-177221-1	11/29/19	680-598444	W	2-Hexanone	82	85	74	127	3.6	20
SW8260B	680-177221-1	11/29/19	680-598444	W	4-Methyl-2-Pentanone (MIBK)	87	86	76	124	1.2	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Acetone	79	88	70	135	11	30
SW8260B	680-177221-1	11/29/19	680-598444	W	Acrylonitrile	96	94	80	123	2.1	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Benzene	98	94	80	120	4.2	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Bromochloromethane	108	108	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Bromodichloromethane	95	97	80	120	2.1	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Bromoform	92	90	74	126	2.2	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Bromomethane	173	143	62	130	19	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Carbon Disulfide	98	111	80	120	12	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Carbon Tetrachloride	102	97	76	123	5.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Chlorobenzene	111	109	80	120	1.8	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Chloroethane	110	99	66	135	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	680-177221-1	11/29/19	680-598444	W	Chloroform	99	101	80	120	2.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Chloromethane	97	86	69	131	12	30
SW8260B	680-177221-1	11/29/19	680-598444	W	Cis-1,2-Dichloroethene	91	96	80	120	5.3	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Cis-1,3-Dichloropropene	103	104	80	120	1.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Dibromochloromethane	99	98	80	121	1.0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Dibromomethane	89	95	80	120	6.5	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Ethylbenzene	113	98	80	120	14	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Iodomethane	93	101	52	142	8.2	30
SW8260B	680-177221-1	11/29/19	680-598444	W	Methylene Chloride	99	99	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Mtbe	91	92	80	120	1.1	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Styrene	96	93	80	120	3.2	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Tetrachloroethylene	106	110	80	121	3.7	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Toluene	109	96	80	113	13	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Trans-1,2-Dichloroethene	106	105	80	120	0.9	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Trans-1,3-Dichloropropene	89	91	80	120	2.2	30
SW8260B	680-177221-1	11/29/19	680-598444	W	Trans-1,4-Dichloro-2-Butene	75	84	68	125	11	30
SW8260B	680-177221-1	11/29/19	680-598444	W	Trichloroethene	108	108	80	120	0	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Trichlorofluoromethane	106	100	60	141	5.8	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Vinyl Acetate	114	112	67	135	1.8	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Vinyl Chloride	114	98	71	128	15	20
SW8260B	680-177221-1	11/29/19	680-598444	W	Xylenes (Total)	102	92	80	120	10	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,1,1,2-Tetrachloroethane	113	109	80	121	3.6	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,1,1-Trichloroethane	95	83	80	120	13	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,1,2,2-Tetrachloroethane	108	100	80	120	7.7	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,1,2-Trichloroethane	87	97	80	120	11	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,1-Dichloroethane	86	99	80	120	14	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,1-Dichloroethene	92	102	76	120	10	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,2,3-Trichloropropane	105	95	80	123	10	30
SW8260B	680-177221-1	12/1/19	680-598603	W	1,2-Dibromo-3-Chloropropane	81	87	71	134	7.1	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,2-Dibromoethane	91	101	80	120	10	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,2-Dichlorobenzene	105	102	80	120	2.9	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,2-Dichloroethane	85	88	80	120	3.5	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,2-Dichloropropane	98	86	80	120	13	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	680-177221-1	12/1/19	680-598603	W	1,3-Dichloropropane	86	99	80	120	14	20
SW8260B	680-177221-1	12/1/19	680-598603	W	1,4-Dichlorobenzene	102	102	80	120	0	20
SW8260B	680-177221-1	12/1/19	680-598603	W	2-Butanone (MEK)	83	82	80	131	1.2	20
SW8260B	680-177221-1	12/1/19	680-598603	W	2-Hexanone	64	76	74	127	17	20
SW8260B	680-177221-1	12/1/19	680-598603	W	4-Methyl-2-Pentanone (MIBK)	76	68	76	124	11	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Acetone	71	83	70	135	16	30
SW8260B	680-177221-1	12/1/19	680-598603	W	Acrylonitrile	77	88	80	123	13	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Benzene	102	103	80	120	1.0	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Bromochloromethane	108	98	80	120	9.7	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Bromodichloromethane	83	78	80	120	6.2	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Bromoform	109	98	74	126	11	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Bromomethane	166	203	62	130	20	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Carbon Disulfide	91	102	80	120	11	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Carbon Tetrachloride	97	87	76	123	11	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Chlorobenzene	114	111	80	120	2.7	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Chloroethane	84	98	66	135	15	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Chloroform	95	83	80	120	13	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Chloromethane	77	84	69	131	8.7	30
SW8260B	680-177221-1	12/1/19	680-598603	W	Cis-1,2-Dichloroethene	85	90	80	120	5.7	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Cis-1,3-Dichloropropene	98	88	80	120	11	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Dibromochloromethane	88	98	80	121	11	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Dibromomethane	96	83	80	120	15	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Ethylbenzene	113	110	80	120	2.7	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Iodomethane	91	101	52	142	10	30
SW8260B	680-177221-1	12/1/19	680-598603	W	Methylene Chloride	85	96	80	120	12	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Mtbe	78	90	80	120	14	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Styrene	115	106	80	120	8.1	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Tetrachloroethylene	104	108	80	121	3.8	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Toluene	106	98	80	113	7.8	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Trans-1,2-Dichloroethene	94	104	80	120	10	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Trans-1,3-Dichloropropene	85	96	80	120	12	30
SW8260B	680-177221-1	12/1/19	680-598603	W	Trans-1,4-Dichloro-2-Butene	87	77	68	125	12	30
SW8260B	680-177221-1	12/1/19	680-598603	W	Trichloroethene	107	99	80	120	7.8	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	680-177221-1	12/1/19	680-598603	W	Trichlorofluoromethane	83	97	60	141	16	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Vinyl Acetate	89	102	67	135	14	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Vinyl Chloride	92	100	71	128	8.3	20
SW8260B	680-177221-1	12/1/19	680-598603	W	Xylenes (Total)	114	107	80	120	6.3	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,1,1,2-Tetrachloroethane	97	99	80	121	2.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,1,1-Trichloroethane	105	103	80	120	1.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,1,2,2-Tetrachloroethane	93	97	80	120	4.2	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,1,2-Trichloroethane	95	99	80	120	4.1	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,1-Dichloroethane	104	104	80	120	0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,1-Dichloroethene	105	105	76	120	0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,2,3-Trichloropropane	91	91	80	123	0	30
SW8260B	680-177221-1	12/3/19	680-598846	W	1,2-Dibromo-3-Chloropropane	105	108	71	134	2.8	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,2-Dibromoethane	95	98	80	120	3.1	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,2-Dichlorobenzene	97	98	80	120	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,2-Dichloroethane	97	99	80	120	2.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,2-Dichloropropane	103	105	80	120	1.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,3-Dichloropropane	96	98	80	120	2.1	20
SW8260B	680-177221-1	12/3/19	680-598846	W	1,4-Dichlorobenzene	97	98	80	120	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	2-Butanone (MEK)	94	98	80	131	4.2	20
SW8260B	680-177221-1	12/3/19	680-598846	W	2-Hexanone	100	105	74	127	4.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	4-Methyl-2-Pentanone (MIBK)	100	104	76	124	3.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Acetone	97	102	70	135	5.0	30
SW8260B	680-177221-1	12/3/19	680-598846	W	Acrylonitrile	99	104	80	123	4.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Benzene	102	103	80	120	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Bromochloromethane	93	96	80	120	3.2	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Bromodichloromethane	102	103	80	120	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Bromoform	99	102	74	126	3.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Bromomethane	87	89	62	130	2.3	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Carbon Disulfide	107	105	80	120	1.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Carbon Tetrachloride	106	105	76	123	0.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Chlorobenzene	96	96	80	120	0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Chloroethane	100	99	66	135	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Chloroform	99	100	80	120	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	680-177221-1	12/3/19	680-598846	W	Chloromethane	101	99	69	131	2.0	30
SW8260B	680-177221-1	12/3/19	680-598846	W	Cis-1,2-Dichloroethene	103	104	80	120	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Cis-1,3-Dichloropropene	106	107	80	120	0.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Dibromochloromethane	97	101	80	121	4.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Dibromomethane	96	99	80	120	3.1	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Ethylbenzene	101	102	80	120	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Iodomethane	81	79	52	142	2.5	30
SW8260B	680-177221-1	12/3/19	680-598846	W	Methylene Chloride	93	95	80	120	2.1	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Mtbe	99	102	80	120	3.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Styrene	100	101	80	120	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Tetrachloroethylene	100	101	80	121	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Toluene	101	101	80	113	0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Trans-1,2-Dichloroethene	101	100	80	120	1.0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Trans-1,3-Dichloropropene	100	104	80	120	3.9	30
SW8260B	680-177221-1	12/3/19	680-598846	W	Trans-1,4-Dichloro-2-Butene	103	107	68	125	3.8	30
SW8260B	680-177221-1	12/3/19	680-598846	W	Trichloroethene	99	99	80	120	0	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Trichlorofluoromethane	106	104	60	141	1.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Vinyl Acetate	113	116	67	135	2.6	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Vinyl Chloride	107	105	71	128	1.9	20
SW8260B	680-177221-1	12/3/19	680-598846	W	Xylenes (Total)	101	101	80	120	0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,1,1,2-Tetrachloroethane	105	103	80	121	1.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,1,1-Trichloroethane	99	102	80	120	3.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,1,2,2-Tetrachloroethane	106	105	80	120	0.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,1,2-Trichloroethane	100	99	80	120	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,1-Dichloroethane	108	107	80	120	0.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,1-Dichloroethene	110	106	76	120	3.7	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,2,3-Trichloropropane	103	104	80	123	1.0	30
SW8260B	680-177221-1	12/4/19	680-598992	W	1,2-Dibromo-3-Chloropropane	99	102	71	134	3.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,2-Dibromoethane	102	100	80	120	2.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,2-Dichlorobenzene	106	105	80	120	0.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,2-Dichloroethane	106	109	80	120	2.8	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,2-Dichloropropane	106	106	80	120	0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	1,3-Dichloropropane	99	97	80	120	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	680-177221-1	12/4/19	680-598992	W	1,4-Dichlorobenzene	101	102	80	120	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	2-Butanone (MEK)	99	101	80	131	2.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	2-Hexanone	106	105	74	127	0.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	4-Methyl-2-Pentanone (MIBK)	105	104	76	124	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Acetone	104	101	70	135	2.9	30
SW8260B	680-177221-1	12/4/19	680-598992	W	Acrylonitrile	107	104	80	123	2.8	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Benzene	103	104	80	120	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Bromochloromethane	107	103	80	120	3.8	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Bromodichloromethane	100	101	80	120	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Bromoform	103	101	74	126	2.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Bromomethane	118	116	62	130	1.7	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Carbon Disulfide	110	105	80	120	4.7	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Carbon Tetrachloride	101	102	76	123	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Chlorobenzene	103	102	80	120	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Chloroethane	105	103	66	135	1.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Chloroform	107	109	80	120	1.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Chloromethane	99	95	69	131	4.1	30
SW8260B	680-177221-1	12/4/19	680-598992	W	Cis-1,2-Dichloroethene	109	111	80	120	1.8	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Cis-1,3-Dichloropropene	101	100	80	120	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Dibromochloromethane	101	100	80	121	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Dibromomethane	107	107	80	120	0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Ethylbenzene	104	103	80	120	1.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Iodomethane	93	91	52	142	2.2	30
SW8260B	680-177221-1	12/4/19	680-598992	W	Methylene Chloride	102	98	80	120	4.0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Mtbe	104	100	80	120	3.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Styrene	109	106	80	120	2.8	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Tetrachloroethylene	104	104	80	121	0	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Toluene	106	104	80	113	1.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Trans-1,2-Dichloroethene	102	105	80	120	2.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Trans-1,3-Dichloropropene	101	100	80	120	1.0	30
SW8260B	680-177221-1	12/4/19	680-598992	W	Trans-1,4-Dichloro-2-Butene	99	98	68	125	1.0	30
SW8260B	680-177221-1	12/4/19	680-598992	W	Trichloroethene	105	106	80	120	0.9	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Trichlorofluoromethane	105	108	60	141	2.8	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	680-177221-1	12/4/19	680-598992	W	Vinyl Acetate	115	109	67	135	5.4	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Vinyl Chloride	108	104	71	128	3.8	20
SW8260B	680-177221-1	12/4/19	680-598992	W	Xylenes (Total)	106	103	80	120	2.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,1,1,2-Tetrachloroethane	99	100	80	121	1.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,1,1-Trichloroethane	103	104	80	120	1.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,1,2,2-Tetrachloroethane	115	117	80	120	1.7	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,1,2-Trichloroethane	107	110	80	120	2.8	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,1-Dichloroethane	105	106	80	120	0.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,1-Dichloroethene	104	107	76	120	2.8	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,2,3-Trichloropropane	107	110	80	123	2.8	30
SW8260B	680-177221-1	12/10/19	680-599813	W	1,2-Dibromo-3-Chloropropane	117	122	71	134	4.2	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,2-Dibromoethane	107	108	80	120	0.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,2-Dichlorobenzene	101	104	80	120	2.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,2-Dichloroethane	103	106	80	120	2.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,2-Dichloropropane	108	110	80	120	1.8	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,3-Dichloropropane	104	106	80	120	1.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	1,4-Dichlorobenzene	103	106	80	120	2.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	2-Butanone (MEK)	115	118	80	131	2.6	20
SW8260B	680-177221-1	12/10/19	680-599813	W	2-Hexanone	132	136	74	127	3.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	4-Methyl-2-Pentanone (MIBK)	125	128	76	124	2.4	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Acetone	123	126	70	135	2.4	30
SW8260B	680-177221-1	12/10/19	680-599813	W	Acrylonitrile	118	118	80	123	0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Benzene	103	104	80	120	1.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Bromochloromethane	99	99	80	120	0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Bromodichloromethane	107	109	80	120	1.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Bromoform	94	97	74	126	3.1	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Bromomethane	77	79	62	130	2.6	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Carbon Disulfide	103	103	80	120	0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Carbon Tetrachloride	99	98	76	123	1.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Chlorobenzene	100	103	80	120	3.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Chloroethane	95	93	66	135	2.1	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Chloroform	103	104	80	120	1.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Chloromethane	91	88	69	131	3.4	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	680-177221-1	12/10/19	680-599813	W	Cis-1,2-Dichloroethene	105	106	80	120	0.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Cis-1,3-Dichloropropene	106	107	80	120	0.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Dibromochloromethane	102	106	80	121	3.8	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Dibromomethane	105	109	80	120	3.7	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Ethylbenzene	103	104	80	120	1.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Iodomethane	69	74	52	142	7.0	30
SW8260B	680-177221-1	12/10/19	680-599813	W	Methylene Chloride	95	98	80	120	3.1	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Mtbe	106	108	80	120	1.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Styrene	110	112	80	120	1.8	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Tetrachloroethylene	97	101	80	121	4.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Toluene	105	107	80	113	1.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Trans-1,2-Dichloroethene	102	103	80	120	1.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Trans-1,3-Dichloropropene	102	104	80	120	1.9	30
SW8260B	680-177221-1	12/10/19	680-599813	W	Trans-1,4-Dichloro-2-Butene	112	111	68	125	0.9	30
SW8260B	680-177221-1	12/10/19	680-599813	W	Trichloroethene	99	98	80	120	1.0	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Trichlorofluoromethane	96	93	60	141	3.2	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Vinyl Acetate	110	111	67	135	0.9	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Vinyl Chloride	95	93	71	128	2.1	20
SW8260B	680-177221-1	12/10/19	680-599813	W	Xylenes (Total)	101	102	80	120	1.0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,1,1,2-Tetrachloroethane	94	94	80	121	0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,1,1-Trichloroethane	95	93	80	120	2.1	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,1,2,2-Tetrachloroethane	95	107	80	120	12	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,1,2-Trichloroethane	113	102	80	120	10	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,1-Dichloroethane	93	106	80	120	13	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,1-Dichloroethene	87	91	76	120	4.5	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,2,3-Trichloropropane	90	103	80	123	13	30
SW8260B	680-184196-1	5/31/20	680-620584	W	1,2-Dibromo-3-Chloropropane	97	98	71	134	1.0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,2-Dibromoethane	110	102	80	120	7.5	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,2-Dichlorobenzene	113	114	80	120	0.9	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,2-Dichloroethane	100	100	80	120	0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,2-Dichloropropane	124	120	80	120	3.3	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,3-Dichloropropane	115	104	80	120	10	20
SW8260B	680-184196-1	5/31/20	680-620584	W	1,4-Dichlorobenzene	104	102	80	120	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	680-184196-1	5/31/20	680-620584	W	2-Butanone (MEK)	127	129	80	131	1.6	20
SW8260B	680-184196-1	5/31/20	680-620584	W	2-Hexanone	134	111	74	127	19	20
SW8260B	680-184196-1	5/31/20	680-620584	W	4-Methyl-2-Pentanone (MIBK)	130	102	76	124	24	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Acetone	112	114	70	135	1.8	30
SW8260B	680-184196-1	5/31/20	680-620584	W	Acrylonitrile	112	116	80	123	3.5	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Benzene	112	113	80	120	0.9	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Bromochloromethane	117	123	80	120	5.0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Bromodichloromethane	108	102	80	120	5.7	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Bromoform	84	93	74	126	10	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Bromomethane	81	107	62	130	28	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Carbon Disulfide	88	88	80	120	0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Carbon Tetrachloride	86	90	76	123	4.5	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Chlorobenzene	97	97	80	120	0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Chloroethane	86	96	66	135	11	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Chloroform	102	103	80	120	1.0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Chloromethane	106	111	69	131	4.6	30
SW8260B	680-184196-1	5/31/20	680-620584	W	Cis-1,2-Dichloroethene	103	107	80	120	3.8	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Cis-1,3-Dichloropropene	106	90	80	120	16	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Dibromochloromethane	101	93	80	121	8.2	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Dibromomethane	102	103	80	120	1.0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Ethylbenzene	102	102	80	120	0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Iodomethane	84	83	52	142	1.2	30
SW8260B	680-184196-1	5/31/20	680-620584	W	Methylene Chloride	101	104	80	120	2.9	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Mtbe	100	101	80	120	1.0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Styrene	112	115	80	120	2.6	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Tetrachloroethylene	87	81	80	121	7.1	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Toluene	108	98	80	113	9.7	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Trans-1,2-Dichloroethene	92	91	80	120	1.1	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Trans-1,3-Dichloropropene	102	90	80	120	13	30
SW8260B	680-184196-1	5/31/20	680-620584	W	Trans-1,4-Dichloro-2-Butene	84	99	68	125	16	30
SW8260B	680-184196-1	5/31/20	680-620584	W	Trichloroethene	97	96	80	120	1.0	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Trichlorofluoromethane	78	84	60	141	7.4	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Vinyl Acetate	104	122	67	135	16	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	680-184196-1	5/31/20	680-620584	W	Vinyl Chloride	90	91	71	128	1.1	20
SW8260B	680-184196-1	5/31/20	680-620584	W	Xylenes (Total)	98	99	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,1,1,2-Tetrachloroethane	101	105	80	121	3.9	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,1,1-Trichloroethane	97	99	80	120	2.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,1,2,2-Tetrachloroethane	99	101	80	120	2.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,1,2-Trichloroethane	101	101	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,1-Dichloroethane	98	101	80	120	3.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,1-Dichloroethene	96	98	76	120	2.1	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,2,3-Trichloropropane	105	107	80	123	1.9	30
SW8260B	680-184196-1	6/1/20	680-620687	W	1,2-Dibromo-3-Chloropropane	99	102	71	134	3.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,2-Dibromoethane	107	107	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,2-Dichlorobenzene	102	105	80	120	2.9	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,2-Dichloroethane	103	105	80	120	1.9	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,2-Dichloropropane	101	103	80	120	2.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,3-Dichloropropane	102	103	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	1,4-Dichlorobenzene	98	100	80	120	2.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	2-Butanone (MEK)	90	90	80	131	0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	2-Hexanone	94	95	74	127	1.1	20
SW8260B	680-184196-1	6/1/20	680-620687	W	4-Methyl-2-Pentanone (MIBK)	108	108	76	124	0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Acetone	99	99	70	135	0	30
SW8260B	680-184196-1	6/1/20	680-620687	W	Acrylonitrile	97	98	80	123	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Benzene	97	98	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Bromochloromethane	94	93	80	120	1.1	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Bromodichloromethane	101	101	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Bromoform	101	103	74	126	2.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Bromomethane	224	277	62	130	21.2	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Carbon Disulfide	92	94	80	120	2.2	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Carbon Tetrachloride	97	98	76	123	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Chlorobenzene	98	100	80	120	2.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Chloroethane	235	240	66	135	2.1	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Chloroform	100	101	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Chloromethane	100	102	69	131	2.0	30
SW8260B	680-184196-1	6/1/20	680-620687	W	Cis-1,2-Dichloroethene	101	104	80	120	2.9	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	680-184196-1	6/1/20	680-620687	W	Cis-1,3-Dichloropropene	104	103	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Dibromochloromethane	103	103	80	121	0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Dibromomethane	104	103	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Ethylbenzene	98	102	80	120	4.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Iodomethane	103	108	52	142	4.7	30
SW8260B	680-184196-1	6/1/20	680-620687	W	Methylene Chloride	90	90	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Mtbe	99	100	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Styrene	97	99	80	120	2.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Tetrachloroethylene	99	103	80	121	4.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Toluene	101	103	80	113	2.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Trans-1,2-Dichloroethene	98	98	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Trans-1,3-Dichloropropene	106	107	80	120	0.9	30
SW8260B	680-184196-1	6/1/20	680-620687	W	Trans-1,4-Dichloro-2-Butene	101	102	68	125	1.0	30
SW8260B	680-184196-1	6/1/20	680-620687	W	Trichloroethene	101	104	80	120	2.9	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Trichlorofluoromethane	108	106	60	141	1.9	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Vinyl Acetate	102	101	67	135	1.0	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Vinyl Chloride	94	96	71	128	2.1	20
SW8260B	680-184196-1	6/1/20	680-620687	W	Xylenes (Total)	99	102	80	120	3.0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,1,1,2-Tetrachloroethane	118	119	80	121	0.8	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,1,1-Trichloroethane	104	102	80	120	1.9	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,1,2,2-Tetrachloroethane	104	111	80	120	6.5	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,1,2-Trichloroethane	106	111	80	120	4.6	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,1-Dichloroethane	100	99	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,1-Dichloroethene	105	102	76	120	2.9	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,2,3-Trichloropropane	102	112	80	123	9.3	30
SW8260B	680-184196-1	6/1/20	680-620699	W	1,2-Dibromo-3-Chloropropane	96	105	71	134	9.0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,2-Dibromoethane	103	110	80	120	6.6	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,2-Dichlorobenzene	109	110	80	120	0.9	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,2-Dichloroethane	102	106	80	120	3.8	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,2-Dichloropropane	94	97	80	120	3.1	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,3-Dichloropropane	90	94	80	120	4.3	20
SW8260B	680-184196-1	6/1/20	680-620699	W	1,4-Dichlorobenzene	104	104	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	2-Butanone (MEK)	101	113	80	131	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	680-184196-1	6/1/20	680-620699	W	2-Hexanone	81	90	74	127	11	20
SW8260B	680-184196-1	6/1/20	680-620699	W	4-Methyl-2-Pentanone (MIBK)	91	99	76	124	8.4	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Acetone	94	103	70	135	9.1	30
SW8260B	680-184196-1	6/1/20	680-620699	W	Acrylonitrile	91	100	80	123	9.4	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Benzene	104	104	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Bromochloromethane	112	116	80	120	3.5	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Bromodichloromethane	101	103	80	120	2.0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Bromoform	111	117	74	126	5.3	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Bromomethane	556	549	62	130	1.3	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Carbon Disulfide	102	98	80	120	4.0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Carbon Tetrachloride	110	107	76	123	2.8	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Chlorobenzene	110	110	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Chloroethane	105	104	66	135	1.0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Chloroform	102	103	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Chloromethane	88	84	69	131	4.7	30
SW8260B	680-184196-1	6/1/20	680-620699	W	Cis-1,2-Dichloroethene	92	93	80	120	1.1	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Cis-1,3-Dichloropropene	100	104	80	120	3.9	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Dibromochloromethane	112	118	80	121	5.2	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Dibromomethane	99	105	80	120	5.9	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Ethylbenzene	107	104	80	120	2.8	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Iodomethane	111	109	52	142	1.8	30
SW8260B	680-184196-1	6/1/20	680-620699	W	Methylene Chloride	88	90	80	120	2.2	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Mtbe	98	104	80	120	5.9	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Styrene	106	106	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Tetrachloroethylene	119	115	80	121	3.4	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Toluene	108	106	80	113	1.9	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Trans-1,2-Dichloroethene	103	102	80	120	1.0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Trans-1,3-Dichloropropene	108	112	80	120	3.6	30
SW8260B	680-184196-1	6/1/20	680-620699	W	Trans-1,4-Dichloro-2-Butene	107	112	68	125	4.6	30
SW8260B	680-184196-1	6/1/20	680-620699	W	Trichloroethene	105	105	80	120	0	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Trichlorofluoromethane	106	101	60	141	4.8	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Vinyl Acetate	101	107	67	135	5.8	20
SW8260B	680-184196-1	6/1/20	680-620699	W	Vinyl Chloride	97	92	71	128	5.3	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	680-184196-1	6/1/20	680-620699	W	Xylenes (Total)	104	103	80	120	1.0	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,1,1,2-Tetrachloroethane	97	95	80	121	2.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,1,1-Trichloroethane	86	87	80	120	1.2	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,1,2,2-Tetrachloroethane	108	106	80	120	1.9	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,1,2-Trichloroethane	95	102	80	120	7.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,1-Dichloroethane	89	72	80	120	21.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,1-Dichloroethene	95	94	76	120	1.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,2,3-Trichloropropane	104	99	80	123	4.9	30
SW8260B	680-184196-1	6/2/20	680-620893	W	1,2-Dibromo-3-Chloropropane	102	101	71	134	1.0	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,2-Dibromoethane	108	100	80	120	7.7	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,2-Dichlorobenzene	108	116	80	120	7.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,2-Dichloroethane	84	82	80	120	2.4	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,2-Dichloropropane	108	107	80	120	0.9	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,3-Dichloropropane	95	100	80	120	5.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	1,4-Dichlorobenzene	100	105	80	120	4.9	20
SW8260B	680-184196-1	6/2/20	680-620893	W	2-Butanone (MEK)	111	96	80	131	14	20
SW8260B	680-184196-1	6/2/20	680-620893	W	2-Hexanone	107	108	74	127	0.9	20
SW8260B	680-184196-1	6/2/20	680-620893	W	4-Methyl-2-Pentanone (MIBK)	122	109	76	124	11	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Acetone	111	103	70	135	7.5	30
SW8260B	680-184196-1	6/2/20	680-620893	W	Acrylonitrile	117	87	80	123	29	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Benzene	99	100	80	120	1.0	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Bromochloromethane	90	90	80	120	0	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Bromodichloromethane	100	95	80	120	5.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Bromoform	100	95	74	126	5.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Bromomethane	78	56	62	130	33	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Carbon Disulfide	85	88	80	120	3.5	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Carbon Tetrachloride	82	80	76	123	2.5	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Chlorobenzene	96	95	80	120	1.0	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Chloroethane	86	79	66	135	8.5	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Chloroform	89	87	80	120	2.3	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Chloromethane	108	108	69	131	0	30
SW8260B	680-184196-1	6/2/20	680-620893	W	Cis-1,2-Dichloroethene	97	94	80	120	3.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Cis-1,3-Dichloropropene	101	98	80	120	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	680-184196-1	6/2/20	680-620893	W	Dibromochloromethane	95	93	80	121	2.1	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Dibromomethane	98	92	80	120	6.3	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Ethylbenzene	100	101	80	120	1.0	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Iodomethane	82	63	52	142	26	30
SW8260B	680-184196-1	6/2/20	680-620893	W	Methylene Chloride	102	99	80	120	3.0	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Mtbe	111	102	80	120	8.5	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Styrene	111	109	80	120	1.8	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Tetrachloroethylene	78	84	80	121	7.4	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Toluene	98	99	80	113	1.0	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Trans-1,2-Dichloroethene	96	92	80	120	4.3	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Trans-1,3-Dichloropropene	94	90	80	120	4.3	30
SW8260B	680-184196-1	6/2/20	680-620893	W	Trans-1,4-Dichloro-2-Butene	107	101	68	125	5.8	30
SW8260B	680-184196-1	6/2/20	680-620893	W	Trichloroethene	94	88	80	120	6.6	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Trichlorofluoromethane	79	77	60	141	2.6	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Vinyl Acetate	99	75	67	135	28	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Vinyl Chloride	89	87	71	128	2.3	20
SW8260B	680-184196-1	6/2/20	680-620893	W	Xylenes (Total)	96	95	80	120	1.0	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,1,1,2-Tetrachloroethane	98	100	80	121	2.0	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,1,1-Trichloroethane	102	82	80	120	22	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,1,2,2-Tetrachloroethane	88	103	80	120	16	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,1,2-Trichloroethane	100	106	80	120	5.8	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,1-Dichloroethane	108	97	80	120	11	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,1-Dichloroethene	96	97	76	120	1.0	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,2,3-Trichloropropane	91	98	80	123	7.4	30
SW8260B	680-184196-1	6/3/20	680-620971	W	1,2-Dibromo-3-Chloropropane	86	94	71	134	8.9	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,2-Dibromoethane	110	111	80	120	0.9	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,2-Dichlorobenzene	110	108	80	120	1.8	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,2-Dichloroethane	92	89	80	120	3.3	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,2-Dichloropropane	121	81	80	120	40	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,3-Dichloropropane	114	107	80	120	6.3	20
SW8260B	680-184196-1	6/3/20	680-620971	W	1,4-Dichlorobenzene	91	99	80	120	8.4	20
SW8260B	680-184196-1	6/3/20	680-620971	W	2-Butanone (MEK)	98	91	80	131	7.4	20
SW8260B	680-184196-1	6/3/20	680-620971	W	2-Hexanone	108	109	74	127	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	680-184196-1	6/3/20	680-620971	W	4-Methyl-2-Pentanone (MIBK)	94	79	76	124	17	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Acetone	87	110	70	135	23	30
SW8260B	680-184196-1	6/3/20	680-620971	W	Acrylonitrile	118	110	80	123	7	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Benzene	119	106	80	120	12	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Bromochloromethane	103	91	80	120	12	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Bromodichloromethane	108	80	80	120	30	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Bromoform	91	96	74	126	5.35	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Bromomethane	125	123	62	130	1.6	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Carbon Disulfide	94	104	80	120	10	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Carbon Tetrachloride	102	91	76	123	11	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Chlorobenzene	101	101	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Chloroethane	86	80	66	135	7.2	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Chloroform	105	94	80	120	11	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Chloromethane	102	92	69	131	10	30
SW8260B	680-184196-1	6/3/20	680-620971	W	Cis-1,2-Dichloroethene	114	102	80	120	11	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Cis-1,3-Dichloropropene	113	83	80	120	31	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Dibromochloromethane	108	96	80	121	12	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Dibromomethane	96	78	80	120	20.7	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Ethylbenzene	106	106	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Iodomethane	103	114	52	142	10	30
SW8260B	680-184196-1	6/3/20	680-620971	W	Methylene Chloride	118	112	80	120	5	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Mtbe	114	105	80	120	8.2	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Styrene	113	113	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Tetrachloroethylene	103	102	80	121	1.0	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Toluene	122	99	80	113	20.8	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Trans-1,2-Dichloroethene	114	102	80	120	11	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Trans-1,3-Dichloropropene	90	98	80	120	9	30
SW8260B	680-184196-1	6/3/20	680-620971	W	Trans-1,4-Dichloro-2-Butene	88	93	68	125	5.5	30
SW8260B	680-184196-1	6/3/20	680-620971	W	Trichloroethene	112	103	80	120	8	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Trichlorofluoromethane	94	85	60	141	10	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Vinyl Acetate	132	117	67	135	12	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Vinyl Chloride	86	79	71	128	8.5	20
SW8260B	680-184196-1	6/3/20	680-620971	W	Xylenes (Total)	103	101	80	120	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	680-184196-1	6/3/20	680-620985	W	1,1,1,2-Tetrachloroethane	115	118	80	121	2.6	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,1,1-Trichloroethane	100	102	80	120	2.0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,1,2,2-Tetrachloroethane	101	97	80	120	4	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,1,2-Trichloroethane	103	102	80	120	0.98	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,1-Dichloroethane	94	94	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,1-Dichloroethene	98	102	76	120	4.0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,2,3-Trichloropropane	97	96	80	123	1	30
SW8260B	680-184196-1	6/3/20	680-620985	W	1,2-Dibromo-3-Chloropropane	92	92	71	134	0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,2-Dibromoethane	101	100	80	120	1.0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,2-Dichlorobenzene	106	107	80	120	0.94	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,2-Dichloroethane	99	96	80	120	3	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,2-Dichloropropane	94	94	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,3-Dichloropropane	88	87	80	120	1.1	20
SW8260B	680-184196-1	6/3/20	680-620985	W	1,4-Dichlorobenzene	103	105	80	120	2	20
SW8260B	680-184196-1	6/3/20	680-620985	W	2-Butanone (MEK)	98	96	80	131	2.06	20
SW8260B	680-184196-1	6/3/20	680-620985	W	2-Hexanone	74	71	74	127	4.1	20
SW8260B	680-184196-1	6/3/20	680-620985	W	4-Methyl-2-Pentanone (MIBK)	82	80	76	124	2.47	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Acetone	96	91	70	135	5	30
SW8260B	680-184196-1	6/3/20	680-620985	W	Acrylonitrile	88	84	80	123	4.7	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Benzene	99	101	80	120	2	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Bromochloromethane	111	110	80	120	0.90	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Bromodichloromethane	99	98	80	120	1	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Bromoform	105	104	74	126	1.0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Bromomethane	349	376	62	130	7.4	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Carbon Disulfide	97	101	80	120	4.0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Carbon Tetrachloride	106	109	76	123	2.79	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Chlorobenzene	110	112	80	120	2	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Chloroethane	97	99	66	135	2.0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Chloroform	99	100	80	120	1.0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Chloromethane	80	82	69	131	2.5	30
SW8260B	680-184196-1	6/3/20	680-620985	W	Cis-1,2-Dichloroethene	92	91	80	120	1.1	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Cis-1,3-Dichloropropene	102	101	80	120	0.99	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Dibromochloromethane	110	108	80	121	1.8	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	680-184196-1	6/3/20	680-620985	W	Dibromomethane	98	95	80	120	3	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Ethylbenzene	105	108	80	120	2.8	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Iodomethane	105	106	52	142	1	30
SW8260B	680-184196-1	6/3/20	680-620985	W	Methylene Chloride	90	88	80	120	2.2	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Mtbe	93	90	80	120	3.3	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Styrene	106	106	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Tetrachloroethylene	117	120	80	121	2.5	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Toluene	106	107	80	113	0.94	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Trans-1,2-Dichloroethene	99	100	80	120	1.0	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Trans-1,3-Dichloropropene	108	107	80	120	0.93	30
SW8260B	680-184196-1	6/3/20	680-620985	W	Trans-1,4-Dichloro-2-Butene	90	90	68	125	0	30
SW8260B	680-184196-1	6/3/20	680-620985	W	Trichloroethene	102	105	80	120	3	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Trichlorofluoromethane	96	99	60	141	3	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Vinyl Acetate	110	104	67	135	5.6	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Vinyl Chloride	89	92	71	128	3	20
SW8260B	680-184196-1	6/3/20	680-620985	W	Xylenes (Total)	104	105	80	120	1.0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,1,1,2-Tetrachloroethane	94	107	80	121	13	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,1,1-Trichloroethane	92	92	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,1,2,2-Tetrachloroethane	102	102	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,1,2-Trichloroethane	105	102	80	120	3	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,1-Dichloroethane	89	88	80	120	1.1	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,1-Dichloroethene	100	102	76	120	2	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,2,3-Trichloropropane	97	100	80	123	3.05	30
SW8260B	680-184196-1	6/3/20	680-621049	W	1,2-Dibromo-3-Chloropropane	90	93	71	134	3.3	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,2-Dibromoethane	113	105	80	120	7	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,2-Dichlorobenzene	109	106	80	120	2.8	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,2-Dichloroethane	84	84	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,2-Dichloropropane	104	101	80	120	3	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,3-Dichloropropane	104	101	80	120	2.9	20
SW8260B	680-184196-1	6/3/20	680-621049	W	1,4-Dichlorobenzene	97	99	80	120	2.0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	2-Butanone (MEK)	82	85	80	131	3.6	20
SW8260B	680-184196-1	6/3/20	680-621049	W	2-Hexanone	97	94	74	127	3.14	20
SW8260B	680-184196-1	6/3/20	680-621049	W	4-Methyl-2-Pentanone (MIBK)	90	88	76	124	2.25	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	680-184196-1	6/3/20	680-621049	W	Acetone	100	101	70	135	1.0	30
SW8260B	680-184196-1	6/3/20	680-621049	W	Acrylonitrile	100	99	80	123	1	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Benzene	102	102	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Bromochloromethane	84	83	80	120	1.20	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Bromodichloromethane	97	96	80	120	1	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Bromoform	96	105	74	126	9	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Bromomethane	143	134	62	130	6.5	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Carbon Disulfide	97	96	80	120	1.0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Carbon Tetrachloride	89	92	76	123	3.31	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Chlorobenzene	100	105	80	120	4.9	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Chloroethane	93	91	66	135	2.2	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Chloroform	93	92	80	120	1	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Chloromethane	103	101	69	131	2.0	30
SW8260B	680-184196-1	6/3/20	680-621049	W	Cis-1,2-Dichloroethene	103	100	80	120	3.0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Cis-1,3-Dichloropropene	94	95	80	120	1.1	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Dibromochloromethane	104	100	80	121	3.9	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Dibromomethane	98	94	80	120	4.2	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Ethylbenzene	102	107	80	120	4.8	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Iodomethane	117	113	52	142	3.5	30
SW8260B	680-184196-1	6/3/20	680-621049	W	Methylene Chloride	114	110	80	120	3.6	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Mtbe	102	97	80	120	5.03	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Styrene	116	121	80	120	4.2	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Tetrachloroethylene	98	101	80	121	3.0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Toluene	106	107	80	113	1	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Trans-1,2-Dichloroethene	102	100	80	120	2.0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Trans-1,3-Dichloropropene	92	88	80	120	4.4	30
SW8260B	680-184196-1	6/3/20	680-621049	W	Trans-1,4-Dichloro-2-Butene	85	83	68	125	2.4	30
SW8260B	680-184196-1	6/3/20	680-621049	W	Trichloroethene	104	104	80	120	0	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Trichlorofluoromethane	95	94	60	141	1.1	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Vinyl Acetate	85	89	67	135	4.6	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Vinyl Chloride	92	93	71	128	1.1	20
SW8260B	680-184196-1	6/3/20	680-621049	W	Xylenes (Total)	100	105	80	120	4.9	20
SW8260B	680-184447	6/6/20	680-621514	W	1,1,1,2-Tetrachloroethane	104	104	80	121	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	680-184447	6/6/20	680-621514	W	1,1,1-Trichloroethane	101	102	80	120	1.0	20
SW8260B	680-184447	6/6/20	680-621514	W	1,1,2,2-Tetrachloroethane	100	100	80	120	0	20
SW8260B	680-184447	6/6/20	680-621514	W	1,1,2-Trichloroethane	104	107	80	120	2.8	20
SW8260B	680-184447	6/6/20	680-621514	W	1,1-Dichloroethane	100	103	80	120	3.0	20
SW8260B	680-184447	6/6/20	680-621514	W	1,1-Dichloroethene	104	103	76	120	1.0	20
SW8260B	680-184447	6/6/20	680-621514	W	1,2,3-Trichloropropane	108	108	80	123	0	30
SW8260B	680-184447	6/6/20	680-621514	W	1,2-Dibromo-3-Chloropropane	103	103	71	134	0	20
SW8260B	680-184447	6/6/20	680-621514	W	1,2-Dibromoethane	109	113	80	120	3.6	20
SW8260B	680-184447	6/6/20	680-621514	W	1,2-Dichlorobenzene	101	100	80	120	1.0	20
SW8260B	680-184447	6/6/20	680-621514	W	1,2-Dichloroethane	106	110	80	120	3.7	20
SW8260B	680-184447	6/6/20	680-621514	W	1,2-Dichloropropane	107	109	80	120	2	20
SW8260B	680-184447	6/6/20	680-621514	W	1,3-Dichloropropane	104	107	80	120	2.8	20
SW8260B	680-184447	6/6/20	680-621514	W	1,4-Dichlorobenzene	100	99	80	120	1.0	20
SW8260B	680-184447	6/6/20	680-621514	W	2-Butanone (MEK)	91	98	80	131	7.4	20
SW8260B	680-184447	6/6/20	680-621514	W	2-Hexanone	96	102	74	127	6.1	20
SW8260B	680-184447	6/6/20	680-621514	W	4-Methyl-2-Pentanone (MIBK)	108	113	76	124	4.5	20
SW8260B	680-184447	6/6/20	680-621514	W	Acetone	99	103	70	135	3.96	30
SW8260B	680-184447	6/6/20	680-621514	W	Acrylonitrile	99	103	80	123	4.0	20
SW8260B	680-184447	6/6/20	680-621514	W	Benzene	100	101	80	120	1	20
SW8260B	680-184447	6/6/20	680-621514	W	Bromochloromethane	95	97	80	120	2.1	20
SW8260B	680-184447	6/6/20	680-621514	W	Bromodichloromethane	106	108	80	120	1.9	20
SW8260B	680-184447	6/6/20	680-621514	W	Bromoform	105	105	74	126	0	20
SW8260B	680-184447	6/6/20	680-621514	W	Bromomethane	148	151	62	130	2.01	20
SW8260B	680-184447	6/6/20	680-621514	W	Carbon Disulfide	98	98	80	120	0	20
SW8260B	680-184447	6/6/20	680-621514	W	Carbon Tetrachloride	100	101	76	123	1.00	20
SW8260B	680-184447	6/6/20	680-621514	W	Chlorobenzene	101	101	80	120	0	20
SW8260B	680-184447	6/6/20	680-621514	W	Chloroethane	240	243	66	135	1.2	20
SW8260B	680-184447	6/6/20	680-621514	W	Chloroform	103	106	80	120	2.87	20
SW8260B	680-184447	6/6/20	680-621514	W	Chloromethane	80	89	69	131	11	30
SW8260B	680-184447	6/6/20	680-621514	W	Cis-1,2-Dichloroethene	110	111	80	120	0.90	20
SW8260B	680-184447	6/6/20	680-621514	W	Cis-1,3-Dichloropropene	111	113	80	120	1.8	20
SW8260B	680-184447	6/6/20	680-621514	W	Dibromochloromethane	107	111	80	121	4	20
SW8260B	680-184447	6/6/20	680-621514	W	Dibromomethane	107	111	80	120	3.7	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	680-184447	6/6/20	680-621514	W	Ethylbenzene	101	101	80	120	0	20
SW8260B	680-184447	6/6/20	680-621514	W	Iodomethane	80	83	52	142	3.7	30
SW8260B	680-184447	6/6/20	680-621514	W	Methylene Chloride	94	97	80	120	3.1	20
SW8260B	680-184447	6/6/20	680-621514	W	Mtbe	102	105	80	120	2.9	20
SW8260B	680-184447	6/6/20	680-621514	W	Styrene	101	101	80	120	0	20
SW8260B	680-184447	6/6/20	680-621514	W	Tetrachloroethylene	102	105	80	121	2.9	20
SW8260B	680-184447	6/6/20	680-621514	W	Toluene	103	106	80	113	2.9	20
SW8260B	680-184447	6/6/20	680-621514	W	Trans-1,2-Dichloroethene	101	105	80	120	3.88	20
SW8260B	680-184447	6/6/20	680-621514	W	Trans-1,3-Dichloropropene	104	109	80	120	4.7	30
SW8260B	680-184447	6/6/20	680-621514	W	Trans-1,4-Dichloro-2-Butene	109	109	68	125	0	30
SW8260B	680-184447	6/6/20	680-621514	W	Trichloroethene	103	105	80	120	1.9	20
SW8260B	680-184447	6/6/20	680-621514	W	Trichlorofluoromethane	111	111	60	141	0	20
SW8260B	680-184447	6/6/20	680-621514	W	Vinyl Acetate	101	103	67	135	2.0	20
SW8260B	680-184447	6/6/20	680-621514	W	Vinyl Chloride	98	99	71	128	1.0	20
SW8260B	680-184447	6/6/20	680-621514	W	Xylenes (Total)	103	103	80	120	0	20
SW8260B	680-184447	6/6/20	680-621520	W	1,1,1,2-Tetrachloroethane	114	113	80	121	0.88	20
SW8260B	680-184447	6/6/20	680-621520	W	1,1,1-Trichloroethane	101	103	80	120	2	20
SW8260B	680-184447	6/6/20	680-621520	W	1,1,2,2-Tetrachloroethane	106	107	80	120	1	20
SW8260B	680-184447	6/6/20	680-621520	W	1,1,2-Trichloroethane	109	109	80	120	0	20
SW8260B	680-184447	6/6/20	680-621520	W	1,1-Dichloroethane	100	102	80	120	2.0	20
SW8260B	680-184447	6/6/20	680-621520	W	1,1-Dichloroethene	109	108	76	120	0.92	20
SW8260B	680-184447	6/6/20	680-621520	W	1,2,3-Trichloropropane	100	102	80	123	2.0	30
SW8260B	680-184447	6/6/20	680-621520	W	1,2-Dibromo-3-Chloropropane	101	102	71	134	1.0	20
SW8260B	680-184447	6/6/20	680-621520	W	1,2-Dibromoethane	106	106	80	120	0	20
SW8260B	680-184447	6/6/20	680-621520	W	1,2-Dichlorobenzene	104	105	80	120	1.0	20
SW8260B	680-184447	6/6/20	680-621520	W	1,2-Dichloroethane	102	103	80	120	1.0	20
SW8260B	680-184447	6/6/20	680-621520	W	1,2-Dichloropropane	103	103	80	120	0	20
SW8260B	680-184447	6/6/20	680-621520	W	1,3-Dichloropropane	92	93	80	120	1.1	20
SW8260B	680-184447	6/6/20	680-621520	W	1,4-Dichlorobenzene	102	104	80	120	1.9	20
SW8260B	680-184447	6/6/20	680-621520	W	2-Butanone (MEK)	105	105	80	131	0	20
SW8260B	680-184447	6/6/20	680-621520	W	2-Hexanone	83	84	74	127	1.2	20
SW8260B	680-184447	6/6/20	680-621520	W	4-Methyl-2-Pentanone (MIBK)	92	94	76	124	2.2	20
SW8260B	680-184447	6/6/20	680-621520	W	Acetone	100	100	70	135	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	680-184447	6/6/20	680-621520	W	Acrylonitrile	98	98	80	123	0	20
SW8260B	680-184447	6/6/20	680-621520	W	Benzene	106	107	80	120	1	20
SW8260B	680-184447	6/6/20	680-621520	W	Bromochloromethane	114	113	80	120	0.88	20
SW8260B	680-184447	6/6/20	680-621520	W	Bromodichloromethane	104	105	80	120	1	20
SW8260B	680-184447	6/6/20	680-621520	W	Bromoform	109	110	74	126	0.91	20
SW8260B	680-184447	6/6/20	680-621520	W	Bromomethane	393	385	62	130	2.1	20
SW8260B	680-184447	6/6/20	680-621520	W	Carbon Disulfide	105	107	80	120	1.9	20
SW8260B	680-184447	6/6/20	680-621520	W	Carbon Tetrachloride	107	106	76	123	1	20
SW8260B	680-184447	6/6/20	680-621520	W	Chlorobenzene	108	109	80	120	0.92	20
SW8260B	680-184447	6/6/20	680-621520	W	Chloroethane	107	107	66	135	0	20
SW8260B	680-184447	6/6/20	680-621520	W	Chloroform	103	103	80	120	0	20
SW8260B	680-184447	6/6/20	680-621520	W	Chloromethane	93	95	69	131	2.1	30
SW8260B	680-184447	6/6/20	680-621520	W	Cis-1,2-Dichloroethene	98	98	80	120	0	20
SW8260B	680-184447	6/6/20	680-621520	W	Cis-1,3-Dichloropropene	107	108	80	120	0.93	20
SW8260B	680-184447	6/6/20	680-621520	W	Dibromochloromethane	113	116	80	121	2.6	20
SW8260B	680-184447	6/6/20	680-621520	W	Dibromomethane	104	103	80	120	1.0	20
SW8260B	680-184447	6/6/20	680-621520	W	Ethylbenzene	103	104	80	120	1.0	20
SW8260B	680-184447	6/6/20	680-621520	W	Iodomethane	107	109	52	142	1.9	30
SW8260B	680-184447	6/6/20	680-621520	W	Methylene Chloride	94	94	80	120	0	20
SW8260B	680-184447	6/6/20	680-621520	W	Mtbe	102	103	80	120	1.0	20
SW8260B	680-184447	6/6/20	680-621520	W	Styrene	105	106	80	120	1	20
SW8260B	680-184447	6/6/20	680-621520	W	Tetrachloroethylene	117	118	80	121	1	20
SW8260B	680-184447	6/6/20	680-621520	W	Toluene	107	110	80	113	2.8	20
SW8260B	680-184447	6/6/20	680-621520	W	Trans-1,2-Dichloroethene	106	107	80	120	0.94	20
SW8260B	680-184447	6/6/20	680-621520	W	Trans-1,3-Dichloropropene	106	107	80	120	0.94	30
SW8260B	680-184447	6/6/20	680-621520	W	Trans-1,4-Dichloro-2-Butene	100	101	68	125	1.0	30
SW8260B	680-184447	6/6/20	680-621520	W	Trichloroethene	104	106	80	120	1.9	20
SW8260B	680-184447	6/6/20	680-621520	W	Trichlorofluoromethane	99	99	60	141	0	20
SW8260B	680-184447	6/6/20	680-621520	W	Vinyl Acetate	101	100	67	135	1.0	20
SW8260B	680-184447	6/6/20	680-621520	W	Vinyl Chloride	100	101	71	128	1.0	20
SW8260B	680-184447	6/6/20	680-621520	W	Xylenes (Total)	101	102	80	120	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	1,1,1,2-Tetrachloroethane	100	99	80	121	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	1,1,1-Trichloroethane	99	97	80	120	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	680-184447	6/9/20	680-621746	W	1,1,2,2-Tetrachloroethane	100	101	80	120	1	20
SW8260B	680-184447	6/9/20	680-621746	W	1,1,2-Trichloroethane	100	102	80	120	2	20
SW8260B	680-184447	6/9/20	680-621746	W	1,1-Dichloroethane	97	96	80	120	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	1,1-Dichloroethene	101	100	76	120	1.00	20
SW8260B	680-184447	6/9/20	680-621746	W	1,2,3-Trichloropropane	103	107	80	123	3.8	30
SW8260B	680-184447	6/9/20	680-621746	W	1,2-Dibromo-3-Chloropropane	99	99	71	134	0	20
SW8260B	680-184447	6/9/20	680-621746	W	1,2-Dibromoethane	106	109	80	120	2.79	20
SW8260B	680-184447	6/9/20	680-621746	W	1,2-Dichlorobenzene	98	97	80	120	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	1,2-Dichloroethane	98	104	80	120	5.9	20
SW8260B	680-184447	6/9/20	680-621746	W	1,2-Dichloropropane	103	103	80	120	0	20
SW8260B	680-184447	6/9/20	680-621746	W	1,3-Dichloropropane	101	104	80	120	2.9	20
SW8260B	680-184447	6/9/20	680-621746	W	1,4-Dichlorobenzene	98	96	80	120	2.1	20
SW8260B	680-184447	6/9/20	680-621746	W	2-Butanone (MEK)	94	96	80	131	2.1	20
SW8260B	680-184447	6/9/20	680-621746	W	2-Hexanone	96	99	74	127	3.1	20
SW8260B	680-184447	6/9/20	680-621746	W	4-Methyl-2-Pentanone (MIBK)	105	110	76	124	4.7	20
SW8260B	680-184447	6/9/20	680-621746	W	Acetone	98	100	70	135	2	30
SW8260B	680-184447	6/9/20	680-621746	W	Acrylonitrile	95	97	80	123	2.1	20
SW8260B	680-184447	6/9/20	680-621746	W	Benzene	98	97	80	120	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	Bromochloromethane	91	92	80	120	1.09	20
SW8260B	680-184447	6/9/20	680-621746	W	Bromodichloromethane	102	104	80	120	1.94	20
SW8260B	680-184447	6/9/20	680-621746	W	Bromoform	99	102	74	126	3.0	20
SW8260B	680-184447	6/9/20	680-621746	W	Bromomethane	163	170	62	130	4.2	20
SW8260B	680-184447	6/9/20	680-621746	W	Carbon Disulfide	92	90	80	120	2.2	20
SW8260B	680-184447	6/9/20	680-621746	W	Carbon Tetrachloride	98	96	76	123	2.1	20
SW8260B	680-184447	6/9/20	680-621746	W	Chlorobenzene	97	98	80	120	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	Chloroethane	245	243	66	135	0.82	20
SW8260B	680-184447	6/9/20	680-621746	W	Chloroform	99	99	80	120	0	20
SW8260B	680-184447	6/9/20	680-621746	W	Chloromethane	95	86	69	131	9.9	30
SW8260B	680-184447	6/9/20	680-621746	W	Cis-1,2-Dichloroethene	105	105	80	120	0	20
SW8260B	680-184447	6/9/20	680-621746	W	Cis-1,3-Dichloropropene	105	108	80	120	2.82	20
SW8260B	680-184447	6/9/20	680-621746	W	Dibromochloromethane	103	107	80	121	3.8	20
SW8260B	680-184447	6/9/20	680-621746	W	Dibromomethane	103	106	80	120	2.9	20
SW8260B	680-184447	6/9/20	680-621746	W	Ethylbenzene	98	98	80	120	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	680-184447	6/9/20	680-621746	W	Iodomethane	107	106	52	142	0.94	30
SW8260B	680-184447	6/9/20	680-621746	W	Methylene Chloride	88	90	80	120	2.2	20
SW8260B	680-184447	6/9/20	680-621746	W	Mtbe	96	100	80	120	4	20
SW8260B	680-184447	6/9/20	680-621746	W	Styrene	96	97	80	120	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	Tetrachloroethylene	103	101	80	121	2.0	20
SW8260B	680-184447	6/9/20	680-621746	W	Toluene	102	101	80	113	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	Trans-1,2-Dichloroethene	98	99	80	120	1.0	20
SW8260B	680-184447	6/9/20	680-621746	W	Trans-1,3-Dichloropropene	101	103	80	120	2.0	30
SW8260B	680-184447	6/9/20	680-621746	W	Trans-1,4-Dichloro-2-Butene	100	106	68	125	5.8	30
SW8260B	680-184447	6/9/20	680-621746	W	Trichloroethene	101	101	80	120	0	20
SW8260B	680-184447	6/9/20	680-621746	W	Trichlorofluoromethane	105	103	60	141	1.9	20
SW8260B	680-184447	6/9/20	680-621746	W	Vinyl Acetate	97	99	67	135	2.0	20
SW8260B	680-184447	6/9/20	680-621746	W	Vinyl Chloride	92	90	71	128	2.2	20
SW8260B	680-184447	6/9/20	680-621746	W	Xylenes (Total)	99	100	80	120	1.0	20
SW8260B	680-184447	6/10/20	680-621992	W	1,1,1,2-Tetrachloroethane	106	107	80	121	1	20
SW8260B	680-184447	6/10/20	680-621992	W	1,1,1-Trichloroethane	98	99	80	120	1.0	20
SW8260B	680-184447	6/10/20	680-621992	W	1,1,2,2-Tetrachloroethane	103	102	80	120	1	20
SW8260B	680-184447	6/10/20	680-621992	W	1,1,2-Trichloroethane	111	109	80	120	1.8	20
SW8260B	680-184447	6/10/20	680-621992	W	1,1-Dichloroethane	103	102	80	120	1	20
SW8260B	680-184447	6/10/20	680-621992	W	1,1-Dichloroethene	100	99	76	120	1	20
SW8260B	680-184447	6/10/20	680-621992	W	1,2,3-Trichloropropane	111	111	80	123	0	30
SW8260B	680-184447	6/10/20	680-621992	W	1,2-Dibromo-3-Chloropropane	106	106	71	134	0	20
SW8260B	680-184447	6/10/20	680-621992	W	1,2-Dibromoethane	117	113	80	120	3.5	20
SW8260B	680-184447	6/10/20	680-621992	W	1,2-Dichlorobenzene	104	105	80	120	1.0	20
SW8260B	680-184447	6/10/20	680-621992	W	1,2-Dichloroethane	111	110	80	120	0.90	20
SW8260B	680-184447	6/10/20	680-621992	W	1,2-Dichloropropane	111	113	80	120	1.8	20
SW8260B	680-184447	6/10/20	680-621992	W	1,3-Dichloropropane	111	109	80	120	1.8	20
SW8260B	680-184447	6/10/20	680-621992	W	1,4-Dichlorobenzene	101	103	80	120	2.0	20
SW8260B	680-184447	6/10/20	680-621992	W	2-Butanone (MEK)	102	99	80	131	3.0	20
SW8260B	680-184447	6/10/20	680-621992	W	2-Hexanone	104	101	74	127	2.9	20
SW8260B	680-184447	6/10/20	680-621992	W	4-Methyl-2-Pentanone (MIBK)	117	113	76	124	3.5	20
SW8260B	680-184447	6/10/20	680-621992	W	Acetone	106	105	70	135	0.95	30
SW8260B	680-184447	6/10/20	680-621992	W	Acrylonitrile	106	103	80	123	2.9	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	680-184447	6/10/20	680-621992	W	Benzene	103	103	80	120	0	20
SW8260B	680-184447	6/10/20	680-621992	W	Bromochloromethane	101	98	80	120	3.0	20
SW8260B	680-184447	6/10/20	680-621992	W	Bromodichloromethane	109	111	80	120	1.8	20
SW8260B	680-184447	6/10/20	680-621992	W	Bromoform	107	106	74	126	0.94	20
SW8260B	680-184447	6/10/20	680-621992	W	Bromomethane	183	193	62	130	5.3	20
SW8260B	680-184447	6/10/20	680-621992	W	Carbon Disulfide	93	93	80	120	0	20
SW8260B	680-184447	6/10/20	680-621992	W	Carbon Tetrachloride	96	95	76	123	1.0	20
SW8260B	680-184447	6/10/20	680-621992	W	Chlorobenzene	103	103	80	120	0	20
SW8260B	680-184447	6/10/20	680-621992	W	Chloroethane	244	247	66	135	1.2	20
SW8260B	680-184447	6/10/20	680-621992	W	Chloroform	107	106	80	120	0.94	20
SW8260B	680-184447	6/10/20	680-621992	W	Chloromethane	97	101	69	131	4	30
SW8260B	680-184447	6/10/20	680-621992	W	Cis-1,2-Dichloroethene	109	110	80	120	0.91	20
SW8260B	680-184447	6/10/20	680-621992	W	Cis-1,3-Dichloropropene	111	110	80	120	0.90	20
SW8260B	680-184447	6/10/20	680-621992	W	Dibromochloromethane	114	111	80	121	3	20
SW8260B	680-184447	6/10/20	680-621992	W	Dibromomethane	115	112	80	120	3	20
SW8260B	680-184447	6/10/20	680-621992	W	Ethylbenzene	101	101	80	120	0	20
SW8260B	680-184447	6/10/20	680-621992	W	Iodomethane	110	112	52	142	1.8	30
SW8260B	680-184447	6/10/20	680-621992	W	Methylene Chloride	99	99	80	120	0	20
SW8260B	680-184447	6/10/20	680-621992	W	Mtbe	108	106	80	120	1.9	20
SW8260B	680-184447	6/10/20	680-621992	W	Styrene	103	103	80	120	0	20
SW8260B	680-184447	6/10/20	680-621992	W	Tetrachloroethylene	101	102	80	121	0.99	20
SW8260B	680-184447	6/10/20	680-621992	W	Toluene	107	108	80	113	0.93	20
SW8260B	680-184447	6/10/20	680-621992	W	Trans-1,2-Dichloroethene	102	105	80	120	2.9	20
SW8260B	680-184447	6/10/20	680-621992	W	Trans-1,3-Dichloropropene	107	106	80	120	0.94	30
SW8260B	680-184447	6/10/20	680-621992	W	Trans-1,4-Dichloro-2-Butene	104	103	68	125	1.0	30
SW8260B	680-184447	6/10/20	680-621992	W	Trichloroethene	106	106	80	120	0	20
SW8260B	680-184447	6/10/20	680-621992	W	Trichlorofluoromethane	100	101	60	141	1	20
SW8260B	680-184447	6/10/20	680-621992	W	Vinyl Acetate	79	80	67	135	1.26	20
SW8260B	680-184447	6/10/20	680-621992	W	Vinyl Chloride	93	94	71	128	1.1	20
SW8260B	680-184447	6/10/20	680-621992	W	Xylenes (Total)	103	104	80	120	1.0	20
SW8260B	680-184447	6/11/20	680-622063	W	1,1,1,2-Tetrachloroethane	110	110	80	121	0	20
SW8260B	680-184447	6/11/20	680-622063	W	1,1,1-Trichloroethane	105	108	80	120	2.8	20
SW8260B	680-184447	6/11/20	680-622063	W	1,1,2,2-Tetrachloroethane	103	104	80	120	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	680-184447	6/11/20	680-622063	W	1,1,2-Trichloroethane	106	108	80	120	1.9	20
SW8260B	680-184447	6/11/20	680-622063	W	1,1-Dichloroethane	103	105	80	120	1.9	20
SW8260B	680-184447	6/11/20	680-622063	W	1,1-Dichloroethene	107	112	76	120	4.6	20
SW8260B	680-184447	6/11/20	680-622063	W	1,2,3-Trichloropropane	111	111	80	123	0	30
SW8260B	680-184447	6/11/20	680-622063	W	1,2-Dibromo-3-Chloropropane	102	103	71	134	1.0	20
SW8260B	680-184447	6/11/20	680-622063	W	1,2-Dibromoethane	112	114	80	120	1.8	20
SW8260B	680-184447	6/11/20	680-622063	W	1,2-Dichlorobenzene	104	107	80	120	2.8	20
SW8260B	680-184447	6/11/20	680-622063	W	1,2-Dichloroethane	107	110	80	120	2.8	20
SW8260B	680-184447	6/11/20	680-622063	W	1,2-Dichloropropane	109	111	80	120	1.8	20
SW8260B	680-184447	6/11/20	680-622063	W	1,3-Dichloropropane	106	109	80	120	3	20
SW8260B	680-184447	6/11/20	680-622063	W	1,4-Dichlorobenzene	105	104	80	120	1.0	20
SW8260B	680-184447	6/11/20	680-622063	W	2-Butanone (MEK)	95	96	80	131	1.05	20
SW8260B	680-184447	6/11/20	680-622063	W	2-Hexanone	95	98	74	127	3.1	20
SW8260B	680-184447	6/11/20	680-622063	W	4-Methyl-2-Pentanone (MIBK)	108	110	76	124	1.8	20
SW8260B	680-184447	6/11/20	680-622063	W	Acetone	98	104	70	135	5.9	30
SW8260B	680-184447	6/11/20	680-622063	W	Acrylonitrile	101	104	80	123	2.9	20
SW8260B	680-184447	6/11/20	680-622063	W	Benzene	103	106	80	120	2.9	20
SW8260B	680-184447	6/11/20	680-622063	W	Bromochloromethane	98	99	80	120	1.0	20
SW8260B	680-184447	6/11/20	680-622063	W	Bromodichloromethane	108	110	80	120	2	20
SW8260B	680-184447	6/11/20	680-622063	W	Bromoform	107	108	74	126	0.93	20
SW8260B	680-184447	6/11/20	680-622063	W	Bromomethane	204	257	62	130	23	20
SW8260B	680-184447	6/11/20	680-622063	W	Carbon Disulfide	101	102	80	120	1.0	20
SW8260B	680-184447	6/11/20	680-622063	W	Carbon Tetrachloride	104	109	76	123	4.69	20
SW8260B	680-184447	6/11/20	680-622063	W	Chlorobenzene	106	107	80	120	0.94	20
SW8260B	680-184447	6/11/20	680-622063	W	Chloroethane	251	257	66	135	2.4	20
SW8260B	680-184447	6/11/20	680-622063	W	Chloroform	105	107	80	120	2	20
SW8260B	680-184447	6/11/20	680-622063	W	Chloromethane	101	101	69	131	0	30
SW8260B	680-184447	6/11/20	680-622063	W	Cis-1,2-Dichloroethene	113	115	80	120	1.8	20
SW8260B	680-184447	6/11/20	680-622063	W	Cis-1,3-Dichloropropene	112	115	80	120	2.6	20
SW8260B	680-184447	6/11/20	680-622063	W	Dibromochloromethane	109	111	80	121	1.8	20
SW8260B	680-184447	6/11/20	680-622063	W	Dibromomethane	110	111	80	120	0.90	20
SW8260B	680-184447	6/11/20	680-622063	W	Ethylbenzene	108	109	80	120	1	20
SW8260B	680-184447	6/11/20	680-622063	W	Iodomethane	110	115	52	142	4.4	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	680-184447	6/11/20	680-622063	W	Methylene Chloride	98	99	80	120	1.0	20
SW8260B	680-184447	6/11/20	680-622063	W	Mtbe	102	107	80	120	4.8	20
SW8260B	680-184447	6/11/20	680-622063	W	Styrene	107	107	80	120	0	20
SW8260B	680-184447	6/11/20	680-622063	W	Tetrachloroethylene	108	112	80	121	3.6	20
SW8260B	680-184447	6/11/20	680-622063	W	Toluene	108	111	80	113	2.7	20
SW8260B	680-184447	6/11/20	680-622063	W	Trans-1,2-Dichloroethene	107	109	80	120	1.9	20
SW8260B	680-184447	6/11/20	680-622063	W	Trans-1,3-Dichloropropene	106	108	80	120	1.87	30
SW8260B	680-184447	6/11/20	680-622063	W	Trans-1,4-Dichloro-2-Butene	104	110	68	125	6	30
SW8260B	680-184447	6/11/20	680-622063	W	Trichloroethene	107	108	80	120	0.93	20
SW8260B	680-184447	6/11/20	680-622063	W	Trichlorofluoromethane	118	119	60	141	0.84	20
SW8260B	680-184447	6/11/20	680-622063	W	Vinyl Acetate	101	103	67	135	2	20
SW8260B	680-184447	6/11/20	680-622063	W	Vinyl Chloride	104	106	71	128	1.9	20
SW8260B	680-184447	6/11/20	680-622063	W	Xylenes (Total)	110	110	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	1,1,1,2-Tetrachloroethane	115	114	80	121	0.87	20
SW8260B	680-184447	6/11/20	680-622071	W	1,1,1-Trichloroethane	105	103	80	120	1.92	20
SW8260B	680-184447	6/11/20	680-622071	W	1,1,2,2-Tetrachloroethane	106	108	80	120	1.87	20
SW8260B	680-184447	6/11/20	680-622071	W	1,1,2-Trichloroethane	110	112	80	120	1.8	20
SW8260B	680-184447	6/11/20	680-622071	W	1,1-Dichloroethane	104	104	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	1,1-Dichloroethene	113	113	76	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	1,2,3-Trichloropropane	99	101	80	123	2.0	30
SW8260B	680-184447	6/11/20	680-622071	W	1,2-Dibromo-3-Chloropropane	101	105	71	134	3.88	20
SW8260B	680-184447	6/11/20	680-622071	W	1,2-Dibromoethane	104	107	80	120	2.84	20
SW8260B	680-184447	6/11/20	680-622071	W	1,2-Dichlorobenzene	109	110	80	120	0.91	20
SW8260B	680-184447	6/11/20	680-622071	W	1,2-Dichloroethane	101	99	80	120	2.0	20
SW8260B	680-184447	6/11/20	680-622071	W	1,2-Dichloropropane	107	108	80	120	1	20
SW8260B	680-184447	6/11/20	680-622071	W	1,3-Dichloropropane	94	94	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	1,4-Dichlorobenzene	107	107	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	2-Butanone (MEK)	108	112	80	131	3.6	20
SW8260B	680-184447	6/11/20	680-622071	W	2-Hexanone	84	89	74	127	5.8	20
SW8260B	680-184447	6/11/20	680-622071	W	4-Methyl-2-Pentanone (MIBK)	95	98	76	124	3.1	20
SW8260B	680-184447	6/11/20	680-622071	W	Acetone	108	109	70	135	0.92	30
SW8260B	680-184447	6/11/20	680-622071	W	Acrylonitrile	102	105	80	123	3	20
SW8260B	680-184447	6/11/20	680-622071	W	Benzene	111	110	80	120	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	680-184447	6/11/20	680-622071	W	Bromochloromethane	115	115	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Bromodichloromethane	107	107	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Bromoform	108	110	74	126	1.83	20
SW8260B	680-184447	6/11/20	680-622071	W	Bromomethane	419	427	62	130	1.9	20
SW8260B	680-184447	6/11/20	680-622071	W	Carbon Disulfide	115	113	80	120	1.8	20
SW8260B	680-184447	6/11/20	680-622071	W	Carbon Tetrachloride	112	110	76	123	1.8	20
SW8260B	680-184447	6/11/20	680-622071	W	Chlorobenzene	112	112	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Chloroethane	117	115	66	135	1.7	20
SW8260B	680-184447	6/11/20	680-622071	W	Chloroform	105	103	80	120	1.9	20
SW8260B	680-184447	6/11/20	680-622071	W	Chloromethane	107	106	69	131	1	30
SW8260B	680-184447	6/11/20	680-622071	W	Cis-1,2-Dichloroethene	102	100	80	120	2	20
SW8260B	680-184447	6/11/20	680-622071	W	Cis-1,3-Dichloropropene	112	111	80	120	0.90	20
SW8260B	680-184447	6/11/20	680-622071	W	Dibromochloromethane	112	114	80	121	1.8	20
SW8260B	680-184447	6/11/20	680-622071	W	Dibromomethane	103	103	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Ethylbenzene	109	109	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Iodomethane	114	114	52	142	0	30
SW8260B	680-184447	6/11/20	680-622071	W	Methylene Chloride	98	97	80	120	1.0	20
SW8260B	680-184447	6/11/20	680-622071	W	Mtbe	102	104	80	120	1.9	20
SW8260B	680-184447	6/11/20	680-622071	W	Styrene	108	108	80	120	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Tetrachloroethylene	122	121	80	121	0.82	20
SW8260B	680-184447	6/11/20	680-622071	W	Toluene	112	112	80	113	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Trans-1,2-Dichloroethene	111	110	80	120	0.90	20
SW8260B	680-184447	6/11/20	680-622071	W	Trans-1,3-Dichloropropene	106	107	80	120	0.94	30
SW8260B	680-184447	6/11/20	680-622071	W	Trans-1,4-Dichloro-2-Butene	89	95	68	125	6.5	30
SW8260B	680-184447	6/11/20	680-622071	W	Trichloroethene	108	109	80	120	0.92	20
SW8260B	680-184447	6/11/20	680-622071	W	Trichlorofluoromethane	105	103	60	141	1.9	20
SW8260B	680-184447	6/11/20	680-622071	W	Vinyl Acetate	104	104	67	135	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Vinyl Chloride	113	113	71	128	0	20
SW8260B	680-184447	6/11/20	680-622071	W	Xylenes (Total)	106	107	80	120	0.94	20
SW8260B	680-184447	6/12/20	680-622267	W	1,1,1,2-Tetrachloroethane	111	112	80	121	0.90	20
SW8260B	680-184447	6/12/20	680-622267	W	1,1,1-Trichloroethane	101	100	80	120	1.0	20
SW8260B	680-184447	6/12/20	680-622267	W	1,1,2,2-Tetrachloroethane	105	108	80	120	2.8	20
SW8260B	680-184447	6/12/20	680-622267	W	1,1,2-Trichloroethane	110	113	80	120	2.7	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	680-184447	6/12/20	680-622267	W	1,1-Dichloroethane	102	101	80	120	1.0	20
SW8260B	680-184447	6/12/20	680-622267	W	1,1-Dichloroethene	110	106	76	120	3.7	20
SW8260B	680-184447	6/12/20	680-622267	W	1,2,3-Trichloropropane	96	100	80	123	4.1	30
SW8260B	680-184447	6/12/20	680-622267	W	1,2-Dibromo-3-Chloropropane	100	104	71	134	3.9	20
SW8260B	680-184447	6/12/20	680-622267	W	1,2-Dibromoethane	104	107	80	120	2.8	20
SW8260B	680-184447	6/12/20	680-622267	W	1,2-Dichlorobenzene	106	106	80	120	0	20
SW8260B	680-184447	6/12/20	680-622267	W	1,2-Dichloroethane	98	100	80	120	2.0	20
SW8260B	680-184447	6/12/20	680-622267	W	1,2-Dichloropropane	106	106	80	120	0	20
SW8260B	680-184447	6/12/20	680-622267	W	1,3-Dichloropropane	94	95	80	120	1.06	20
SW8260B	680-184447	6/12/20	680-622267	W	1,4-Dichlorobenzene	105	104	80	120	1.0	20
SW8260B	680-184447	6/12/20	680-622267	W	2-Butanone (MEK)	106	113	80	131	6.4	20
SW8260B	680-184447	6/12/20	680-622267	W	2-Hexanone	86	90	74	127	4.5	20
SW8260B	680-184447	6/12/20	680-622267	W	4-Methyl-2-Pentanone (MIBK)	96	100	76	124	4.1	20
SW8260B	680-184447	6/12/20	680-622267	W	Acetone	107	111	70	135	3.7	30
SW8260B	680-184447	6/12/20	680-622267	W	Acrylonitrile	102	106	80	123	3.8	20
SW8260B	680-184447	6/12/20	680-622267	W	Benzene	109	108	80	120	1	20
SW8260B	680-184447	6/12/20	680-622267	W	Bromochloromethane	111	114	80	120	2.7	20
SW8260B	680-184447	6/12/20	680-622267	W	Bromodichloromethane	103	105	80	120	1.9	20
SW8260B	680-184447	6/12/20	680-622267	W	Bromoform	95	98	74	126	3	20
SW8260B	680-184447	6/12/20	680-622267	W	Bromomethane	386	389	62	130	0.77	20
SW8260B	680-184447	6/12/20	680-622267	W	Carbon Disulfide	112	108	80	120	3.6	20
SW8260B	680-184447	6/12/20	680-622267	W	Carbon Tetrachloride	108	105	76	123	2.8	20
SW8260B	680-184447	6/12/20	680-622267	W	Chlorobenzene	109	110	80	120	0.91	20
SW8260B	680-184447	6/12/20	680-622267	W	Chloroethane	113	110	66	135	2.7	20
SW8260B	680-184447	6/12/20	680-622267	W	Chloroform	102	101	80	120	1.0	20
SW8260B	680-184447	6/12/20	680-622267	W	Chloromethane	105	102	69	131	3	30
SW8260B	680-184447	6/12/20	680-622267	W	Cis-1,2-Dichloroethene	99	99	80	120	0	20
SW8260B	680-184447	6/12/20	680-622267	W	Cis-1,3-Dichloropropene	110	111	80	120	1	20
SW8260B	680-184447	6/12/20	680-622267	W	Dibromochloromethane	109	113	80	121	3.6	20
SW8260B	680-184447	6/12/20	680-622267	W	Dibromomethane	100	101	80	120	1	20
SW8260B	680-184447	6/12/20	680-622267	W	Ethylbenzene	105	105	80	120	0	20
SW8260B	680-184447	6/12/20	680-622267	W	Iodomethane	107	108	52	142	0.93	30
SW8260B	680-184447	6/12/20	680-622267	W	Methylene Chloride	93	94	80	120	1.1	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	680-184447	6/12/20	680-622267	W	Mtbe	100	102	80	120	2.0	20
SW8260B	680-184447	6/12/20	680-622267	W	Styrene	104	106	80	120	1.9	20
SW8260B	680-184447	6/12/20	680-622267	W	Tetrachloroethylene	118	115	80	121	3	20
SW8260B	680-184447	6/12/20	680-622267	W	Toluene	110	108	80	113	2	20
SW8260B	680-184447	6/12/20	680-622267	W	Trans-1,2-Dichloroethene	107	105	80	120	1.9	20
SW8260B	680-184447	6/12/20	680-622267	W	Trans-1,3-Dichloropropene	105	107	80	120	1.9	30
SW8260B	680-184447	6/12/20	680-622267	W	Trans-1,4-Dichloro-2-Butene	84	88	68	125	4.7	30
SW8260B	680-184447	6/12/20	680-622267	W	Trichloroethene	106	104	80	120	1.9	20
SW8260B	680-184447	6/12/20	680-622267	W	Trichlorofluoromethane	102	97	60	141	5.0	20
SW8260B	680-184447	6/12/20	680-622267	W	Vinyl Acetate	103	105	67	135	1.9	20
SW8260B	680-184447	6/12/20	680-622267	W	Vinyl Chloride	111	107	71	128	4	20
SW8260B	680-184447	6/12/20	680-622267	W	Xylenes (Total)	103	104	80	120	1.0	20
SW9060A	680-176985-1/	11/19/19	680-597087	W	Total Organic Carbon	100	100	80	120	0	25
SW9060A	680-176987-1	11/22/19	680-597779	W	Total Organic Carbon	100	100	80	120	0	25
SW9060A	680-176987-1	11/26/19	680-598150	W	Total Organic Carbon	101	101	80	120	0	25
SW9060A	680-177221-1	11/26/19	680-598149	W	Total Organic Carbon	100	101	80	120	1.0	25
SW9060A	680-184196-1	5/29/20	680-620388	W	Total Organic Carbon	98	97	80	120	1.0	25
SW9060A	680-184447	6/3/20	680-621297	W	Total Organic Carbon	99	98	80	120	1.0	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
680-177221-1	OLF-G07	11/20/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	73	131
680-177221-1	OLF-G07	11/20/19	WG	NS	SW8260B	4-Bromofluorobenzene	98	80	120
680-177221-1	OLF-G07	11/20/19	WG	NS	SW8260B	Dibromofluoromethane	106	80	122
680-177221-1	OLF-G07	11/20/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-184447	OLF-G07	5/28/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	108	73	131
680-184447	OLF-G07	5/28/20	WG	NS	SW8260B	4-Bromofluorobenzene	113	73	131
680-184447	OLF-G07	5/28/20	WG	NS	SW8260B	Dibromofluoromethane	110	73	131
680-184447	OLF-G07	5/28/20	WG	NS	SW8260B	Toluene-D8	113	80	120
680-177221-1	OLF-G12	11/19/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	80	120
680-177221-1	OLF-G12	11/19/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-177221-1	OLF-G12	11/19/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-177221-1	OLF-G12	11/19/19	WG	NS	SW8260B	Toluene-D8	100	80	122
680-177221-1	OLF-G12	11/19/19	WG	FD	SW8260B	1,2-Dichloroethane-D4	101	80	122
680-177221-1	OLF-G12	11/19/19	WG	FD	SW8260B	4-Bromofluorobenzene	94	80	120
680-177221-1	OLF-G12	11/19/19	WG	FD	SW8260B	Dibromofluoromethane	99	80	120
680-177221-1	OLF-G12	11/19/19	WG	FD	SW8260B	Toluene-D8	99	80	120
680-184447	OLF-G12	5/29/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	73	131
680-184447	OLF-G12	5/29/20	WG	NS	SW8260B	4-Bromofluorobenzene	104	80	120
680-184447	OLF-G12	5/29/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	122
680-184447	OLF-G12	5/29/20	WG	NS	SW8260B	Toluene-D8	108	80	120
680-177221-1	OLF-G18	11/19/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	73	131
680-177221-1	OLF-G18	11/19/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-177221-1	OLF-G18	11/19/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-177221-1	OLF-G18	11/19/19	WG	NS	SW8260B	Toluene-D8	100	80	120
680-184447	OLF-G18	5/27/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	103	73	131
680-184447	OLF-G18	5/27/20	WG	NS	SW8260B	4-Bromofluorobenzene	112	73	131
680-184447	OLF-G18	5/27/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	120
680-184447	OLF-G18	5/27/20	WG	NS	SW8260B	Toluene-D8	112	80	120
680-177221-1	OLF-G19	11/19/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	103	80	122
680-177221-1	OLF-G19	11/19/19	WG	NS	SW8260B	4-Bromofluorobenzene	93	80	122
680-177221-1	OLF-G19	11/19/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	120
680-177221-1	OLF-G19	11/19/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-184447	OLF-G19	5/27/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	73	131
680-184447	OLF-G19	5/27/20	WG	NS	SW8260B	4-Bromofluorobenzene	108	80	120

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
680-184447	OLF-G19	5/27/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	122
680-184447	OLF-G19	5/27/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-177221-1	OLF-G20	11/20/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-177221-1	OLF-G20	11/20/19	WG	NS	SW8260B	4-Bromofluorobenzene	96	80	120
680-177221-1	OLF-G20	11/20/19	WG	NS	SW8260B	Dibromofluoromethane	107	80	122
680-177221-1	OLF-G20	11/20/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-184447	OLF-G20	5/28/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	95	73	131
680-184447	OLF-G20	5/28/20	WG	NS	SW8260B	4-Bromofluorobenzene	108	80	120
680-184447	OLF-G20	5/28/20	WG	NS	SW8260B	Dibromofluoromethane	103	80	122
680-184447	OLF-G20	5/28/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-177221-1	OLF-G21	11/19/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	101	73	131
680-177221-1	OLF-G21	11/19/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-177221-1	OLF-G21	11/19/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-177221-1	OLF-G21	11/19/19	WG	NS	SW8260B	Toluene-D8	100	80	120
680-184447	OLF-G21	5/27/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-184447	OLF-G21	5/27/20	WG	NS	SW8260B	4-Bromofluorobenzene	111	80	120
680-184447	OLF-G21	5/27/20	WG	NS	SW8260B	Dibromofluoromethane	106	80	122
680-184447	OLF-G21	5/27/20	WG	NS	SW8260B	Toluene-D8	112	80	120
680-177221-1	OLF-G22	11/19/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	73	131
680-177221-1	OLF-G22	11/19/19	WG	NS	SW8260B	4-Bromofluorobenzene	94	73	131
680-177221-1	OLF-G22	11/19/19	WG	NS	SW8260B	Dibromofluoromethane	98	80	120
680-177221-1	OLF-G22	11/19/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-184447	OLF-G22	5/27/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	80	122
680-184447	OLF-G22	5/27/20	WG	NS	SW8260B	4-Bromofluorobenzene	106	80	122
680-184447	OLF-G22	5/27/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	120
680-184447	OLF-G22	5/27/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-177221-1	OLF-G23	11/18/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	71	73	131
680-177221-1	OLF-G23	11/18/19	WG	NS	SW8260B	4-Bromofluorobenzene	99	80	120
680-177221-1	OLF-G23	11/18/19	WG	NS	SW8260B	Dibromofluoromethane	100	80	122
680-177221-1	OLF-G23	11/18/19	WG	NS	SW8260B	Toluene-D8	122	80	120
680-184447	OLF-G23	5/28/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	103	73	131
680-184447	OLF-G23	5/28/20	WG	NS	SW8260B	4-Bromofluorobenzene	109	80	120
680-184447	OLF-G23	5/28/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-184447	OLF-G23	5/28/20	WG	NS	SW8260B	Toluene-D8	111	80	120

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
680-177221-1	OLF-G24	11/18/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-177221-1	OLF-G24	11/18/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-177221-1	OLF-G24	11/18/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-177221-1	OLF-G24	11/18/19	WG	NS	SW8260B	Toluene-D8	98	80	120
680-184447	OLF-G24	5/26/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-184447	OLF-G24	5/26/20	WG	NS	SW8260B	4-Bromofluorobenzene	103	80	120
680-184447	OLF-G24	5/26/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-184447	OLF-G24	5/26/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-184447	OLF-G24	5/26/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	98	73	131
680-184447	OLF-G24	5/26/20	WG	FD	SW8260B	4-Bromofluorobenzene	107	80	120
680-184447	OLF-G24	5/26/20	WG	FD	SW8260B	Dibromofluoromethane	104	80	122
680-184447	OLF-G24	5/26/20	WG	FD	SW8260B	Toluene-D8	109	80	120
680-177221-1	OLF-G26	11/20/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	73	131
680-177221-1	OLF-G26	11/20/19	WG	NS	SW8260B	4-Bromofluorobenzene	97	80	120
680-177221-1	OLF-G26	11/20/19	WG	NS	SW8260B	Dibromofluoromethane	104	80	122
680-177221-1	OLF-G26	11/20/19	WG	NS	SW8260B	Toluene-D8	98	80	120
680-184196-1	OLF-G26	5/20/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	86	73	131
680-184196-1	OLF-G26	5/20/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	80	120
680-184196-1	OLF-G26	5/20/20	WG	NS	SW8260B	4-Bromofluorobenzene	110	80	122
680-184196-1	OLF-G26	5/20/20	WG	NS	SW8260B	4-Bromofluorobenzene	109	80	120
680-184196-1	OLF-G26	5/20/20	WG	NS	SW8260B	Dibromofluoromethane	132	73	131
680-184196-1	OLF-G26	5/20/20	WG	NS	SW8260B	Dibromofluoromethane	124	80	120
680-184196-1	OLF-G26	5/20/20	WG	NS	SW8260B	Toluene-D8	108	80	122
680-184196-1	OLF-G26	5/20/20	WG	NS	SW8260B	Toluene-D8	133	80	120
680-176985-1	OLF-G31	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	92	73	131
680-176985-1	OLF-G31	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	98	80	120
680-176985-1	OLF-G31	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	105	80	122
680-176985-1	OLF-G31	11/11/19	WG	NS	SW8260B	Toluene-D8	108	80	120
680-184196-1	OLF-G31	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	101	73	131
680-184196-1	OLF-G31	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	100	80	120
680-184196-1	OLF-G31	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	112	80	122
680-184196-1	OLF-G31	5/19/20	WG	NS	SW8260B	Toluene-D8	110	80	120
680-176985-1	OLF-G32	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	73	131
680-176985-1	OLF-G32	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	97	80	120

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
680-176985-1	OLF-G32	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	104	80	122
680-176985-1	OLF-G32	11/11/19	WG	NS	SW8260B	Toluene-D8	107	80	120
680-184196-1	OLF-G32	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	80	73	131
680-184196-1	OLF-G32	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	120	80	120
680-184196-1	OLF-G32	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	104	80	122
680-184196-1	OLF-G32	5/19/20	WG	NS	SW8260B	Toluene-D8	105	80	120
680-184196-1	OLF-G32	5/19/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	100	73	131
680-184196-1	OLF-G32	5/19/20	WG	FD	SW8260B	4-Bromofluorobenzene	101	80	120
680-184196-1	OLF-G32	5/19/20	WG	FD	SW8260B	Dibromofluoromethane	112	80	122
680-184196-1	OLF-G32	5/19/20	WG	FD	SW8260B	Toluene-D8	111	80	120
680-177221-1	OLF-G35	11/19/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	101	73	131
680-177221-1	OLF-G35	11/19/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-177221-1	OLF-G35	11/19/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-177221-1	OLF-G35	11/19/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-184447	OLF-G35	5/26/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-184447	OLF-G35	5/26/20	WG	NS	SW8260B	4-Bromofluorobenzene	103	73	131
680-184447	OLF-G35	5/26/20	WG	NS	SW8260B	Dibromofluoromethane	109	73	131
680-184447	OLF-G35	5/26/20	WG	NS	SW8260B	Toluene-D8	110	80	120
680-177221-1	OLF-G36	11/19/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	101	80	120
680-177221-1	OLF-G36	11/19/19	WG	NS	SW8260B	4-Bromofluorobenzene	93	80	120
680-177221-1	OLF-G36	11/19/19	WG	NS	SW8260B	Dibromofluoromethane	98	80	122
680-177221-1	OLF-G36	11/19/19	WG	NS	SW8260B	Toluene-D8	99	80	122
680-184447	OLF-G36	5/27/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	80	122
680-184447	OLF-G36	5/27/20	WG	NS	SW8260B	4-Bromofluorobenzene	111	80	120
680-184447	OLF-G36	5/27/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	120
680-184447	OLF-G36	5/27/20	WG	NS	SW8260B	Toluene-D8	114	80	120
680-177221-1	OLF-G42	11/20/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	104	73	131
680-177221-1	OLF-G42	11/20/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-177221-1	OLF-G42	11/20/19	WG	NS	SW8260B	Dibromofluoromethane	110	80	122
680-177221-1	OLF-G42	11/20/19	WG	NS	SW8260B	Toluene-D8	100	80	120
680-184447	OLF-G42	5/28/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	105	73	131
680-184447	OLF-G42	5/28/20	WG	NS	SW8260B	4-Bromofluorobenzene	114	80	120
680-184447	OLF-G42	5/28/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-184447	OLF-G42	5/28/20	WG	NS	SW8260B	Toluene-D8	114	80	120

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
680-177221-1	OLF-G43	11/19/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	73	131
680-177221-1	OLF-G43	11/19/19	WG	NS	SW8260B	4-Bromofluorobenzene	94	80	120
680-177221-1	OLF-G43	11/19/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-177221-1	OLF-G43	11/19/19	WG	NS	SW8260B	Toluene-D8	100	80	120
680-184196-1	OLF-G43	5/20/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	73	131
680-184196-1	OLF-G43	5/20/20	WG	NS	SW8260B	4-Bromofluorobenzene	106	80	120
680-184196-1	OLF-G43	5/20/20	WG	NS	SW8260B	Dibromofluoromethane	110	80	122
680-184196-1	OLF-G43	5/20/20	WG	NS	SW8260B	Toluene-D8	108	80	120
680-184196-1	OLF-G43	5/20/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-184196-1	OLF-G43	5/20/20	WG	FD	SW8260B	4-Bromofluorobenzene	103	80	120
680-184196-1	OLF-G43	5/20/20	WG	FD	SW8260B	Dibromofluoromethane	112	80	122
680-184196-1	OLF-G43	5/20/20	WG	FD	SW8260B	Toluene-D8	111	80	120
680-177221-1	OLF-G47	11/18/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	92	73	131
680-177221-1	OLF-G47	11/18/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	80	120
680-177221-1	OLF-G47	11/18/19	WG	NS	SW8260B	4-Bromofluorobenzene	104	80	122
680-177221-1	OLF-G47	11/18/19	WG	NS	SW8260B	4-Bromofluorobenzene	102	80	120
680-177221-1	OLF-G47	11/18/19	WG	NS	SW8260B	Dibromofluoromethane	98	73	131
680-177221-1	OLF-G47	11/18/19	WG	NS	SW8260B	Dibromofluoromethane	100	80	120
680-177221-1	OLF-G47	11/18/19	WG	NS	SW8260B	Toluene-D8	98	80	122
680-177221-1	OLF-G47	11/18/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-184447	OLF-G47	5/26/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-184447	OLF-G47	5/26/20	WG	NS	SW8260B	4-Bromofluorobenzene	104	80	120
680-184447	OLF-G47	5/26/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-184447	OLF-G47	5/26/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-177221-1	OLF-G48	11/18/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	78	73	131
680-177221-1	OLF-G48	11/18/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-177221-1	OLF-G48	11/18/19	WG	NS	SW8260B	Dibromofluoromethane	104	80	122
680-177221-1	OLF-G48	11/18/19	WG	NS	SW8260B	Toluene-D8	110	80	120
680-184447	OLF-G48	5/26/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	96	73	131
680-184447	OLF-G48	5/26/20	WG	NS	SW8260B	4-Bromofluorobenzene	105	80	120
680-184447	OLF-G48	5/26/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-184447	OLF-G48	5/26/20	WG	NS	SW8260B	Toluene-D8	110	80	120
680-176985-1	OLF-G49	11/13/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-176985-1	OLF-G49	11/13/19	WG	NS	SW8260B	4-Bromofluorobenzene	102	80	120

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
680-176985-1	OLF-G49	11/13/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-176985-1	OLF-G49	11/13/19	WG	NS	SW8260B	Toluene-D8	106	80	120
680-184196-1	OLF-G49	5/20/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-184196-1	OLF-G49	5/20/20	WG	NS	SW8260B	4-Bromofluorobenzene	103	80	120
680-184196-1	OLF-G49	5/20/20	WG	NS	SW8260B	Dibromofluoromethane	110	80	122
680-184196-1	OLF-G49	5/20/20	WG	NS	SW8260B	Toluene-D8	110	80	120
680-176985-1	OLF-G50	11/13/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-176985-1	OLF-G50	11/13/19	WG	NS	SW8260B	4-Bromofluorobenzene	102	80	120
680-176985-1	OLF-G50	11/13/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-176985-1	OLF-G50	11/13/19	WG	NS	SW8260B	Toluene-D8	107	80	120
680-184196-1	OLF-G50	5/20/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	73	131
680-184196-1	OLF-G50	5/20/20	WG	NS	SW8260B	4-Bromofluorobenzene	104	80	120
680-184196-1	OLF-G50	5/20/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-184196-1	OLF-G50	5/20/20	WG	NS	SW8260B	Toluene-D8	107	80	120
680-176985-1	OLF-G51	11/13/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	73	131
680-176985-1	OLF-G51	11/13/19	WG	NS	SW8260B	4-Bromofluorobenzene	99	80	120
680-176985-1	OLF-G51	11/13/19	WG	NS	SW8260B	Dibromofluoromethane	101	80	122
680-176985-1	OLF-G51	11/13/19	WG	NS	SW8260B	Toluene-D8	105	80	120
680-184196-1	OLF-G51	5/20/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-184196-1	OLF-G51	5/20/20	WG	NS	SW8260B	4-Bromofluorobenzene	104	80	120
680-184196-1	OLF-G51	5/20/20	WG	NS	SW8260B	Dibromofluoromethane	110	80	122
680-184196-1	OLF-G51	5/20/20	WG	NS	SW8260B	Toluene-D8	109	80	120
680-176985-1	OLF-G52	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	87	73	131
680-176985-1	OLF-G52	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	97	80	120
680-176985-1	OLF-G52	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	101	80	122
680-176985-1	OLF-G52	11/11/19	WG	NS	SW8260B	Toluene-D8	106	80	120
680-176985-1	OLF-G52	11/11/19	WG	FD	SW8260B	1,2-Dichloroethane-D4	75	73	131
680-176985-1	OLF-G52	11/11/19	WG	FD	SW8260B	4-Bromofluorobenzene	85	80	120
680-176985-1	OLF-G52	11/11/19	WG	FD	SW8260B	Dibromofluoromethane	108	80	122
680-176985-1	OLF-G52	11/11/19	WG	FD	SW8260B	Toluene-D8	115	80	120
680-184196-1	OLF-G52	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	73	131
680-184196-1	OLF-G52	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-184196-1	OLF-G52	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	122
680-184196-1	OLF-G52	5/19/20	WG	NS	SW8260B	Toluene-D8	101	80	120

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
680-177221-1	OLF-G70	11/18/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	95	73	131
680-177221-1	OLF-G70	11/18/19	WG	NS	SW8260B	4-Bromofluorobenzene	104	73	131
680-177221-1	OLF-G70	11/18/19	WG	NS	SW8260B	Dibromofluoromethane	99	73	131
680-177221-1	OLF-G70	11/18/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-177221-1	OLF-G70	11/18/19	WG	FD	SW8260B	1,2-Dichloroethane-D4	71	80	120
680-177221-1	OLF-G70	11/18/19	WG	FD	SW8260B	4-Bromofluorobenzene	86	80	120
680-177221-1	OLF-G70	11/18/19	WG	FD	SW8260B	Dibromofluoromethane	105	80	122
680-177221-1	OLF-G70	11/18/19	WG	FD	SW8260B	Toluene-D8	113	80	122
680-184196-1	OLF-G70	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	80	122
680-184196-1	OLF-G70	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	108	80	120
680-184196-1	OLF-G70	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	111	80	120
680-184196-1	OLF-G70	5/19/20	WG	NS	SW8260B	Toluene-D8	110	80	120
680-176985-1	OLF-G71-PORT1	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	73	131
680-176985-1	OLF-G71-PORT1	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	73	131
680-176985-1	OLF-G71-PORT1	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	102	73	131
680-176985-1	OLF-G71-PORT1	11/12/19	WG	NS	SW8260B	Toluene-D8	105	80	120
680-184196-1	OLF-G71-PORT1	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	80	120
680-184196-1	OLF-G71-PORT1	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-184196-1	OLF-G71-PORT1	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	122
680-184196-1	OLF-G71-PORT1	5/19/20	WG	NS	SW8260B	Toluene-D8	101	80	122
680-176985-1	OLF-G71-PORT2	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	80	122
680-176985-1	OLF-G71-PORT2	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-176985-1	OLF-G71-PORT2	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	104	80	120
680-176985-1	OLF-G71-PORT2	11/12/19	WG	NS	SW8260B	Toluene-D8	106	80	120
680-184196-1	OLF-G71-PORT2	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	73	131
680-184196-1	OLF-G71-PORT2	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-184196-1	OLF-G71-PORT2	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	104	80	122
680-184196-1	OLF-G71-PORT2	5/19/20	WG	NS	SW8260B	Toluene-D8	101	80	120
680-184196-1	OLF-G71-PORT2	5/19/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	98	73	131
680-184196-1	OLF-G71-PORT2	5/19/20	WG	FD	SW8260B	4-Bromofluorobenzene	94	80	120
680-184196-1	OLF-G71-PORT2	5/19/20	WG	FD	SW8260B	Dibromofluoromethane	103	80	122
680-184196-1	OLF-G71-PORT2	5/19/20	WG	FD	SW8260B	Toluene-D8	101	80	120
680-176985-1	OLF-G71-PORT3	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-176985-1	OLF-G71-PORT3	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120

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
680-176985-1	OLF-G71-PORT3	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	97	80	122
680-176985-1	OLF-G71-PORT3	11/12/19	WG	NS	SW8260B	Toluene-D8	92	80	120
680-184196-1	OLF-G71-PORT3	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	73	131
680-184196-1	OLF-G71-PORT3	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-184196-1	OLF-G71-PORT3	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	104	80	122
680-184196-1	OLF-G71-PORT3	5/19/20	WG	NS	SW8260B	Toluene-D8	101	80	120
680-176985-1	OLF-G71-PORT4	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	73	131
680-176985-1	OLF-G71-PORT4	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	99	80	120
680-176985-1	OLF-G71-PORT4	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	122
680-176985-1	OLF-G71-PORT4	11/12/19	WG	NS	SW8260B	Toluene-D8	94	80	120
680-184196-1	OLF-G71-PORT4	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	73	131
680-184196-1	OLF-G71-PORT4	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-184196-1	OLF-G71-PORT4	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	122
680-184196-1	OLF-G71-PORT4	5/19/20	WG	NS	SW8260B	Toluene-D8	102	80	120
680-176985-1	OLF-G71-PORT5	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	87	73	131
680-176985-1	OLF-G71-PORT5	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-176985-1	OLF-G71-PORT5	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	97	80	122
680-176985-1	OLF-G71-PORT5	11/12/19	WG	NS	SW8260B	Toluene-D8	91	80	120
680-184196-1	OLF-G71-PORT5	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	73	131
680-184196-1	OLF-G71-PORT5	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	96	80	120
680-184196-1	OLF-G71-PORT5	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	122
680-184196-1	OLF-G71-PORT5	5/19/20	WG	NS	SW8260B	Toluene-D8	101	80	120
680-176987-1	OLF-G72-PORT1	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	73	131
680-176987-1	OLF-G72-PORT1	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	92	80	120
680-176987-1	OLF-G72-PORT1	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	98	80	122
680-176987-1	OLF-G72-PORT1	11/12/19	WG	NS	SW8260B	Toluene-D8	100	80	120
680-184196-1	OLF-G72-PORT1	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	73	131
680-184196-1	OLF-G72-PORT1	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-184196-1	OLF-G72-PORT1	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	112	80	122
680-184196-1	OLF-G72-PORT1	5/19/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-176987-1	OLF-G72-PORT2	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	86	73	131
680-176987-1	OLF-G72-PORT2	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	100	80	120
680-176987-1	OLF-G72-PORT2	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	96	80	122
680-176987-1	OLF-G72-PORT2	11/12/19	WG	NS	SW8260B	Toluene-D8	92	80	120

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
680-184196-1	OLF-G72-PORT2	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-184196-1	OLF-G72-PORT2	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	104	80	120
680-184196-1	OLF-G72-PORT2	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	110	80	122
680-184196-1	OLF-G72-PORT2	5/19/20	WG	NS	SW8260B	Toluene-D8	112	80	120
680-176987-1	OLF-G72-PORT3	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	73	131
680-176987-1	OLF-G72-PORT3	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	84	80	120
680-176987-1	OLF-G72-PORT3	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	88	80	122
680-176987-1	OLF-G72-PORT3	11/12/19	WG	NS	SW8260B	Toluene-D8	94	80	120
680-184196-1	OLF-G72-PORT3	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	73	131
680-184196-1	OLF-G72-PORT3	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	102	80	120
680-184196-1	OLF-G72-PORT3	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	113	80	122
680-184196-1	OLF-G72-PORT3	5/19/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-176987-1	OLF-G72-PORT4	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	73	131
680-176987-1	OLF-G72-PORT4	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	99	80	120
680-176987-1	OLF-G72-PORT4	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	97	80	122
680-176987-1	OLF-G72-PORT4	11/12/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-184196-1	OLF-G72-PORT4	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	73	131
680-184196-1	OLF-G72-PORT4	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	103	80	120
680-184196-1	OLF-G72-PORT4	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	112	80	122
680-184196-1	OLF-G72-PORT4	5/19/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-176987-1	OLF-G72-PORT5	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	73	131
680-176987-1	OLF-G72-PORT5	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-176987-1	OLF-G72-PORT5	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	89	80	122
680-176987-1	OLF-G72-PORT5	11/12/19	WG	NS	SW8260B	Toluene-D8	99	80	120
680-184196-1	OLF-G72-PORT5	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	100	73	131
680-184196-1	OLF-G72-PORT5	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-184196-1	OLF-G72-PORT5	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	112	80	122
680-184196-1	OLF-G72-PORT5	5/19/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-176987-1	OLF-G72-PORT6	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	90	73	131
680-176987-1	OLF-G72-PORT6	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	91	80	120
680-176987-1	OLF-G72-PORT6	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	97	80	122
680-176987-1	OLF-G72-PORT6	11/12/19	WG	NS	SW8260B	Toluene-D8	95	80	120
680-184196-1	OLF-G72-PORT6	5/19/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	73	131
680-184196-1	OLF-G72-PORT6	5/19/20	WG	NS	SW8260B	4-Bromofluorobenzene	103	80	120

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
680-184196-1	OLF-G72-PORT6	5/19/20	WG	NS	SW8260B	Dibromofluoromethane	111	80	122
680-184196-1	OLF-G72-PORT6	5/19/20	WG	NS	SW8260B	Toluene-D8	110	80	120
680-176985-1	OLF-G73-PORT1	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	88	73	131
680-176985-1	OLF-G73-PORT1	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	98	80	120
680-176985-1	OLF-G73-PORT1	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	102	80	122
680-176985-1	OLF-G73-PORT1	11/11/19	WG	NS	SW8260B	Toluene-D8	106	80	120
680-184196-1	OLF-G73-PORT1	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	95	73	131
680-184196-1	OLF-G73-PORT1	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	113	80	120
680-184196-1	OLF-G73-PORT1	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	106	80	122
680-184196-1	OLF-G73-PORT1	5/18/20	WG	NS	SW8260B	Toluene-D8	108	80	120
680-184196-1	OLF-G73-PORT1	5/18/20	WG	FD	SW8260B	1,2-Dichloroethane-D4	95	73	131
680-184196-1	OLF-G73-PORT1	5/18/20	WG	FD	SW8260B	4-Bromofluorobenzene	116	80	120
680-184196-1	OLF-G73-PORT1	5/18/20	WG	FD	SW8260B	Dibromofluoromethane	109	80	122
680-184196-1	OLF-G73-PORT1	5/18/20	WG	FD	SW8260B	Toluene-D8	122	80	120
680-176985-1	OLF-G73-PORT2	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	73	131
680-176985-1	OLF-G73-PORT2	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	96	80	120
680-176985-1	OLF-G73-PORT2	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	103	80	122
680-176985-1	OLF-G73-PORT2	11/11/19	WG	NS	SW8260B	Toluene-D8	108	80	120
680-184196-1	OLF-G73-PORT2	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	104	73	131
680-184196-1	OLF-G73-PORT2	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	119	80	120
680-184196-1	OLF-G73-PORT2	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	107	80	122
680-184196-1	OLF-G73-PORT2	5/18/20	WG	NS	SW8260B	Toluene-D8	107	80	120
680-176985-1	OLF-G73-PORT3	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	73	131
680-176985-1	OLF-G73-PORT3	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	96	80	120
680-176985-1	OLF-G73-PORT3	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	103	80	122
680-176985-1	OLF-G73-PORT3	11/11/19	WG	NS	SW8260B	Toluene-D8	105	80	120
680-184196-1	OLF-G73-PORT3	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	101	73	131
680-184196-1	OLF-G73-PORT3	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	111	80	120
680-184196-1	OLF-G73-PORT3	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	110	80	122
680-184196-1	OLF-G73-PORT3	5/18/20	WG	NS	SW8260B	Toluene-D8	110	80	120
680-176985-1	OLF-G73-PORT4	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	73	131
680-176985-1	OLF-G73-PORT4	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	97	80	120
680-176985-1	OLF-G73-PORT4	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	103	80	122
680-176985-1	OLF-G73-PORT4	11/11/19	WG	NS	SW8260B	Toluene-D8	107	80	120

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
680-184196-1	OLF-G73-PORT4	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	104	73	131
680-184196-1	OLF-G73-PORT4	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	115	80	120
680-184196-1	OLF-G73-PORT4	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	112	80	122
680-184196-1	OLF-G73-PORT4	5/18/20	WG	NS	SW8260B	Toluene-D8	109	80	120
680-176985-1	OLF-G73-PORT5	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	87	73	131
680-176985-1	OLF-G73-PORT5	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	97	80	120
680-176985-1	OLF-G73-PORT5	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	103	80	122
680-176985-1	OLF-G73-PORT5	11/11/19	WG	NS	SW8260B	Toluene-D8	106	80	120
680-184196-1	OLF-G73-PORT5	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	104	73	131
680-184196-1	OLF-G73-PORT5	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	115	80	120
680-184196-1	OLF-G73-PORT5	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	111	80	122
680-184196-1	OLF-G73-PORT5	5/18/20	WG	NS	SW8260B	Toluene-D8	107	80	120
680-176987-1	OLF-G74-PORT1	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	88	73	131
680-176987-1	OLF-G74-PORT1	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-176987-1	OLF-G74-PORT1	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	103	80	122
680-176987-1	OLF-G74-PORT1	11/11/19	WG	NS	SW8260B	Toluene-D8	107	80	120
680-176987-1	OLF-G74-PORT1	11/11/19	WG	FD	SW8260B	1,2-Dichloroethane-D4	92	73	131
680-176987-1	OLF-G74-PORT1	11/11/19	WG	FD	SW8260B	4-Bromofluorobenzene	101	80	120
680-176987-1	OLF-G74-PORT1	11/11/19	WG	FD	SW8260B	Dibromofluoromethane	98	80	122
680-176987-1	OLF-G74-PORT1	11/11/19	WG	FD	SW8260B	Toluene-D8	88	80	120
680-184196-1	OLF-G74-PORT1	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-184196-1	OLF-G74-PORT1	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	116	80	120
680-184196-1	OLF-G74-PORT1	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	109	80	122
680-184196-1	OLF-G74-PORT1	5/18/20	WG	NS	SW8260B	Toluene-D8	119	80	120
680-176987-1	OLF-G74-PORT2	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	89	73	131
680-176987-1	OLF-G74-PORT2	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	95	80	120
680-176987-1	OLF-G74-PORT2	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	103	80	122
680-176987-1	OLF-G74-PORT2	11/11/19	WG	NS	SW8260B	Toluene-D8	108	80	120
680-184196-1	OLF-G74-PORT2	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	95	73	131
680-184196-1	OLF-G74-PORT2	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	113	80	120
680-184196-1	OLF-G74-PORT2	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	114	80	122
680-184196-1	OLF-G74-PORT2	5/18/20	WG	NS	SW8260B	Toluene-D8	121	80	120
680-176987-1	OLF-G74-PORT3	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	91	73	131
680-176987-1	OLF-G74-PORT3	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	93	80	120

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
680-176987-1	OLF-G74-PORT3	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	95	80	122
680-176987-1	OLF-G74-PORT3	11/11/19	WG	NS	SW8260B	Toluene-D8	100	80	120
680-184196-1	OLF-G74-PORT3	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	73	131
680-184196-1	OLF-G74-PORT3	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	118	80	120
680-184196-1	OLF-G74-PORT3	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	111	80	122
680-184196-1	OLF-G74-PORT3	5/18/20	WG	NS	SW8260B	Toluene-D8	109	80	120
680-176987-1	OLF-G74-PORT4	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	73	131
680-176987-1	OLF-G74-PORT4	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	93	80	120
680-176987-1	OLF-G74-PORT4	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	102	80	122
680-176987-1	OLF-G74-PORT4	11/11/19	WG	NS	SW8260B	Toluene-D8	105	80	120
680-184196-1	OLF-G74-PORT4	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	101	73	131
680-184196-1	OLF-G74-PORT4	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	116	80	120
680-184196-1	OLF-G74-PORT4	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	106	80	122
680-184196-1	OLF-G74-PORT4	5/18/20	WG	NS	SW8260B	Toluene-D8	108	80	120
680-176987-1	OLF-G74-PORT5	11/11/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	73	131
680-176987-1	OLF-G74-PORT5	11/11/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-176987-1	OLF-G74-PORT5	11/11/19	WG	NS	SW8260B	Dibromofluoromethane	106	80	122
680-176987-1	OLF-G74-PORT5	11/11/19	WG	NS	SW8260B	Toluene-D8	96	80	120
680-184196-1	OLF-G74-PORT5	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	101	73	131
680-184196-1	OLF-G74-PORT5	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	118	80	120
680-184196-1	OLF-G74-PORT5	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	112	80	122
680-184196-1	OLF-G74-PORT5	5/18/20	WG	NS	SW8260B	Toluene-D8	109	80	120
680-176985-1	OLF-G75-S1	11/13/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	95	73	131
680-176985-1	OLF-G75-S1	11/13/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-176985-1	OLF-G75-S1	11/13/19	WG	NS	SW8260B	Dibromofluoromethane	109	80	122
680-176985-1	OLF-G75-S1	11/13/19	WG	NS	SW8260B	Toluene-D8	110	80	120
680-184196-1	OLF-G75-S1	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	73	131
680-184196-1	OLF-G75-S1	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	116	80	120
680-184196-1	OLF-G75-S1	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	109	80	122
680-184196-1	OLF-G75-S1	5/18/20	WG	NS	SW8260B	Toluene-D8	107	80	120
680-176985-1	OLF-G75-S2	11/13/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	73	131
680-176985-1	OLF-G75-S2	11/13/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-176985-1	OLF-G75-S2	11/13/19	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-176985-1	OLF-G75-S2	11/13/19	WG	NS	SW8260B	Toluene-D8	100	80	120

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
680-184196-1	OLF-G75-S2	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	102	73	131
680-184196-1	OLF-G75-S2	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	121	80	120
680-184196-1	OLF-G75-S2	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	109	80	122
680-184196-1	OLF-G75-S2	5/18/20	WG	NS	SW8260B	Toluene-D8	108	80	120
680-176985-1	OLF-G75-S3	11/13/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-176985-1	OLF-G75-S3	11/13/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	120
680-176985-1	OLF-G75-S3	11/13/19	WG	NS	SW8260B	Dibromofluoromethane	97	80	122
680-176985-1	OLF-G75-S3	11/13/19	WG	NS	SW8260B	Toluene-D8	92	80	120
680-184196-1	OLF-G75-S3	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	73	131
680-184196-1	OLF-G75-S3	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	118	73	131
680-184196-1	OLF-G75-S3	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	110	80	120
680-184196-1	OLF-G75-S3	5/18/20	WG	NS	SW8260B	Toluene-D8	107	80	120
680-176985-1	OLF-G75-S4	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	80	122
680-176985-1	OLF-G75-S4	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	101	80	122
680-176985-1	OLF-G75-S4	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	106	80	120
680-176985-1	OLF-G75-S4	11/12/19	WG	NS	SW8260B	Toluene-D8	107	80	120
680-184196-1	OLF-G75-S4	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	96	73	131
680-184196-1	OLF-G75-S4	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	119	73	131
680-184196-1	OLF-G75-S4	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	120
680-184196-1	OLF-G75-S4	5/18/20	WG	NS	SW8260B	Toluene-D8	118	80	120
680-176985-1	OLF-G75-S5	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	80	122
680-176985-1	OLF-G75-S5	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	100	80	122
680-176985-1	OLF-G75-S5	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	99	80	120
680-176985-1	OLF-G75-S5	11/12/19	WG	NS	SW8260B	Toluene-D8	106	80	120
680-184196-1	OLF-G75-S5	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	94	73	131
680-184196-1	OLF-G75-S5	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	120	80	120
680-184196-1	OLF-G75-S5	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	110	80	122
680-184196-1	OLF-G75-S5	5/18/20	WG	NS	SW8260B	Toluene-D8	117	80	120
680-176985-1	OLF-G75-S6	11/12/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-176985-1	OLF-G75-S6	11/12/19	WG	NS	SW8260B	4-Bromofluorobenzene	102	80	120
680-176985-1	OLF-G75-S6	11/12/19	WG	NS	SW8260B	Dibromofluoromethane	98	80	122
680-176985-1	OLF-G75-S6	11/12/19	WG	NS	SW8260B	Toluene-D8	91	80	120
680-184196-1	OLF-G75-S6	5/18/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	95	73	131
680-184196-1	OLF-G75-S6	5/18/20	WG	NS	SW8260B	4-Bromofluorobenzene	119	80	120

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
680-184196-1	OLF-G75-S6	5/18/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-184196-1	OLF-G75-S6	5/18/20	WG	NS	SW8260B	Toluene-D8	117	80	120
680-177221-1	OLF-G77	11/20/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	88	73	131
680-177221-1	OLF-G77	11/20/19	WG	NS	SW8260B	4-Bromofluorobenzene	97	80	120
680-177221-1	OLF-G77	11/20/19	WG	NS	SW8260B	Dibromofluoromethane	104	80	122
680-177221-1	OLF-G77	11/20/19	WG	NS	SW8260B	Toluene-D8	98	80	120
680-177221-1	OLF-G77	11/20/19	WG	FD	SW8260B	1,2-Dichloroethane-D4	97	73	131
680-177221-1	OLF-G77	11/20/19	WG	FD	SW8260B	4-Bromofluorobenzene	103	80	120
680-177221-1	OLF-G77	11/20/19	WG	FD	SW8260B	Dibromofluoromethane	108	80	122
680-177221-1	OLF-G77	11/20/19	WG	FD	SW8260B	Toluene-D8	100	80	120
680-184447	OLF-G77	5/28/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	104	73	131
680-184447	OLF-G77	5/28/20	WG	NS	SW8260B	4-Bromofluorobenzene	109	80	120
680-184447	OLF-G77	5/28/20	WG	NS	SW8260B	Dibromofluoromethane	108	80	122
680-184447	OLF-G77	5/28/20	WG	NS	SW8260B	Toluene-D8	112	80	120
680-177221-1	OLF-G78	11/20/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	92	73	131
680-177221-1	OLF-G78	11/20/19	WG	NS	SW8260B	4-Bromofluorobenzene	98	80	120
680-177221-1	OLF-G78	11/20/19	WG	NS	SW8260B	Dibromofluoromethane	106	80	122
680-177221-1	OLF-G78	11/20/19	WG	NS	SW8260B	Toluene-D8	98	80	120
680-184447	OLF-G78	5/28/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	99	73	131
680-184447	OLF-G78	5/28/20	WG	NS	SW8260B	4-Bromofluorobenzene	110	80	120
680-184447	OLF-G78	5/28/20	WG	NS	SW8260B	Dibromofluoromethane	105	80	122
680-184447	OLF-G78	5/28/20	WG	NS	SW8260B	Toluene-D8	114	80	120
680-176985-1	PPMP-229-GP12	11/13/19	WG	NS	SW8260B	1,2-Dichloroethane-D4	108	73	131
680-176985-1	PPMP-229-GP12	11/13/19	WG	NS	SW8260B	4-Bromofluorobenzene	104	80	120
680-176985-1	PPMP-229-GP12	11/13/19	WG	NS	SW8260B	Dibromofluoromethane	114	80	122
680-176985-1	PPMP-229-GP12	11/13/19	WG	NS	SW8260B	Toluene-D8	107	80	120
680-184196-1	PPMP-229-GP12	5/20/20	WG	NS	SW8260B	1,2-Dichloroethane-D4	98	73	131
680-184196-1	PPMP-229-GP12	5/20/20	WG	NS	SW8260B	4-Bromofluorobenzene	105	80	120
680-184196-1	PPMP-229-GP12	5/20/20	WG	NS	SW8260B	Dibromofluoromethane	111	80	122
680-184196-1	PPMP-229-GP12	5/20/20	WG	NS	SW8260B	Toluene-D8	111	80	120
680-176985-1	TRIP BLANK (TB543)	11/14/19	W	TB	SW8260B	1,2-Dichloroethane-D4	87	73	131
680-176985-1	TRIP BLANK (TB543)	11/14/19	W	TB	SW8260B	4-Bromofluorobenzene	96	80	120
680-176985-1	TRIP BLANK (TB543)	11/14/19	W	TB	SW8260B	Dibromofluoromethane	102	80	122
680-176985-1	TRIP BLANK (TB543)	11/14/19	W	TB	SW8260B	Toluene-D8	105	80	120

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
680-176987-1	TRIP BLANK (TB544)	11/11/19	W	TB	SW8260B	1,2-Dichloroethane-D4	94	73	131
680-176987-1	TRIP BLANK (TB544)	11/11/19	W	TB	SW8260B	4-Bromofluorobenzene	102	80	120
680-176987-1	TRIP BLANK (TB544)	11/11/19	W	TB	SW8260B	Dibromofluoromethane	98	80	122
680-176987-1	TRIP BLANK (TB544)	11/11/19	W	TB	SW8260B	Toluene-D8	91	80	120
680-177221-1	MATERIAL BLANK (MB102)	11/20/19	W	WS	SW8260B	1,2-Dichloroethane-D4	93	73	131
680-177221-1	MATERIAL BLANK (MB102)	11/20/19	W	WS	SW8260B	4-Bromofluorobenzene	98	80	120
680-177221-1	MATERIAL BLANK (MB102)	11/20/19	W	WS	SW8260B	Dibromofluoromethane	107	80	122
680-177221-1	MATERIAL BLANK (MB102)	11/20/19	W	WS	SW8260B	Toluene-D8	99	80	120
680-177221-1	TRIP BLANK (TB545)	11/20/19	W	TB	SW8260B	1,2-Dichloroethane-D4	92	73	131
680-177221-1	TRIP BLANK (TB545)	11/20/19	W	TB	SW8260B	4-Bromofluorobenzene	96	80	120
680-177221-1	TRIP BLANK (TB545)	11/20/19	W	TB	SW8260B	Dibromofluoromethane	106	80	122
680-177221-1	TRIP BLANK (TB545)	11/20/19	W	TB	SW8260B	Toluene-D8	99	80	120
680-184196-1	TRIP BLANK (TB554)	5/21/20	W	TB	SW8260B	1,2-Dichloroethane-D4	90	73	131
680-184196-1	TRIP BLANK (TB554)	5/21/20	W	TB	SW8260B	4-Bromofluorobenzene	110	80	120
680-184196-1	TRIP BLANK (TB554)	5/21/20	W	TB	SW8260B	Dibromofluoromethane	111	80	122
680-184196-1	TRIP BLANK (TB554)	5/21/20	W	TB	SW8260B	Toluene-D8	111	80	120
680-184196-1	TRIP BLANK (TB555)	5/21/20	W	TB	SW8260B	1,2-Dichloroethane-D4	102	73	131
680-184196-1	TRIP BLANK (TB555)	5/21/20	W	TB	SW8260B	4-Bromofluorobenzene	108	80	120
680-184196-1	TRIP BLANK (TB555)	5/21/20	W	TB	SW8260B	Dibromofluoromethane	126	80	122
680-184196-1	TRIP BLANK (TB555)	5/21/20	W	TB	SW8260B	Toluene-D8	98	80	120
680-184447	MATERIAL BLANK (MB104)	5/29/20	W	WS	SW8260B	1,2-Dichloroethane-D4	92	73	129
680-184447	MATERIAL BLANK (MB104)	5/29/20	W	WS	SW8260B	4-Bromofluorobenzene	105	75	122
680-184447	MATERIAL BLANK (MB104)	5/29/20	W	WS	SW8260B	Dibromofluoromethane	106	73	131
680-184447	MATERIAL BLANK (MB104)	5/29/20	W	WS	SW8260B	Toluene-D8	108	80	120
680-184447	TRIP BLANK (TB556)	5/28/20	W	TB	SW8260B	1,2-Dichloroethane-D4	102	80	120
680-184447	TRIP BLANK (TB556)	5/28/20	W	TB	SW8260B	4-Bromofluorobenzene	111	80	120

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
680-184447	TRIP BLANK (TB556)	5/28/20	W	TB	SW8260B	Dibromofluoromethane	106	63	132
680-184447	TRIP BLANK (TB556)	5/28/20	W	TB	SW8260B	Toluene-D8	112	73	129

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
680-177221-24	MATERIAL BLANK	11/20/19	WS	SW8260B	Chloroform	0.52	J	µg/L
MB 680-598045/9	LAB QC	11/26/19	MB	SW8260B	Carbon Disulfide	1.07	J	µg/L
MB 680-598045/9	LAB QC	11/26/19	MB	SW8260B	Naphthalene	2.88	J	µg/L
MB 680-598045/9	LAB QC	11/26/19	MB	SW8260B	Trans-1,2-Dichloroethene	0.375	J	µg/L
MB 680-598603/7	LAB QC	12/1/19	MB	SW8260B	Bromomethane	2.69	J	µg/L
MB 680-620699/9	LAB QC	6/1/20	MB	SW8260B	Bromomethane	8.07		µg/L
MB 680-620893/9	LAB QC	6/2/20	MB	SW8260B	Cis-1,2-Dichloroethene	1.12		µg/L
MB 680-620985/8	LAB QC	6/3/20	MB	SW8260B	Bromomethane	4.41	J	µg/L
MB 680-621520/8	LAB QC	6/6/20	MB	SW8260B	Bromomethane	4.44	J	µg/L
MB 680-622063/8	LAB QC	6/11/20	MB	SW8260B	Acetone	89.2		µg/L
MB 680-622063/8	LAB QC	6/11/20	MB	SW8260B	Bromomethane	2.73	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	0.55	1.1	µg/L	NA	NA
WG	RSK-175	Ethene	0.5	1	µg/L	NA	NA
WG	RSK-175	Methane	0.29	0.58	µg/L	NA	NA
WG	SW6010B	Sodium	480	1000	µg/L	NA	NA
WG	SW9056	Bromide	0.2	0.5	mg/L	NA	NA
WG	SW9056	Chloride	0.2	0.5	mg/L	NA	NA
WG	SW9056	Nitrate-N (M)	0.023	0.05	mg/L	10000	NA
WG	SW9058	Sulfate	0.4	1	mg/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 3 Post Remediation

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 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-G08	OLF-G08	OLF-G20	OLF-G20	OLF-G20	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	11/14/18	5/7/19	8/10/17	11/13/17	2/20/18	5/23/18	11/13/18	5/7/19	11/20/19	5/28/20
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1,1-Trichloroethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	--	--	--	--	25	--	51	29 F1 (J)	96	67	180	--	--	--	< 1	--	< 1	1.3	< 1	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	--	< 1	--	--	< 1	< 1	--	--	--	--	--	< 1	--	--	< 1	< 1	--	--
1,1,2-Trichloroethane	--	--	--	--	0.4 J	--	0.61 J	< 1	1.2	1	2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	2.7	--	2.6	3.4	1.9	2.7	2.3
1,1-Dichloropropene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
1,2,3-Trichlorobenzene	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--
1,2,3-Trichloropropane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2,4-Trichlorobenzene	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--
1,2,4-Trimethylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
1,2-Dibromo-3-Chloropropane	--	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 F1 F2	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0
1,2-Dibromoethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichlorobenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichloroethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1	--	--	--	0.55 J	--	0.52 J	0.54 J	< 1	< 1.0	< 1.0
1,2-Dichloropropane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,3,5-Trimethylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
1,3-Dichlorobenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
1,3-Dichloropropane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
1,4-Dichlorobenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	0.32 J	--	< 1	< 1	< 1	< 1.0	< 1.0
2,2-Dichloropropane	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 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	--	< 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	--	< 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	--	--	--	< 10	--	--	< 20	< 20	< 20	< 20
Benzene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	0.66 J	--	0.52 J	0.57 J	0.46 J	0.54 J	0.54 J
Bromobenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
Bromochloromethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromodichloromethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromoform	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromomethane	--	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 * F1 F2	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	*1
Carbon Disulfide	--	--	--	--	< 1	--	< 2	< 2	< 2	< 2.0	< 2.0 F1 F2	--	--	--	< 1	--	< 2	< 2	< 2	< 2.0	< 2.0
Carbon Tetrachloride	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Chlorobenzene	--	--	--	--	0.3 J	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	2.7	--	2.1	2.2	1.5	1.8	1.8
Chloroethane	--	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 * F1 F2	--	--	--	0.57 J	--	< 5	< 5	< 5	< 5.0	< 5.0 *
Chloroform	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Chloromethane	--	--	--	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0
Cis-1,2-Dichloroethene	--	--	--	--	2.4	--	4	2.2	6.6	6.1	11	--	--	--	17	--	9.3	8.6	5.9 B	8.9	5.9

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 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-G08	OLF-G08	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20	OLF-G20
Cis-1,3-Dichloropropene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Dibromochloromethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Dibromomethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Dichlorodifluoromethane	--	--	--	--	< 2	--	< 1	< 1	< 1	--	--	--	--	--	< 2	--	< 1	< 1	< 1	--	--
Ethylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Hexachlorobutadiene	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--	--	--	--	< 1	--	< 5	< 5	< 5	--	--
Iodomethane	--	--	--	--	< 2	--	--	< 10	< 10	< 10	< 10 F2	--	--	--	< 2	--	--	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
m,p-Xylene	--	--	--	--	--	--	< 1	< 1	< 1	--	--	--	--	--	--	--	< 1	< 1	< 1	--	--
Methylene Chloride	--	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 F2	--	--	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0
MTBE	--	--	--	--	< 1	--	< 10	< 10	< 10	< 10	< 10 F2	--	--	--	< 1	--	< 10	< 10	< 10	< 10	< 10
Naphthalene	--	--	--	--	< 2	--	< 5	< 5	< 5	--	--	--	--	--	< 2	--	< 5	< 5	< 5	--	--
N-Butylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
N-Propylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
O-Xylene	--	--	--	--	--	--	< 1	< 1	< 1	--	--	--	--	--	--	--	< 1	< 1	< 1	--	--
P-Isopropyltoluene (Cymene)	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
Sec-Butylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
Styrene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Tert-Butylbenzene	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--	--	--	--	< 1	--	< 1	< 1	< 1	--	--
Tetrachloroethylene	--	--	--	--	0.32 J	--	< 1	< 1	< 1	< 1.0	0.99 J F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Toluene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,2-Dichloroethene	--	--	--	--	1.1	--	1.6	1.3	2.9	2.4	4.9	--	--	--	4.5	--	3	3	1.5	2.3	1.5
Trans-1,3-Dichloropropene	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	--	--	--	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0 F2	--	--	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0
Trichloroethene	--	--	--	--	20	--	26	19	48	34	83	--	--	--	25	--	15	16	9.2	11	7.7
Trichlorofluoromethane	--	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0
Vinyl Acetate	--	--	--	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0 F2	--	--	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0
Vinyl Chloride	--	--	--	--	< 0.8	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	7.5	--	8	10	6.5	7.8	8.4
Xylenes (Total)	--	--	--	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	--	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0
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	8.1	--	--
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	1.5	--	--
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 3 Post Remediation

Well ID	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- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2
Date	5/23/18	11/19/18	5/13/19	11/20/19	5/28/20	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18
Volatile Organic Compounds (µg/L)																		
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1.0	1.4	--	0.21 J	--	5	5.8	7.4	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	< 1.0	--	--	< 1	--	--	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	0.55 J	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,1-Dichloroethane	0.48 J	3.4	< 1	3.2	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	0.7 J	--	0.86 J	0.98 J	0.89 J	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1
1,2,3-Trichlorobenzene	< 5	< 5	< 5	--	--	--	< 1	--	< 10	< 5	< 5	< 5.0	--	--	< 1	--	< 5	< 5
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5	< 5	--	--	--	< 1	--	< 10	< 5	< 5	< 5.0	--	--	< 1	--	< 5	< 5
1,2,4-Trimethylbenzene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5.0	< 5.0 F1 F2	--	< 2	--	< 10	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5
1,2-Dibromoethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,2-Dichloroethane	< 1	1.6	< 1	1.7	< 1.0 F1	--	1	--	1.3 J	0.96 J	1	< 1.0	0.55 J	--	0.8 J	--	0.94 J	0.59 J
1,2-Dichloropropane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
1,4-Dichlorobenzene	< 1	0.77 J	< 1	0.77 J	< 1.0 F1 F2	--	0.51 J	--	< 2	0.6 J	0.66 J	< 1.0	< 1.0	--	< 1	--	< 1	< 1
2,2-Dichloropropane	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10 F1 F2	--	< 10	--	< 20	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10 F1 F2	--	< 10	--	< 20	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10
4-Chlorotoluene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10 F1 F2	--	< 10	--	< 20	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10 F1 F2	--	< 10	--	< 20	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10
Acrylonitrile	--	< 20	< 20	< 20	< 20 F1 F2	--	< 10	--	--	< 20	< 20	< 20	< 20	--	< 10	--	--	< 20
Benzene	< 1	1.7	< 1	1.3	< 1.0 F1 F2	--	1.1	--	1.1 J	0.94 J	1.1	0.49 J	0.65 J	--	0.57 J	--	0.72 J	0.6 J
Bromobenzene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1
Bromochloromethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
Bromoform	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
Bromomethane	< 5	< 5	< 5	< 5.0	< 5.0 * F1 F2	--	< 2	--	< 10	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5
Carbon Disulfide	< 2	< 2	< 2	< 2.0	< 2.0 F1 F2	--	< 1	--	< 4	< 2	< 2	< 2.0	< 2.0	--	< 1	--	< 2	< 2
Carbon Tetrachloride	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
Chlorobenzene	< 1	0.51 J	< 1	0.58 J	< 1.0 F1 F2	--	4.9	--	5.4	5.5	5.8	1.4	1.6	--	2.1	--	2.8	2.3
Chloroethane	< 5	< 5	< 5	< 5.0	< 5.0 * F1 F2	--	0.94 J	--	< 10	< 5	4.3 J	< 5.0	< 5.0	--	0.75 J	--	< 5	< 5
Chloroform	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1
Chloromethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 2	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 1	< 1
Cis-1,2-Dichloroethene	1	13	2.8	18	3	--	140	--	130	110	120	39	43	--	49	--	60	44

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation																			
Well ID	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-PORT2	OLF-G71-PORT2	OLF-G71-PORT2	OLF-G71-PORT2	OLF-G71-PORT2	OLF-G71-PORT2	OLF-G71-PORT2	OLF-G71-PORT2
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1
Dibromomethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	< 1	--	--	--	< 2	--	< 2	< 1	< 1	< 1.0	--	--	< 2	--	< 1	< 1	< 1
Ethylbenzene	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	< 5	--	--	--	< 1	--	< 10	< 5	< 5	< 5.0	--	--	< 1	--	< 5	< 5	< 5
Iodomethane	--	< 10	< 10	< 10	< 10 F1 F2	--	< 2	--	--	< 10	< 10	< 10	< 10	--	< 2	--	--	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1
m,p-Xylene	< 1	< 1	< 1	--	--	--	--	--	< 2	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1
Methylene Chloride	< 5	< 5	< 5	< 5.0	< 5.0 F1 F2	--	< 2	--	< 10	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5
MTBE	< 10	< 10	< 10	< 10	< 10 F1 F2	--	< 1	--	< 20	< 10	< 10	< 10	< 10	--	< 1	--	< 10	< 10	< 10
Naphthalene	< 5	< 5	< 5	--	--	--	< 2	--	< 10	< 5	< 5	< 5.0	--	--	< 2	--	< 5	< 5	< 5
N-Butylbenzene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1
N-Propylbenzene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1
O-Xylene	< 1	< 1	< 1	--	--	--	--	--	< 2	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1
Sec-Butylbenzene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1
Styrene	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1	--	--	--	< 1	--	< 2	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1
Toluene	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	1.5	--	1 J	0.59 J	0.61 J	1	2.4	--	5.3	--	2.1	1.6	1.6
Trans-1,2-Dichloroethene	0.75 J	4.9	0.64 J	5.2	0.50 J F1 F2	--	14	--	19	17 B (B)	17	2.8	3.3	--	4.2	--	5.4	4.1	4.1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	--	< 2	< 2	< 2.0	< 2.0 F1 F2	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	--	< 2	--	--	< 2	< 2
Trichloroethene	0.55 J	0.82 J	11	0.69 J	9.3	--	15	--	47	47	83	5.3	3.4	--	12	--	9.7	11	11
Trichlorofluoromethane	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 1	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2.0	< 2.0 F2	--	< 2	--	< 4	< 2	< 2	< 2.0	< 2.0	--	< 2	--	< 2	< 2	< 2
Vinyl Chloride	1.9	29	1.4	27	1.8	--	4.8	--	6.9	6.7	6.2	1.9	2.5	--	2	--	2.8	2.4	2.4
Xylenes (Total)	< 1	< 1	< 1	< 1.0	< 1.0 F1 F2	--	< 3	--	< 2	< 1	< 1	< 1.0	< 1.0	--	< 3	--	< 1	< 1	< 1
Dissolved Gases (µg/L)																			
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																			
Sodium	--	--	--	--	--	84.9	80.1	80.4	85	83	77	--	--	25.2	26.4	31.4	36	38	38
Iron (Ferrous)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)	--					--	--	--	--					--	--	--	--		
Bromide	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	0.76 J	--	--
Chloride-Cl	--	--	--	--	--	--	--	--	69	--	--	--	--	--	--	--	41	--	--
Fluoride	--	--	--	--	--	--	--	--	0.21	--	--	--	--	--	--	--	0.24	--	--
Nitrate-N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	--	--	--	--	--	2.33	3.76	4.32	7.9	4.8	5.1	--	--	6.16	6.16	6.71	9.5	7.3	7.3
TOC	< 1	--	--	--	--	--	2.06	--	2.2	--	--	--	--	--	3.61	--	3.5	--	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4
Date	5/6/19	11/12/19	5/19/20	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	8/15/17	11/7/17	2/14/18	5/16/18
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,1,1-Trichloroethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1.0	< 1.0	--	1.4	--	1.1	0.88 J	0.73 J	< 1.0	< 1.0	--	1.9	--	1.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1.0		--	< 1	--	--	< 1	< 1	< 1.0	--	--	< 1	--	--
1,1,2-Trichloroethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	0.25 J	--	< 1
1,1-Dichloroethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,1-Dichloroethene	< 1	< 1.0	< 1.0	--	0.36 J	--	0.42 J	0.36 J	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,1-Dichloropropene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
1,2,3-Trichlorobenzene	< 5	< 5.0		--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 1	--	< 5
1,2,3-Trichloropropane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,2,4-Trichlorobenzene	< 5	< 5.0		--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 1	--	< 5
1,2,4-Trimethylbenzene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5
1,2-Dibromoethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,2-Dichlorobenzene	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,2-Dichloroethane	0.66 J	< 1.0	0.55 J	--	0.77 J	--	0.78 J	0.69 J	0.64 J	0.50 J	0.72 J	--	0.64 J	--	0.62 J
1,2-Dichloropropane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,3,5-Trimethylbenzene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
1,3-Dichlorobenzene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
1,3-Dichloropropane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
1,4-Dichlorobenzene	< 1	< 1.0	< 1.0	--	0.37 J	--	0.48 J	0.56 J	< 1	< 1.0	< 1.0	--	< 1	--	< 1
2,2-Dichloropropane	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
2-Butanone (MEK)	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10
2-Chlorotoluene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
2-Hexanone	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10
4-Chlorotoluene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10
Acetone	7 J	< 10	< 10	--	6.2 J (UB)	--	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10
Acrylonitrile	< 20	< 20	< 20	--	< 10	--	--	< 20	< 20	< 20	< 20	--	< 10	--	--
Benzene	0.67 J	0.49 J	0.65 J	--	0.79 J	--	0.78 J	0.73 J	0.67 J	0.46 J	0.79 J	--	0.71 J	--	0.62 J
Bromobenzene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
Bromochloromethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Bromodichloromethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Bromoform	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Bromomethane	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5
Carbon Disulfide	< 2	< 2.0	< 2.0	--	< 1	--	< 2	< 2	< 2	< 2.0	< 2.0	--	< 1	--	< 2
Carbon Tetrachloride	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Chlorobenzene	2.5	1.4	1.6	--	3.3	--	3.5	3.1	2.7	1.7	2.6	--	2.6	--	2.7
Chloroethane	< 5	< 5.0	< 5.0	--	0.85 J	--	< 5	< 5	3.2 J	< 5.0	< 5.0	--	0.53 J	--	< 5
Chloroform	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Chloromethane	< 1	< 1.0	< 1.0	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 1
Cis-1,2-Dichloroethene	47	39	43	--	53	--	48	31	27	21	29	--	32	--	34

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT2	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT3	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4
Cis-1,3-Dichloropropene	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Dibromochloromethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Dibromomethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Dichlorodifluoromethane	< 1	< 1.0		--	< 2	--	< 1	< 1	< 1	< 1.0	--	--	< 2	--	< 1
Ethylbenzene	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Hexachlorobutadiene	< 5	< 5.0		--	< 1	--	< 5	< 5	< 5	< 5.0	--	--	< 1	--	< 5
Iodomethane	< 10	< 10	< 10	--	< 2	--	--	< 10	< 10	< 10	< 10	--	< 2	--	--
Isopropyl Benzene (Cumene)	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
m,p-Xylene	< 1	< 1.0		--	--	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1
Methylene Chloride	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5
MTBE	< 10	< 10	< 10	--	< 1	--	< 10	< 10	< 10	< 10	< 10	--	< 1	--	< 10
Naphthalene	< 5	< 5.0		--	< 2	--	< 5	< 5	< 5	< 5.0	--	--	< 2	--	< 5
N-Butylbenzene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
N-Propylbenzene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
O-Xylene	< 1	< 1.0		--	--	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
Sec-Butylbenzene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
Styrene	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Tert-Butylbenzene	< 1	< 1.0		--	< 1	--	< 1	< 1	< 1	< 1.0	--	--	< 1	--	< 1
Tetrachloroethylene	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Toluene	1.3	1	2.4	--	1.2	--	< 1	< 1	< 1	< 1.0	0.64 J	--	11	--	3.6
Trans-1,2-Dichloroethene	4.2	2.8	3.3	--	7.9	--	7.4	6.1 B (B)	5.1	3.5	5.2	--	2.4	--	2.4
Trans-1,3-Dichloropropene	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2.0	< 2.0	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	--	< 2	--	--
Trichloroethene	10	5.3	3.4	--	47	--	58	54	52	33	49	--	23	--	25
Trichlorofluoromethane	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1
Vinyl Acetate	< 2	< 2.0	< 2.0	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	--	< 2	--	< 2
Vinyl Chloride	2.3	1.9	2.5	--	3.8	--	3.8	4.3	3.6	2.6	4.5	--	1.7	--	1.7
Xylenes (Total)	< 1	< 1.0	< 1.0	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 3	--	< 1
Dissolved Gases (µg/L)															
Ethane	--			--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--			--	--	--	--	--	--	--	--	--	--	--	--
Methane	--			--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)															
Sodium	35			16.9	17.6	17.1	14	14	15	--	--	17.2	17.6	17.7	15
Iron (Ferrous)	--			--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)				--	--	--	--					--	--	--	--
Bromide	--			--	--	--	0.89 J	--	--	--	--	--	--	--	0.53 J
Chloride-Cl	--			--	--	--	55	--	--	--	--	--	--	--	32
Fluoride	--			--	--	--	0.19 J	--	--	--	--	--	--	--	0.27
Nitrate-N	--			--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	7.1			1.44	1.74	1.72	4.1	2.2	1.4	--	--	0.331 J	0.738	0.429 J	< 2
TOC	--			--	1.62	--	1.6	--	--	--	--	--	2.04	--	2.2

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	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
Date	11/14/18	5/6/19	11/12/19	5/19/20	8/15/17	11/7/17	2/14/18	5/16/18	11/14/18	5/6/19	11/12/19	5/19/20	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	
Volatile Organic Compounds (µg/L)																			
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,1-Trichloroethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	
1,1,2,2-Tetrachloroethane	0.73 J	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	160	55	0.99 J	< 1	< 1	< 1 (UJ)	
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	< 1.0	--	--	< 1	--	--	< 1	< 1	< 1.0	--	< 1	< 1	< 1	--	< 1	< 1	
1,1,2-Trichloroethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	26	19	3.6	< 1	< 1	< 1 (UJ)	
1,1-Dichloroethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	
1,1-Dichloroethene	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	3.5	0.67 J	< 1	< 1	< 1	< 1	
1,1-Dichloropropene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	
1,2,3-Trichlorobenzene	< 5	< 5	< 5.0	--	--	< 1	--	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5 (UJ)	
1,2,3-Trichloropropane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	
1,2,4-Trichlorobenzene	< 5	< 5	< 5.0	--	--	< 1	--	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5 (UJ)	
1,2,4-Trimethylbenzene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5 (UJ)	
1,2-Dibromoethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	
1,2-Dichlorobenzene	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	
1,2-Dichloroethane	0.56 J	< 1	< 1.0	< 1.0	--	1	--	0.63 J	0.57 J	0.58 J	< 1.0	< 1.0	3.2	7.6	17	11	6.8 F1	5.5 F1 (J)	
1,2-Dichloropropane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	
1,3,5-Trimethylbenzene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	
1,3-Dichlorobenzene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	
1,3-Dichloropropane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	
1,4-Dichlorobenzene	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	0.52 J	0.32 J	0.41 J	0.47 J	0.79 J F1	< 0.96 (UB)	
2,2-Dichloropropane	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	
2-Butanone (MEK)	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	85	110	98	47	< 10	16 F2 F1 (J)	
2-Chlorotoluene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	
2-Hexanone	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	3.6 J	2.1 J	< 10	< 10 (UJ)	
4-Chlorotoluene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	
Acetone	< 10	< 10	< 10	< 10	--	< 10	--	7.1 J	< 10	< 10	< 10	< 10	16 (UB)	13	15	8.9 J	< 10	7.6 J F2 F1 (J)	
Acrylonitrile	< 20	< 20	< 20	< 20	--	< 10	--	--	< 20	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20	< 20 (UJ)	
Benzene	0.52 J	0.44 J	< 1.0	0.48 J	--	1.1	--	0.62 J	1.1	0.92 J	0.74 J	1.1	0.87 J	0.7 J	1	1.1	1.2 F1	1.2	
Bromobenzene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	
Bromochloromethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	
Bromodichloromethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	
Bromoform	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	
Bromomethane	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	
Carbon Disulfide	< 2	< 2	< 2.0	< 2.0	--	0.24 J	--	< 2	< 2	< 2	< 2.0	< 2.0	< 1	< 1	< 1	< 2	< 2	< 1.5 (UB)	
Carbon Tetrachloride	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	
Chlorobenzene	2.7	2.3	1.1	1.7	--	1.4	--	0.6 J	0.99 J	1.2	0.63 J	< 1.0	44	29	35	34	55 F1	51 F1	
Chloroethane	< 5	< 5	< 5.0	< 5.0	--	0.74 J	--	< 5	< 5	2.5 J	< 5.0	< 5.0	0.37 J	0.38 J	0.86 J	< 5	< 5	< 5	
Chloroform	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	
Chloromethane	< 1	< 1	< 1.0	< 1.0	--	0.38 J	--	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	
Cis-1,2-Dichloroethene	27	26	17	26	--	14	--	6.7	6.3	9	5.6	6.7	460	130	6.8	2.2	0.85 J F1	0.62 J	

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	OLF-G71- PORT4	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
Cis-1,3-Dichloropropene	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)
Dibromochloromethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)
Dibromomethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)
Dichlorodifluoromethane	< 1	< 1	< 1.0	--	--	< 2	--	< 1	< 1	< 1	< 1.0	--	< 2	< 2	< 2	< 2	< 1	< 1	< 1
Ethylbenzene	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5	< 5.0	--	--	< 1	--	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5
Iodomethane	< 10	< 10	< 10	< 10	--	< 2	--	--	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
m,p-Xylene	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1
Methylene Chloride	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	1.6 J	1.5 J	1.2 J	< 5	< 5	< 5 (UJ)	< 5 (UJ)
MTBE	< 10	< 10	< 10	< 10	--	< 1	--	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10 (UJ)	< 10 (UJ)
Naphthalene	< 5	< 5	< 5.0	--	--	< 2	--	< 5	< 5	< 5	< 5.0	--	< 2	< 2	< 2	< 5	< 5	< 5 (UJ)	< 5 (UJ)
N-Butylbenzene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
N-Propylbenzene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
O-Xylene	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Styrene	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1.0	--	--	< 1	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	0.98 J	0.56 J	0.55 J	< 1	< 1	< 1	< 1
Toluene	2.2	1.8	1	1.6	--	20	--	2.4	3.2	3.3	1.6	2.4	2	1.8	1.7	1.2	0.69 J F1	0.57 J	0.57 J
Trans-1,2-Dichloroethene	2.3 B (B)	1.6	0.74 J	1.4	--	0.53 J	--	< 1	< 1	0.48 J	< 1.0	< 1.0	46	32	62	18	2.1 F1	1.3 B (UB)	1.3 B (UB)
Trans-1,3-Dichloropropene	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1 (UJ)	< 1 (UJ)
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2.0	< 2.0	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	--	< 2	< 2 (UJ)
Trichloroethene	24	22	3.2	8.2	--	0.97 J	--	< 1	< 1	1.3	< 1.0	< 1.0	11	4.6	0.75 J	< 1	< 1	< 1	< 1
Trichlorofluoromethane	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2.0	< 2.0	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2 (UJ)
Vinyl Chloride	2.2	1.6	0.90 J	1.7	--	0.71 J	--	< 1	< 1	0.5 J	< 1.0	< 1.0	25	26	1.9	0.52 J	< 1	< 1	< 1
Xylenes (Total)	< 1	< 1	< 1.0	< 1.0	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1	< 1	< 1
Dissolved Gases (µg/L)																			
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	5.7	5.3	7.9	15	26	19	19
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	7.5	56	120	190	250	190	190
Methane	--	--	--	--	--	--	--	--	--	--	--	--	250	5300	8100	32000	27000	31000	31000
Metals (mg/L)																			
Sodium	12	13	--	--	22.7	29.6	28.4	22	23	25	--	--	30	39	40.1	34	25	24	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	< 1	< 1	--	--	< 0.5	0.583	0.272 J	< 2	< 1	< 1	--	--	0.613	0.357 J	0.627	< 2	< 1	< 1 (UJ)	< 1 (UJ)
TOC	--	--	--	--	--	9.57	--	10	--	--	--	--	232	322	224	190	97	79	79

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G72- PORT1	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- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3
Date	11/12/19	5/19/20	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	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	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1.0	< 1.0 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1.0	< 1.0 F2	110	52	15 (J)	5.1	< 5	0.76 J	< 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	< 1	< 1	--	< 1
1,1,2-Trichloroethane	< 1.0	< 1.0 F1 F2	18	7.2	3.8 (J)	< 5	< 5	< 1	< 1.0	< 1.0	27	12	0.87 J	0.5 J	< 1
1,1-Dichloroethane	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1.0	< 1.0 F2	3	2.4	2 (J)	< 5	< 5	< 1	< 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	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5.0	--	< 1	< 1	< 1 (UJ)	< 25	< 25	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5
1,2,3-Trichloropropane	< 1.0	< 1.0 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5.0	--	< 1	< 1	< 1 (UJ)	< 25	< 25	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5
1,2,4-Trimethylbenzene	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5.0	< 5.0 F2	< 2	< 2	< 2 (UJ)	< 25	< 25	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5
1,2-Dibromoethane	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,2-Dichloroethane	5.6	6.8	3	14	28 (J)	19	7.9	3.7	3.2	2.5	3.9	4.1	3.5	2.3	1.9
1,2-Dichloropropane	< 1.0	< 1.0 F1 F2	< 1	0.21 J	< 1 (UJ)	< 5	< 5	< 1	< 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	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1.0	< 1.0 F1 F2	0.23 J	0.27 J	0.38 J (J)	< 5	< 5	< 0.8 (UB)	< 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	< 1	< 1	< 1	< 1
2-Butanone (MEK)	10	< 10 F1 F2	17	< 10	32 (J)	26 J	33 J	35	11	< 10	< 10	< 10	< 10	3.9 J	< 10
2-Chlorotoluene	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10 F1 F2	< 10	< 10	< 10 (UJ)	< 50	< 50	2.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10 F1 F2	< 10	< 10	< 10 (UJ)	< 50	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	22	7.8 J F2	< 10	10 (UB)	15 (UB UJ)	< 50	< 50	12	< 10	13	< 10	< 10	< 10	< 10	18
Acrylonitrile	< 20	< 20 F1 F2	< 10	< 10	< 10 (UJ)	--	< 100	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20
Benzene	0.81 J	0.92 J F2	1.2	1.6	2.1 (J)	< 5	< 5	1.7	1	1.5	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	< 1	< 1	< 1	< 1
Bromochloromethane	< 1.0	< 1.0 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromoform	< 1.0	< 1.0 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Bromomethane	< 5.0 F2	< 5.0 * F1 F2	< 2	< 2	< 2 (J)	< 25	< 25	< 5	< 5.0	< 5.0 *	< 2	< 2	< 2	< 5	< 5
Carbon Disulfide	< 2.0	< 2.0 F2	< 1	< 1	0.21 J (J)	< 10	< 10	< 1.2 (UB)	< 2.0	< 2.0	< 1	< 1	0.31 J	< 2	< 2
Carbon Tetrachloride	< 1.0	< 1.0 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Chlorobenzene	39	40	19	20	32 (J)	35	36	36	17	31	35	28	28	23	16
Chloroethane	2.5 J	3.7 J F2	< 2	0.62 J	4.3 (J)	< 25	< 25	7.2	5.8	5	0.65 J	0.42 J	0.65 J	< 5	< 5
Chloroform	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Chloromethane	< 1.0	< 1.0 F1 F2	< 2	< 2	< 2 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1
Cis-1,2-Dichloroethene	0.52 J	0.61 J F1 F2	370	430	450 (J)	410	110	26	4.4	3.7	290	320	63	21	1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G72- PORT1	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- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3	OLF-G72- PORT3
Cis-1,3-Dichloropropene	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1.0	< 1.0 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Dibromomethane	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1.0	--	< 2	< 2	< 2 (UJ)	< 5	< 5	< 1	< 1.0	--	< 2	< 2	< 2	< 2	< 1
Ethylbenzene	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5.0	--	< 1	< 1	< 1 (UJ)	< 25	< 25	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5
Iodomethane	< 10	< 10 F2	< 2	< 2	< 2 (UJ)	--	< 50	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10
Isopropyl Benzene (Cumene)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
m,p-Xylene	< 1.0	--	--	--	--	< 5	< 5	< 1	< 1.0	--	--	--	--	< 1	< 1
Methylene Chloride	< 5.0	< 5.0 F1 F2	1.2 J	0.9 J	0.64 J (J)	< 25	< 25	< 5	< 5.0	< 5.0	0.89 J	0.75 J	0.5 J	< 5	< 5
MTBE	< 10	< 10 F1 F2	< 1	< 1	< 1 (UJ)	< 50	< 50	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10
Naphthalene	< 5.0	--	< 2	< 2	< 2 (UJ)	< 25	< 25	< 5	< 5.0	--	< 2	< 2	< 2	< 5	< 5
N-Butylbenzene	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
N-Propylbenzene	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
O-Xylene	< 1.0	--	--	--	--	< 5	< 5	< 1	< 1.0	--	--	--	--	< 1	< 1
P-Isopropyltoluene (Cymene)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
Styrene	< 1.0	< 1.0 F1 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1.0	--	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1.0	< 1.0 F2	0.74 J	0.41 J	0.27 J (J)	< 5	< 5	< 1	< 1.0	< 1.0	0.63 J	0.33 J	< 1	< 1	< 1
Toluene	3	6.7	5.9	9.2	8.3(J)	9.9	10	6.4	6.5	7.9	12	12	9.5	9	3.6
Trans-1,2-Dichloroethene	0.82 J	0.81 J F1 F2	37	31	29 (J)	27	20	16 B (B)	5.6	4	29	25	27	27	17
Trans-1,3-Dichloropropene	< 1.0	< 1.0 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2.0 F2	< 2	< 2	< 2 (UJ)	--	< 10	< 2	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2
Trichloroethene	< 1.0	< 1.0 F1 F2	51	28	12 (J)	6.6	3.2 J	1.7	0.61 J	1.9	49	28	12	19	0.95 J
Trichlorofluoromethane	< 1.0	< 1.0 F2	< 1	< 1	< 1 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2.0	< 2.0 F2	< 2	< 2	< 2 (UJ)	< 10	< 10	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2
Vinyl Chloride	0.81 J	< 1.0 F2	35	18	23 (J)	18	13	4.4	1	< 1.0	22	16	15	6.1	< 1
Xylenes (Total)	< 1.0	< 1.0 F1 F2	< 3	< 3	< 3 (UJ)	< 5	< 5	< 1	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1
Dissolved Gases (µg/L)															
Ethane	25	20	4.8	2.7	1.7	1.9	< 1.1	5.1	1.9	1.5	6.7	7.3	7.2	11	31
Ethene	180	47	5.8	4.6	5.7	17	30	50	13	4.3	6.4	7.1	54	88	33
Methane	36000	24000	270	12000	9900	21000	21000	21000	19000	10000	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	27	16	240	270	166	180	160	170	67	88	20	10	6.31	6.5	2

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	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- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5
Date	5/2/19	11/12/19	5/19/20	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	8/15/17	11/8/17	2/22/18	5/17/18
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1.0	< 1.0	100	38	12	2.3	< 1	< 1	< 1.0	< 1.0	6.8	1.2	0.28 J	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1.0	--	< 1	< 1	< 1	--	< 1	< 1	< 1.0	--	< 1	< 1	< 1	--
1,1,2-Trichloroethane	< 1	< 1.0	< 1.0	40	19	5.3	< 1	< 1	< 1	< 1.0	< 1.0	5.6	3.5	0.49 J	0.34 J
1,1-Dichloroethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1.0 *	< 1.0	1.7	0.92 J	0.42 J	< 1	< 1	< 1	< 1.0 *	< 1.0	0.41 J	0.35 J	0.34 J	< 1
1,1-Dichloropropene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5
1,2,3-Trichloropropane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5
1,2,4-Trimethylbenzene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5
1,2-Dibromoethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,2-Dichloroethane	1.5	1.2	1.8	4.5	10	20	9.7	5.3	0.69 J	1.5	1.7	1.4	2.9	3.2	1.8
1,2-Dichloropropane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
1,4-Dichlorobenzene	< 0.67 (UB)	< 1.0	< 1.0	< 1	< 1	0.26 J	< 1	< 1	< 0.56 (UB)	< 1.0	< 1.0	< 1	< 1	< 1	< 1
2,2-Dichloropropane	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	140	63	26	13	14	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	2.4 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	15 (UB)	330	290	140	260	29	10	23	< 10	7.4 J (UB)	16	< 10
Acrylonitrile	< 20	< 20 *	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20 *	< 20	< 10	< 10	< 10	--
Benzene	0.77 J	0.68 J	0.84 J	0.76 J	0.7 J	0.84 J	0.78 J	0.63 J	0.45 J	0.44 J	< 1.0	< 1	< 1	< 1	< 1
Bromobenzene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
Bromochloromethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromoform	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Bromomethane	< 5	< 5.0	< 5.0 *	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *	< 2	< 2	< 2	< 5
Carbon Disulfide	< 1.1 (UB)	< 2.0 *	< 2.0	1.4	0.27 J	0.43 J	< 2	< 2	< 1.2 (UB)	< 2.0 *	< 2.0	< 1	< 1	< 1	< 2
Carbon Tetrachloride	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Chlorobenzene	16	12	13	15	18	24	25	15	16	9.5	6.5	3.1	3.2	3.5	1.8
Chloroethane	3.3 J	2.7 J	< 5.0	0.54 J	0.52 J	2.8	5.7 *	7.3	< 5	2.5 J	< 5.0	< 2	< 2	0.35 J	< 5
Chloroform	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Chloromethane	< 1	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 2	< 2	< 1
Cis-1,2-Dichloroethene	5.3	1.5	0.55 J	220	180	140	65	16	1.2	0.80 J	1.3	98	91	92	65

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	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- PORT5	OLF-G72- PORT5	OLF-G72- PORT5	OLF-G72- PORT5
Cis-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Dibromochloromethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Dibromomethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Dichlorodifluoromethane	< 1	< 1.0	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	--	< 2	< 2	< 2	< 1
Ethylbenzene	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5
Iodomethane	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--
Isopropyl Benzene (Cumene)	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
m,p-Xylene	< 1	< 1.0	--	--	--	--	< 1	< 1	0.43 J	< 1.0	--	--	--	--	< 1
Methylene Chloride	< 5	< 5.0	< 5.0	1.8 J	1.1 J	< 2	< 5	< 5	< 5	< 5.0	< 5.0	0.52 J	< 2	< 2	< 5
MTBE	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10
Naphthalene	< 5	< 5.0	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	--	< 2	< 2	< 2	< 5
N-Butylbenzene	< 0.52 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
N-Propylbenzene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
O-Xylene	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1
P-Isopropyltoluene (Cymene)	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
Sec-Butylbenzene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
Styrene	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Tert-Butylbenzene	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1
Tetrachloroethylene	< 1	< 1.0	< 1.0	0.58 J	0.74 J	0.43 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Toluene	1.4	2.3	7.6	7.5	9.2	12	16	18	7.3	8.2	8.1	13	15	7.8	0.92 J
Trans-1,2-Dichloroethene	11 B (B)	8.6	2.9	18	12	14	13	5	3.3 B (UB)	2.2	1.5	5.1	4	4	3.2
Trans-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	--
Trichloroethene	17	7.8	< 1.0	100	70	28	10	1.9	1.5	< 1.0	< 1.0	12	2.6	6.2	9.9
Trichlorofluoromethane	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1
Vinyl Acetate	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2
Vinyl Chloride	1.9	0.73 J	0.67 J	22	13	12	5.9	2.4	0.58 J	< 1.0	1.4	2.3	2	2.5	1.3
Xylenes (Total)	< 1	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1	0.43 J	< 1.0	< 1.0	< 3	< 3	< 3	< 1
Dissolved Gases (µg/L)															
Ethane	26	28	47	5.7	3.6	0.94 J	1.2	1.4	3.5	1.4	2	1.2 J	1.4 J	0.75 J	1.3
Ethene	23	22	14	6.6	4	13	22	10	7.5	< 1.0	2.4	2.5	3.6	2	6.7
Methane	16000	14000	15000	240	11000	7300	19000	20000	20000	21000	18000	160	4400	13000	23000
Metals (mg/L)															
Sodium	22	--	--	52.7	80.8	60.9	60	57	36	--	--	37.2	41.7	38	27
Iron (Ferrous)	--	--	--	--	4	5.7	2.5	--	--	--	--	--	2.5	1.6	1.5
General Chemistry (mg/L)				--	--	--	--					--	--	--	--
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	32.1	39.8	37.1	31	--	--	--	--	14.6	15.3	20.8	9.7
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	< 0.1	0.163	< 0.1	< 0.05	--	--	--	--	< 0.1	< 0.1	< 0.1	< 0.05
Sulfate	2.6	--	--	0.759	0.601	0.719	< 1	< 1	< 1	--	--	1.06	1.26	0.69	4.9
TOC	1.8	2.4	4.7	630	609	179	160	51	26	19	13	7.26	22.8	3.46	1.1

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	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	OLF-G72- PORT6	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1
Date	11/13/18	5/2/19	11/12/19	5/19/20	8/15/17	11/8/17	2/22/18	5/17/18	11/13/18	5/2/19	11/12/19	5/19/20	8/14/17	11/8/17	2/20/18
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1.0	< 1.0	8.3	3.4	2.1	0.75 J	< 1	< 1	< 1.0	< 1.0	110	6.5	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	< 1.0	--	< 1	< 1	< 1	--	< 1	< 1	< 1.0	--	< 1	< 1	< 1
1,1,2-Trichloroethane	0.33 J	0.48 J	< 1.0	< 1.0	1.7	1.1	0.9 J	0.68 J	0.69 J	0.47 J	0.47 J	< 1.0	19	5.1	< 1
1,1-Dichloroethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,1-Dichloroethene	< 1	< 1	< 1.0 *	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0 *	< 1.0	< 1	< 1	< 1
1,1-Dichloropropene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1
1,2,3-Trichlorobenzene	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1
1,2,3-Trichloropropane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,2,4-Trichlorobenzene	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2
1,2-Dibromoethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,2-Dichloroethane	2.2	0.61 J	0.90 J	< 1.0	0.33 J	0.7 J	0.48 J	< 1	0.54 J	< 1	< 1.0	< 1.0	1.4	1.9	1.3
1,2-Dichloropropane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1
1,3-Dichloropropane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	0.39 J	0.41 J	0.53 J
2,2-Dichloropropane	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	4.1 J	4.2 J
2-Chlorotoluene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	21	< 10	< 10	5.4 J (UB)	< 10
Acrylonitrile	< 20	< 20	< 20 *	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20 *	< 20	< 10	< 10	< 10
Benzene	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	0.65 J	0.69 J	0.87 J
Bromobenzene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1
Bromochloromethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Bromodichloromethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Bromoform	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Bromomethane	< 5	< 5	< 5.0	< 5.0 *	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *	< 2	< 2	< 2
Carbon Disulfide	< 2	< 2	< 2.0 *	< 2.0	< 1	< 1	< 1	< 2	< 2	< 2	< 2.0 *	< 2.0	< 1	< 1	< 1
Carbon Tetrachloride	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Chlorobenzene	1.7	1.5	1.1	1.2	1.2	0.87 J	0.88 J	0.65 J	0.8 J	0.71 J	0.66 J	0.27 J	17	19	23
Chloroethane	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2
Chloroform	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Chloromethane	< 1	< 1	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 2	< 2
Cis-1,2-Dichloroethene	46	6.7	7.8	7.9	21	24	24	10	19	5.8	9.2	2.5	31	3.3	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	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	OLF-G72- PORT6	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1
Cis-1,3-Dichloropropene	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1
Dibromochloromethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1
Dibromomethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1
Dichlorodifluoromethane	< 1	< 1	< 1.0	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1	< 1.0	--	0.48 J	0.37 J
Ethylbenzene	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1
Hexachlorobutadiene	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5	< 5.0	--	< 1	< 1
Iodomethane	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 2	< 2
Isopropyl Benzene (Cumene)	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1
m,p-Xylene	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	--	--
Methylene Chloride	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5.0	< 5.0	0.78 J	0.8 J
MTBE	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1
Naphthalene	< 5	< 5	< 5.0	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5	< 5.0	--	< 2	< 2
N-Butylbenzene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1
N-Propylbenzene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1
O-Xylene	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1
Sec-Butylbenzene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1
Styrene	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1
Tert-Butylbenzene	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1
Tetrachloroethylene	< 1	< 1	< 1.0	< 1.0	0.38 J	0.26 J	0.26 J	< 1	< 1	< 1	< 1	< 1.0	< 1.0	0.57 J	0.23 J
Toluene	2.7	0.82 J	3.4	5	1.6	3.4	2.5	< 1	1.3	< 1	< 1	2.2	< 1.0	3	2
Trans-1,2-Dichloroethene	2.6	1.9 B (UB)	1.9	1.8	3.4	2.4	2.4	2	2.1	1.3 B (UB)	1.6	< 1.0	< 1.0	67	71
Trans-1,3-Dichloropropene	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2
Trichloroethene	8.7	22	8.8	14	64	41	42	47	40	29	27	27	17	4.8	1.3
Trichlorofluoromethane	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1
Vinyl Acetate	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2
Vinyl Chloride	1.8	2.2	1.1	1.3	0.86	0.46 J	0.53 J	< 1	0.59 J	< 1	< 1	< 1.0	< 1.0	16	1.6
Xylenes (Total)	< 1	< 1	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 3	< 3
Dissolved Gases (µg/L)															
Ethane	1.8	0.72 J	4	4	< 1.5	< 1.5	< 1.5	< 1.1	< 1.1	< 1.1	2.1	3.6 H (J)	1.1 J	1.2 J	3.6
Ethene	9.5	5.4	13	6.1	< 1.5	< 1.5	< 1.5	0.8 J	1.5	0.73 J	3.2	3.7 H (J)	89	99	200
Methane	17000	9200	14000	9200	120	1500	3000	1200	6100	1100	7000	860 H (J)	280	5600	5100
Metals (mg/L)															
Sodium	26	17	--	--	4.62	4.56	4.46	4.3	3.4	4	--	--	15.3	16	13.5
Iron (Ferrous)	--	--	--	--	--	0.5	0.2	1	--	--	--	--	--	2	7
General Chemistry (mg/L)					--	--	--	--					--	--	--
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	--	--	--	--	11.5	9.47	10.5	6.9	--	--	--	--	--	30.7	29.2
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	--	--	--	--	< 0.1	< 0.1	< 0.1	< 0.05	--	--	--	--	--	< 0.1	< 0.1
Sulfate	2.6	11	--	--	11.8	9.07	13	13	7.9	14	--	--	0.591	0.461 J	0.287 J
TOC	1.3	0.79 J	1.7	1.1	2.44	5.38	1.24	0.61 J	0.9 J	< 1	0.57 J	0.63 J	54.2	65	32.6

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT3	OLF-G73- PORT3
Date	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	8/14/17	11/8/17	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	8/14/17	11/8/17
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1.0	< 1.0	92	50	9.2	2	< 1	< 1	< 1.0	< 1.0	23 (J)	28
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	< 1.0	--	< 1	< 1	< 1	--	< 1	< 1	< 1.0	--	< 5	< 1
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1.0	< 1.0	7.9	4.3	0.72 J	< 1	< 1	< 1	< 1.0	< 1.0	3.1 J	2.8
1,1-Dichloroethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 1.0	< 1.0	0.59 J	0.59 J	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
1,1-Dichloropropene	< 1	< 1	0.34 J B	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
1,2,3-Trichlorobenzene	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5	< 1
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
1,2,4-Trichlorobenzene	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
1,2-Dibromo-3-Chloropropane	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 10	< 2
1,2-Dibromoethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
1,2-Dichlorobenzene	< 1	< 1	< 0.43 (UB)	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
1,2-Dichloroethane	1.7	1.4	1.5	1.1	1.4	0.46 J	0.64 J	0.77 J	0.62 J	1.1	0.58 J	0.82 J	< 1.0	< 5	0.28 J
1,2-Dichloropropane	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 5	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 0.47 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
1,3-Dichlorobenzene	< 1	< 1	< 0.54 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
1,4-Dichlorobenzene	< 1	0.8 J	< 1.3 (UB)	0.64 J	0.52 J	< 1	< 1	< 1	< 1	< 1	< 0.59 (UB)	< 1.0	< 1.0	< 5	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1.0 *	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0 *	--	< 5	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10
2-Chlorotoluene	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	< 50	< 10
4-Chlorotoluene	< 1	< 1	< 0.49 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10 **1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 **1	< 50	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	11	< 10	< 50	< 10
Acrylonitrile	--	< 20	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20	< 50	< 10
Benzene	0.89 J	0.96 J	1.1	0.67 J	0.61 J	< 1	0.34 J	0.41 J	< 1	0.45 J	< 1	< 1.0	< 1.0	< 5	< 1
Bromobenzene	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
Bromochloromethane	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 5	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Bromoform	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Bromomethane	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 10	< 2
Carbon Disulfide	< 2	< 2	< 2.2 (UB)	< 2.0	< 2.0	< 1	< 1	< 1	< 2	< 2	< 1.6 (UB)	< 2.0	< 2.0	< 5	< 1
Carbon Tetrachloride	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Chlorobenzene	40	61	68	61	58	3.7	9.4	14	7.8	19	8.1	18	4.7	< 5	0.27 J
Chloroethane	< 5	< 5	6	7.8	8.9	< 2	< 2	< 2	< 5	2.9 J	< 5	4.4 J	< 5.0	< 10	< 2
Chloroform	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Chloromethane	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 10	< 2
Cis-1,2-Dichloroethene	< 1	< 1	< 0.46 (UB)	< 1.0	< 1.0	130	180	57	19	2	< 1.2 (UB)	1.3	0.78 J	12	25

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT1	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT2	OLF-G73- PORT3	OLF-G73- PORT3
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Dibromomethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Dichlorodifluoromethane	< 1	< 1	< 1	< 1.0	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	--	< 10	< 2
Ethylbenzene	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Hexachlorobutadiene	< 5	< 5	< 2.9 (UB)	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 5	< 1
Iodomethane	--	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 10	< 2
Isopropyl Benzene (Cumene)	< 1	< 1	< 0.44 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
m,p-Xylene	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--	--
Methylene Chloride	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 10	< 2
MTBE	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 5	< 1
Naphthalene	< 5	< 5	< 5	< 5.0	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	--	< 10	< 2
N-Butylbenzene	< 1	< 1	< 0.99 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 0.53 (UB)	< 1.0	--	< 5	< 1
N-Propylbenzene	< 1	< 1	< 0.49 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
O-Xylene	< 1	< 1	< 0.3 (UB)	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 0.54 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
Sec-Butylbenzene	< 1	< 1	< 0.61 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
Styrene	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Tert-Butylbenzene	< 1	< 1	< 0.62 (UB)	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 5	< 1
Tetrachloroethylene	< 1	< 1	< 1	< 1.0	< 1.0	1.1	0.68 J	0.22 J	< 1	< 1	< 1	< 1.0	< 1.0	< 5	0.88 J
Toluene	< 1	< 1	1.1	2.7	1.9	2.4	1	0.26 J	< 1	< 1	< 1	2.4	3.3	< 5	< 1
Trans-1,2-Dichloroethene	0.52 J	< 1	1 B	< 1.0	< 1.0	12	20	39	23	7.9	< 2.5 (UB)	6	1.9	3.9 J	4.3
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Trans-1,4-Dichloro-2-Butene	--	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	< 10	< 2
Trichloroethene	< 1	< 1	< 2 (UB)	< 1.0	< 1.0	98	52	25	15	2.9	3.5 B (B)	3.7	1.6	100	130
Trichlorofluoromethane	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 5	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 10	< 2
Vinyl Chloride	< 1	< 1	< 1	< 1.0	< 1.0	3.2	9.4	7	4.1	0.81 J	< 1	< 1.0	< 1.0	< 4	< 0.8
Xylenes (Total)	< 1	< 1	< 0.3 (UB)	< 1.0	< 1.0	< 3	< 3	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 15	< 3
Dissolved Gases (µg/L)															
Ethane	9.2	11	21	< 1.1	65	< 1.5	1 J	2.7	2.2	31	10	< 1.1	6.4	< 1.5	< 1.5
Ethene	330	300	280	2.4	86	< 1.5	7	28	12	2	< 1	< 1.0	1.1	2.9	2
Methane	13000	9600	13000	190	13000	390	310	920	1600	6200	2800	< 0.58	1600	440	310
Metals (mg/L)															
Sodium	7.5	12	12	--	--	8	8.7	8.62	14	8	7.9	--	--	52.3	47.5
Iron (Ferrous)	2.5	--	--	--	--	--	0.5	1	0	--	--	--	--	--	1.5
General Chemistry (mg/L)	--					--	--	--	--					--	--
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	20	--	--	--	--	28.2	35.5	34	31	--	--	--	--	18.2	19.3
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	< 0.05	--	--	--	--	< 0.1	< 0.1	< 0.1	< 0.05	--	--	--	--	0.0943 J	0.122
Sulfate	1.2	< 1	< 1	--	--	1.31	0.788	0.49 J	< 1	< 1	3.4	--	--	16	10.5
TOC	0.73 J	12	8.8	5.1	2.1	0.877 J	1.47	0.983 J	28	< 1	< 1	1.1	0.82 J	1.33	5.04

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT5
Date	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	8/14/17	11/8/17	2/20/18	5/17/18	11/13/18	5/1/19	11/11/19	5/18/20	8/14/17
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,1,2,2-Tetrachloroethane	37	< 1	7.8	3.1	< 1.0	< 1.0	4.1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	--	< 1	< 1	< 1.0	--	< 1	< 1	< 1	--	< 1	< 1	< 1.0	--	< 1
1,1,2-Trichloroethane	3	< 1	1.2	0.96 J	< 1.0	< 1.0	1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,1-Dichloroethene	< 1	< 1	< 1	< 0.45 (UB)	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,1-Dichloropropene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
1,2,3-Trichlorobenzene	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 1
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,2,4-Trichlorobenzene	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	0.33 J	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
1,2-Dibromo-3-Chloropropane	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,2-Dichloroethane	0.27 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
2,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1.0 *	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0 *	--	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	7.6 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10 *	4.7 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10
4-Chlorotoluene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10 **1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 **1	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	11	41	< 10	< 10	< 10	< 10	< 10	< 10	9.2 J	< 10
Acrylonitrile	< 10	--	< 20	< 20	< 20	< 20	< 10	< 10	< 10	--	< 20	< 20	< 20	< 20	< 10
Benzene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Bromobenzene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
Bromochloromethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Bromoform	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Bromomethane	< 2	< 5 *	< 5	< 5	< 5.0	< 5.0 *1	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 2
Carbon Disulfide	< 1	< 2	< 2	< 1.3 (UB)	< 2.0	< 2.0	< 1	< 1	< 1	< 2	< 2	< 2	< 2.0	< 2.0	< 1
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Chlorobenzene	0.51 J	< 1	1.4	1.9	1.3	0.53 J	0.25 J	< 1	< 1	< 1	< 1	0.31 J H	0.31 J	< 1.0	< 1
Chloroethane	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2
Chloroform	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Chloromethane	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2
Cis-1,2-Dichloroethene	49	1.1	38	28 B (B)	27	27	5.1	1.4	1.3	1.1	0.98 J	1.1 H	1.6	1.9	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT3	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT4	OLF-G73- PORT5
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Dibromomethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Dichlorodifluoromethane	< 2	< 1	< 1	< 1	< 1.0	--	< 2	< 2	< 2	< 1	< 1	< 1	< 1.0	--	< 2
Ethylbenzene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Hexachlorobutadiene	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 1	< 1	< 5	< 5	< 5	< 5.0	--	< 1
Iodomethane	< 2	--	< 10	< 10	< 10	< 10	< 2	< 2	< 2	--	< 10	< 10	< 10	< 10	< 2
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
m,p-Xylene	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--
Methylene Chloride	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2
MTBE	< 1	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 1
Naphthalene	< 2	< 5	< 5	< 5	< 5.0	--	< 2	< 2	< 2	< 5	< 5	< 5	< 5.0	--	< 2
N-Butylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
N-Propylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
O-Xylene	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
Sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
Styrene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	--	< 1
Tetrachloroethylene	0.79 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Toluene	< 1	0.67 J	< 1	< 1	1.8	3.2	3.1	1.7	1	0.73 J	0.58 J	< 1	0.71 J	0.59 J	0.41 J
Trans-1,2-Dichloroethene	6.1	< 1	8.4	< 6.3 (UB)	7	5.8	1.1	0.32 J	0.28 J	< 1	< 1	< 1	0.38 J	< 1.0	< 1
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Trans-1,4-Dichloro-2-Butene	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2
Trichloroethene	150	7.7	89	61 B (B)	33	13	7.5	9.8	9.7	6.6	5.3	6.2 H	3.5	1.6	< 1
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2
Vinyl Chloride	0.85	< 1	2.4	2.8	5.6	3.2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0	< 0.8
Xylenes (Total)	< 3	< 1	< 1	< 1	< 1.0	< 1.0	1 J	< 3	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 3
Dissolved Gases (µg/L)															
Ethane	< 1.5	0.57 J	0.84 J	2.3	< 1.1	2.5	2.7	1.7	1.5 J	1.4	1 J	1.8	< 1.1	0.81 J	< 1.5
Ethene	2.1	3.6	3	4.4	0.90 J	10	2.9	2	1.8	1.9	2.8	12	< 1.0	5.2	< 1.5
Methane	420	1300	1900	10000	430	8600	590	400	470	660	2300	3300	< 390	4300	520
Metals (mg/L)															
Sodium	36.5	45	46	42	--	--	29.9	87.7	75.1	82	33	62	--	--	5.67
Iron (Ferrous)	2	1	--	--	--	--	--	0.5	0	1	--	--	--	--	--
General Chemistry (mg/L)	--	--					--	--	--	--					--
Bromide	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride-Cl	21.6	16	--	--	--	--	22.1	7.63	8.35	5.5	--	--	--	--	6.78
Fluoride	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate-N	0.103	0.052	--	--	--	--	< 0.1	0.0627 J	< 0.1	< 0.05	--	--	--	--	0.104
Sulfate	10	8.9	6.5	8.9	--	--	13.4	20.5	24.3	21	16	22	--	--	16
TOC	1	1.2	< 1	0.89 J	1.6	2.9	1.78	3.26	10.6	1	0.7 J	0.76 J	1.5	1.7	0.647 J

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1
Date	11/8/17	2/20/18	5/16/18	11/13/18	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	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	3.4	4	3.3 H	3	2.8
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1	< 1	--	< 1	< 1	< 1.0	--	--	--	--	--	< 1	< 1	< 1.0	--
1,1,2-Trichloroethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	0.42 J	< 1	< 1.0	< 1.0
1,1-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,2,3-Trichlorobenzene	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--
1,2,3-Trichloropropane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--
1,2,4-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,2-Dibromo-3-Chloropropane	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0
1,2-Dibromoethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichloroethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0 *
1,3,5-Trimethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,3-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
1,3-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
2,2-Dichloropropane	< 1	< 1	< 1	< 1	< 1	< 1.0 *	--	--	--	--	< 1	< 1	< 1	< 1.0 *	--
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
2-Hexanone	< 10	< 10	< 10	< 10	< 10	< 10	< 10 *	--	--	--	< 10	< 10	< 10	< 10	< 10 *
4-Chlorotoluene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
4-Methyl-2-Pentanone (MIBK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10 **1	--	--	--	< 10	< 10	< 10	< 10	< 10 **1
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	10	--	--	--	< 10	< 10	< 10	< 10	45
Acrylonitrile	< 10	< 10	--	< 20	< 20	< 20	< 20	--	--	--	--	< 20	< 20	< 20	< 20
Benzene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromobenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Bromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0 *
Bromodichloromethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromoform	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Bromomethane	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0 *1	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0 *1
Carbon Disulfide	< 1	< 1	< 2	< 2	< 2	1.2 J	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0	< 2.0
Carbon Tetrachloride	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Chlorobenzene	< 1	< 1	< 1	0.69 J	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Chloroethane	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0
Chloroform	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Chloromethane	< 2	< 2	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Cis-1,2-Dichloroethene	< 1	< 1	< 1	0.77 J	< 1	0.44 J	0.90 J	--	--	--	1.7	1.9	1.8 H	2.1	3.5

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G73- PORT5	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1	OLF-G74- PORT1
Cis-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Dibromochloromethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Dibromomethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Dichlorodifluoromethane	< 2	< 2	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Ethylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Hexachlorobutadiene	< 1	< 1	< 5	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--
Iodomethane	< 2	< 2	--	< 10	< 10	< 10	< 10	--	--	--	--	< 10	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
m,p-Xylene	--	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Methylene Chloride	< 2	< 2	< 5	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0	< 5.0
MTBE	< 1	< 1	< 10	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10	< 10
Naphthalene	< 2	< 2	< 5	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0	--
N-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
N-Propylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
O-Xylene	--	--	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
P-Isopropyltoluene (Cymene)	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Sec-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Styrene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Tert-Butylbenzene	< 1	< 1	< 1	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0	--
Tetrachloroethylene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Toluene	0.26 J	< 1	< 1	< 1	< 1	0.64 J	0.85 J	--	--	--	< 1	< 1	< 1	0.52 J	9.8
Trans-1,2-Dichloroethene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	0.48 J *	0.56 J B (B)	0.48 J H	0.63 J	0.40 J
Trans-1,3-Dichloropropene	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2	< 2	--	< 2	< 2	< 2.0	< 2.0	--	--	--	--	< 2	< 2	< 2.0	< 2.0
Trichloroethene	< 1	< 1	< 1	0.53 J	< 1	< 1.0	< 1.0	--	--	--	2.4	2.5	2.6 H	2.7	1.3
Trichlorofluoromethane	< 1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Vinyl Acetate	< 2	< 2	< 2	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0	< 2.0
Vinyl Chloride	< 0.8	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Xylenes (Total)	< 3	< 3	< 1	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0	< 1.0
Dissolved Gases (µg/L)															
Ethane	< 1.5	< 1.5	< 1.1	< 1.1	0.59 J	< 1.1	< 1.1	--	--	--	--	--	--	--	--
Ethene	< 1.5	< 1.5	< 1	3.5	0.71 J	< 1.0	4.2	--	--	--	--	--	--	--	--
Methane	340	160	350	740	220	< 0.58	4000	--	--	--	--	--	--	--	--
Metals (mg/L)															
Sodium	4.67	4.19	3.8	27	3.5	--	--	1.57	1.48	1.59	1.2	0.990 J	1.1	--	--
Iron (Ferrous)	0.5	2.5	1	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)	--	--	--												
Bromide	--	--	< 0.5	--	--	--	--	--	--	--	< 0.5	--	--	--	--
Chloride-Cl	6.06	7.28	4.9	--	--	--	--	--	--	--	1.9	--	--	--	--
Fluoride	--	--	0.2	--	--	--	--	--	--	--	0.074 J	--	--	--	--
Nitrate-N	0.173	0.174	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate	15.6	19.1	16	2	15	--	--	1.07	1.27	0.819	1.1	< 1	0.52 J	--	--
TOC	0.745 J	< 1	< 1	16	< 1	0.63 J	1.9	--	--	--	< 1	< 1	< 1	< 1.0	4.2

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 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- PORT2	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3
Date	8/11/17	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
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1,1-Trichloroethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1,2,2-Tetrachloroethane	--	--	--	160	89	39 H	19	7	--	--	--	1.6	2.5	< 1	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	--	< 1	< 1	< 1.0
1,1,2-Trichloroethane	--	--	--	7.8	9	2.3 H	1	< 1.0	--	--	--	0.67 J	1	< 1	0.59 J
1,1-Dichloroethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1-Dichloroethene	--	--	--	< 5	0.46 J	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1-Dichloropropene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
1,2,3-Trichlorobenzene	--	--	--	< 25	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0
1,2,3-Trichloropropane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,2,4-Trichlorobenzene	--	--	--	< 25	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0
1,2,4-Trimethylbenzene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
1,2-Dibromo-3-Chloropropane	--	--	--	< 25	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0
1,2-Dibromoethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,2-Dichlorobenzene	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,2-Dichloroethane	--	--	--	< 5	0.5 J	0.53 J H	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,2-Dichloropropane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0
1,3,5-Trimethylbenzene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
1,3-Dichlorobenzene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
1,3-Dichloropropane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,4-Dichlorobenzene	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
2,2-Dichloropropane	--	--	--	< 5	< 1	< 1	< 1.0 *	--	--	--	--	< 1	< 1	< 1	< 1.0
2-Butanone (MEK)	--	--	--	< 50	7.5 J	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
2-Hexanone	--	--	--	< 50	< 10	< 10	< 10	< 10 *	--	--	--	< 10	< 10	< 10	< 10
4-Chlorotoluene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
4-Methyl-2-Pentanone (MIBK)	--	--	--	< 50	< 10	< 10	< 10	< 10 * *1	--	--	--	< 10	< 10	< 10	< 10
Acetone	--	--	--	< 50	< 10	< 10	< 10	69	--	--	--	< 10	< 10	< 10	< 10
Acrylonitrile	--	--	--	--	< 20	< 20	< 20	< 20	--	--	--	--	< 20	< 20	< 20
Benzene	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Bromobenzene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Bromochloromethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0
Bromodichloromethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Bromoform	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Bromomethane	--	--	--	< 25	< 5	< 5	< 5.0	< 5.0 *1	--	--	--	< 5	< 5	< 5	< 5.0
Carbon Disulfide	--	--	--	< 10	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0
Carbon Tetrachloride	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Chlorobenzene	--	--	--	< 5	2.7	4.3 H	4	2.7	--	--	--	< 1	< 1	< 1	< 1.0
Chloroethane	--	--	--	< 25	< 5	2.8 J H	4.0 J	3.3 J	--	--	--	< 5	< 5	< 5	< 5.0
Chloroform	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Chloromethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Cis-1,2-Dichloroethene	--	--	--	140	140	100 H	91	90	--	--	--	4.8	13	3.7 H	7.7

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 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- PORT2	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3	OLF-G74- PORT3
Cis-1,3-Dichloropropene	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Dibromochloromethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Dibromomethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Dichlorodifluoromethane	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Ethylbenzene	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Hexachlorobutadiene	--	--	--	< 25	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0
Iodomethane	--	--	--	--	< 10	< 10	< 10	< 10	--	--	--	--	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
m,p-Xylene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Methylene Chloride	--	--	--	< 25	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0
MTBE	--	--	--	< 50	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10
Naphthalene	--	--	--	< 25	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0
N-Butylbenzene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
N-Propylbenzene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
O-Xylene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
P-Isopropyltoluene (Cymene)	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Sec-Butylbenzene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Styrene	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Tert-Butylbenzene	--	--	--	< 5	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Tetrachloroethylene	--	--	--	< 5	0.82 J	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Toluene	--	--	--	< 5	< 1	< 1	1.4	10	--	--	--	< 1	< 1	< 1	0.77 J
Trans-1,2-Dichloroethene	--	--	--	36	57 B (B)	47 H	49	39	--	--	--	1.7 *	3.4 B (B)	0.69 J H	1.7
Trans-1,3-Dichloropropene	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Trans-1,4-Dichloro-2-Butene	--	--	--	--	< 2	< 2	< 2.0	< 2.0	--	--	--	--	< 2	< 2	< 2.0
Trichloroethene	--	--	--	100	76	76 H	53	23	--	--	--	74	98	35 H	44
Trichlorofluoromethane	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Vinyl Acetate	--	--	--	< 10	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0
Vinyl Chloride	--	--	--	16	25	14 H	11	6.6	--	--	--	< 1	< 1	< 1	< 1.0
Xylenes (Total)	--	--	--	< 5	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Dissolved Gases (µg/L)															
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)															
Sodium	7.61	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	1.49	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

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 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
Date	5/18/20	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
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1,1-Trichloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	--	< 1	< 1	< 1.0
1,1,2-Trichloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1-Dichloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1-Dichloroethene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,1-Dichloropropene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
1,2,3-Trichlorobenzene	--	--	--	--	< 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
1,2,4-Trichlorobenzene	--	--	--	--	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0
1,2,4-Trimethylbenzene	--	--	--	--	< 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
1,2-Dibromoethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,2-Dichlorobenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,2-Dichloroethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
1,2-Dichloropropane	< 1.0 *	--	--	--	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0
1,3,5-Trimethylbenzene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
1,3-Dichlorobenzene	--	--	--	--	< 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
1,4-Dichlorobenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
2,2-Dichloropropane	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0 *
2-Butanone (MEK)	< 10	--	--	--	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
2-Hexanone	< 10 *	--	--	--	< 10	< 10	< 10	< 10 *	--	--	--	< 10	< 10	< 10	< 10
4-Chlorotoluene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
4-Methyl-2-Pentanone (MIBK)	< 10 * *1	--	--	--	< 10	< 10	< 10	< 10 * *1	--	--	--	< 10	< 10	< 10	< 10
Acetone	< 10	--	--	--	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	--	--	--	< 20	< 20	< 20	< 20	--	--	--	--	< 20	< 20	< 20
Benzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Bromobenzene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Bromochloromethane	< 1.0 *	--	--	--	< 1	< 1	< 1.0	< 1.0 *	--	--	--	< 1	< 1	< 1	< 1.0
Bromodichloromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Bromoform	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Bromomethane	< 5.0 *1	--	--	--	< 5	< 5	< 5.0	< 5.0 *1	--	--	--	< 5	< 5	< 5	< 5.0
Carbon Disulfide	< 2.0	--	--	--	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0
Carbon Tetrachloride	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Chlorobenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Chloroethane	< 5.0	--	--	--	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0
Chloroform	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Chloromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Cis-1,2-Dichloroethene	3.7	--	--	--	1.5	1.2 H	1.2	1	--	--	--	1.8	1.1	0.78 J H	0.92 J

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 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
Cis-1,3-Dichloropropene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Dibromochloromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Dibromomethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Dichlorodifluoromethane	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Ethylbenzene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Hexachlorobutadiene	--	--	--	--	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0
Iodomethane	< 10	--	--	--	< 10	< 10	< 10	< 10	--	--	--	--	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
m,p-Xylene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Methylene Chloride	< 5.0	--	--	--	< 5	< 5	< 5.0	< 5.0	--	--	--	< 5	< 5	< 5	< 5.0
MTBE	< 10	--	--	--	< 10	< 10	< 10	< 10	--	--	--	< 10	< 10	< 10	< 10
Naphthalene	--	--	--	--	< 5	< 5	< 5.0	--	--	--	--	< 5	< 5	< 5	< 5.0
N-Butylbenzene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
N-Propylbenzene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
O-Xylene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
P-Isopropyltoluene (Cymene)	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Sec-Butylbenzene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Styrene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Tert-Butylbenzene	--	--	--	--	< 1	< 1	< 1.0	--	--	--	--	< 1	< 1	< 1	< 1.0
Tetrachloroethylene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Toluene	< 1.0	--	--	--	< 1	< 1	0.80 J	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Trans-1,2-Dichloroethene	0.52 J	--	--	--	0.46 J B (B)	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Trans-1,3-Dichloropropene	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2.0	--	--	--	< 2	< 2	< 2.0	< 2.0	--	--	--	--	< 2	< 2	< 2.0
Trichloroethene	17	--	--	--	8.3	9.7 H	6	4.4	--	--	--	2.6	3.2	2.4 H	1.6
Trichlorofluoromethane	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Vinyl Acetate	< 2.0	--	--	--	< 2	< 2	< 2.0	< 2.0	--	--	--	< 2	< 2	< 2	< 2.0
Vinyl Chloride	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 1.0
Xylenes (Total)	< 1.0	--	--	--	< 1	< 1	< 1.0	< 1.0	--	--	--	< 1	< 1	< 1	< 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	1.1	--	--	--	< 1	0.6 J	1.2	0.88 J	--	--	--	1.2	< 1	0.7 J	0.97 J

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G74-PORT5	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-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3
Date	5/18/20	5/30/18	11/26/18	5/13/19	11/13/19	5/18/20	5/31/18	11/26/18	5/13/19	11/13/19	5/18/20	5/31/18	11/26/18	5/13/19	11/13/19
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,1,1-Trichloroethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
1,1,2-Trichloroethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,1-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,1-Dichloroethene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,1-Dichloropropene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
1,2,3-Trichlorobenzene	--	< 5	< 5	< 5	< 5.0	--	< 5	< 5	< 5	< 5.0	--	--	< 5	< 5	< 5.0
1,2,3-Trichloropropane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,2,4-Trichlorobenzene	--	< 5	< 5	< 5	< 5.0	--	< 5	< 5	< 5	< 5.0	--	--	< 5	< 5	< 5.0
1,2,4-Trimethylbenzene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
1,2-Dibromo-3-Chloropropane	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	--	< 5	< 5	< 5.0
1,2-Dibromoethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,2-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,2-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,2-Dichloropropane	< 1.0 *	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1	< 1	< 1	< 1.0	< 1.0 *	--	< 1	< 1	< 1.0
1,3,5-Trimethylbenzene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
1,3-Dichlorobenzene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
1,3-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
1,4-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
2,2-Dichloropropane	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10
2-Chlorotoluene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
2-Hexanone	< 10 *	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 10	< 10	< 10 *	--	< 10	< 10	< 10
4-Chlorotoluene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
4-Methyl-2-Pentanone (MIBK)	< 10 **1	< 10	< 10	< 10	< 10	< 10 **1	< 10	< 10	< 10	< 10	< 10 **1	--	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10
Acrylonitrile	< 20	--	< 20	< 20	< 20	< 20	--	< 20	< 20	< 20	< 20	--	< 20	< 20	< 20
Benzene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Bromobenzene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
Bromochloromethane	< 1.0 *	< 1	< 1	< 1	< 1.0	< 1.0 *	< 1	< 1	< 1	< 1.0	< 1.0 *	--	< 1	< 1	< 1.0
Bromodichloromethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Bromoform	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Bromomethane	< 5.0 *1	< 5	< 5	< 5	< 5.0	< 5.0 *1	< 5	< 5	< 5	< 5.0	< 5.0 *1	--	< 5	< 5	< 5.0
Carbon Disulfide	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0	--	< 2	< 2	< 2.0
Carbon Tetrachloride	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Chlorobenzene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Chloroethane	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	--	< 5	< 5	< 5.0
Chloroform	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Chloromethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Cis-1,2-Dichloroethene	0.82 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	0.54 J

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G74-PORT5	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-S3	OLF-G75-S3	OLF-G75-S3	OLF-G75-S3
Cis-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Dibromochloromethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Dibromomethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Dichlorodifluoromethane	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
Ethylbenzene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Hexachlorobutadiene	--	< 5	< 5	< 5	< 5.0	--	< 5	< 5	< 5	< 5.0	--	--	< 5	< 5	< 5.0
Iodomethane	< 10	--	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10
Isopropyl Benzene (Cumene)	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
m,p-Xylene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
Methylene Chloride	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	< 5	< 5	< 5	< 5.0	< 5.0	--	< 5	< 5	< 5.0
MTBE	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10
Naphthalene	--	< 5	< 5	< 5	< 5.0	--	< 5	< 5	< 5	< 5.0	--	--	< 5	< 5	< 5.0
N-Butylbenzene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
N-Propylbenzene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
O-Xylene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
P-Isopropyltoluene (Cymene)	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
Sec-Butylbenzene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
Styrene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Tert-Butylbenzene	--	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1.0
Tetrachloroethylene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Toluene	0.48 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Trans-1,2-Dichloroethene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Trans-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2.0	--	< 2	< 2	< 2.0	< 2.0	--	< 2	< 2	< 2.0	< 2.0	--	< 2	< 2	< 2.0
Trichloroethene	1.2	< 1	< 1	< 1	< 1.0	< 1.0	< 1	0.81 J	< 1	0.79 J	< 1.0	--	3.4	< 1	4
Trichlorofluoromethane	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Vinyl Acetate	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2.0	< 2.0	--	< 2	< 2	< 2.0
Vinyl Chloride	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 1.0
Xylenes (Total)	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	< 1	< 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	< 1	--	--	--	--	< 1	--	--	--	--	< 1	--	--	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G75-S3	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	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6
Date	5/18/20	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	5/30/18	11/27/18	5/14/19	11/12/19	5/18/20	5/30/18	11/27/18	5/14/19	11/12/19
Volatile Organic Compounds (µg/L)															
1,1,1,2-Tetrachloroethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,1,1-Trichloroethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,1,2,2-Tetrachloroethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1 (UJ)	< 1.0	--	--	< 1	< 1 (UJ)	< 1.0
1,1,2-Trichloroethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,1-Dichloroethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,1-Dichloroethene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,1-Dichloropropene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0
1,2,3-Trichlorobenzene	--	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5	< 5	< 5 (UJ)	< 5.0
1,2,3-Trichloropropane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,2,4-Trichlorobenzene	--	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5	< 5	< 5 (UJ)	< 5.0
1,2,4-Trimethylbenzene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0
1,2-Dibromo-3-Chloropropane	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0
1,2-Dibromoethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,2-Dichlorobenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,2-Dichloroethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,2-Dichloropropane	< 1.0 *	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1	< 1	< 1 (UJ)	< 1.0
1,3,5-Trimethylbenzene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0
1,3-Dichlorobenzene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0
1,3-Dichloropropane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
1,4-Dichlorobenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
2,2-Dichloropropane	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0
2-Butanone (MEK)	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10
2-Chlorotoluene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0
2-Hexanone	< 10 *	< 10	< 10	< 10 (UJ)	< 10	< 10 *	< 10	< 10	< 10 (UJ)	< 10	< 10 *	< 10	< 10	< 10 (UJ)	< 10
4-Chlorotoluene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0
4-Methyl-2-Pentanone (MIBK)	< 10 **1	< 10	< 10	< 10 (UJ)	< 10	< 10 **1	< 10	< 10	< 10 (UJ)	< 10	< 10 **1	< 10	< 10	< 10 (UJ)	< 10
Acetone	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10
Acrylonitrile	< 20	--	< 20	< 20 (UJ)	< 20	< 20	--	< 20	< 20 (UJ)	< 20	< 20	--	< 20	< 20 (UJ)	< 20
Benzene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
Bromobenzene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0
Bromochloromethane	< 1.0 *	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	< 1	< 1	< 1 (UJ)	< 1.0
Bromodichloromethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
Bromoform	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
Bromomethane	< 5.0 *1	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0 *1	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0 *1	< 5	< 5	< 5 (UJ)	< 5.0
Carbon Disulfide	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0
Carbon Tetrachloride	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
Chlorobenzene	< 1.0	< 1	< 1	< 1 (UJ)	0.46 J	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
Chloroethane	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0
Chloroform	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
Chloromethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0
Cis-1,2-Dichloroethene	< 1.0	< 1	< 1	< 1 (UJ)	0.80 J	< 1.0	< 1	< 1	< 1 (UJ)	1.1	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G75-S3	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	OLF-G75-S5	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6	OLF-G75-S6
Cis-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Dibromochloromethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Dibromomethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Dichlorodifluoromethane	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
Ethylbenzene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Hexachlorobutadiene	--	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5	< 5	< 5 (UJ)	< 5.0	
Iodomethane	< 10	--	< 10	< 10 (UJ)	< 10	< 10	--	< 10	< 10 (UJ)	< 10	< 10	--	< 10	< 10 (UJ)	< 10	
Isopropyl Benzene (Cumene)	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
m,p-Xylene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
Methylene Chloride	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	< 5	< 5	< 5 (UJ)	< 5.0	
MTBE	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	
Naphthalene	--	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5	< 5	< 5 (UJ)	< 5.0	--	< 5	< 5	< 5 (UJ)	< 5.0	
N-Butylbenzene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
N-Propylbenzene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
O-Xylene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
P-Isopropyltoluene (Cymene)	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
Sec-Butylbenzene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
Styrene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Tert-Butylbenzene	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	--	< 1	< 1	< 1 (UJ)	< 1.0	
Tetrachloroethylene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Toluene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Trans-1,2-Dichloroethene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Trans-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Trans-1,4-Dichloro-2-Butene	< 2.0	--	< 2	< 2 (UJ)	< 2.0	< 2.0	--	< 2	< 2 (UJ)	< 2.0	< 2.0	--	< 2	< 2 (UJ)	< 2.0	
Trichloroethene	< 1.0	< 1	< 1	< 1 (UJ)	6.3	< 1.0	< 1	< 1	< 1 (UJ)	8.8	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Trichlorofluoromethane	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Vinyl Acetate	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	< 2	< 2	< 2 (UJ)	< 2.0	
Vinyl Chloride	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	
Xylenes (Total)	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 1	< 1	< 1 (UJ)	< 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	--	--	--	--	< 1	--	--	--	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G75-S6	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	OLF-G78	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12
Date	5/18/20	8/14/17	11/13/17	2/15/18	5/17/18	11/13/18	5/6/19	11/20/19	5/28/20	8/14/17	11/13/17	2/15/18	5/16/18	11/12/18	5/6/19	11/20/19	05/28/20	11/9/17	5/17/18	11/14/18
Volatile Organic Compounds (µg/L)																				
1,1,1,2-Tetrachloroethane	< 1.0	0.24 J	0.22 J	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,1,1-Trichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,1,2,2-Tetrachloroethane	< 1.0	1700	1200	1400	1200	1000	1200	1100	980	--	9.9	--	18	8	9.8	5.0	14	< 1	< 1	< 1
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	< 1	< 1	--	< 10	< 1	--	--	--	< 1	--	--	< 1	< 1	--	--	< 1	--	< 1
1,1,2-Trichloroethane	< 1.0	29	28	33	26	27	32	25	28	--	1.3	--	0.58 J	0.39 J	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,1-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,1-Dichloroethene	< 1.0	0.66 J	0.75 J	0.69 J	0.75 J	< 10	0.79 J	< 10	0.56 J	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,1-Dichloropropene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
1,2,3-Trichlorobenzene	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 5	< 5
1,2,3-Trichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,2,4-Trichlorobenzene	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 5	< 5
1,2,4-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
1,2-Dibromo-3-Chloropropane	< 5.0	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 5	< 5
1,2-Dibromoethane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,2-Dichloroethane	< 1.0	< 1	0.44 J	0.41 J	0.59 J	< 10	0.7 J	< 10	0.68 J	--	1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,2-Dichloropropane	< 1.0 *	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,3,5-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
1,3-Dichlorobenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
1,3-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1.0	0.48 J	0.45 J	0.29 J	< 1	< 10	< 1	< 10	< 1.0	--	0.28 J	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
2,2-Dichloropropane	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
2-Hexanone	< 10 *	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
4-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
4-Methyl-2-Pentanone (MIBK)	< 10 * *1	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acetone	< 10	< 10	< 10	< 10	< 10	< 100	< 10	< 100	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Acrylonitrile	< 20	< 10	< 10	< 10	--	< 200	< 20	< 200	< 20	--	< 10	--	--	< 20	< 20	< 20	< 20	< 10	--	< 20
Benzene	< 1.0	0.43 J	0.38 J	0.23 J	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Bromobenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
Bromochloromethane	< 1.0 *	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Bromodichloromethane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Bromoform	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Bromomethane	< 5.0 *1	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5.0 *	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 *	< 2	< 5	< 5
Carbon Disulfide	< 2.0	< 1	< 1	< 1	< 2	< 20	< 2	< 20	< 2.0	--	< 1	--	< 2	< 2	< 2	< 2.0	< 2.0	< 1	< 2	< 2
Carbon Tetrachloride	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Chlorobenzene	< 1.0	39	30	18	16	9.4 J	21	14	18	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Chloroethane	< 5.0	< 2	< 2	< 2	< 5	< 50	< 5	< 50	< 5.0 *	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0 *	< 2	< 5	< 5
Chloroform	< 1.0	0.47 J	0.43 J	0.34 J	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Chloromethane	< 1.0	< 2	< 2	< 2	< 1	< 10	< 1	< 10	< 1.0	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 1	< 1
Cis-1,2-Dichloroethene	< 1.0	170	250	290	280	230	350	290	190	--	6.3	--	4.2	3.2	2	1.9	2.4	< 1	< 1	< 1

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	OLF-G75-S6	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	OLF-G77	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
Cis-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Dibromochloromethane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Dibromomethane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Dichlorodifluoromethane	--	0.46 J	0.32 J	< 2	< 1	< 10	< 1	--	--	--	< 2	--	< 1	< 1	< 1	--	--	< 2	< 1	< 1
Ethylbenzene	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Hexachlorobutadiene	--	< 1	< 1	< 1	< 5	< 50	< 5	--	--	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 5	< 5
Iodomethane	< 10	< 2	< 2	< 2	--	< 100	< 10	< 100	< 10	--	< 2	--	--	< 10	< 10	< 10	< 10	< 2	--	< 10
Isopropyl Benzene (Cumene)	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
m,p-Xylene	--	--	--	--	< 1	< 10	< 1	--	--	--	--	--	< 1	< 1	< 1	--	--	--	< 1	< 1
Methylene Chloride	< 5.0	0.57 J	0.58 J	< 2	< 5	< 50	< 5	< 50	< 5.0	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 5	< 5
MTBE	< 10	< 1	< 1	< 1	0.3 J	< 100	< 10	< 100	< 10	--	< 1	--	< 10	< 10	< 10	< 10	< 10	< 1	< 10	< 10
Naphthalene	--	< 2	< 2	< 2	< 5	< 50	< 5	--	--	--	< 2	--	< 5	< 5	< 5	--	--	< 2	< 5	< 5
N-Butylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
N-Propylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
O-Xylene	--	--	--	--	< 1	< 10	< 1	--	--	--	--	--	< 1	< 1	< 1	--	--	--	< 1	< 1
P-Isopropyltoluene (Cymene)	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
Sec-Butylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
Styrene	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Tert-Butylbenzene	--	< 1	< 1	< 1	< 1	< 10	< 1	--	--	--	< 1	--	< 1	< 1	< 1	--	--	< 1	< 1	< 1
Tetrachloroethylene	< 1.0	13	9.7	7.1	7	< 10	6.7	7.5 J	5.3	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Toluene	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Trans-1,2-Dichloroethene	< 1.0	64	48	52	53	100	110	140	140	--	2.2	--	1.6	1.1	0.63 J	0.90 J	1.1	< 1	< 1	< 1
Trans-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2	< 2	< 2	--	< 20	< 2	< 20	< 2.0	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	< 2	--	< 2
Trichloroethene	< 1.0	1400	1100	870	790	620	670	640	380	--	12	--	22	7	11	3.3	16	< 1	< 1	< 1
Trichlorofluoromethane	< 1.0	< 1	< 1	< 1	< 1	< 10	< 1	< 10	< 1.0	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1
Vinyl Acetate	< 2.0	< 2	< 2	< 2	< 2	< 20	< 2	< 20	< 2.0	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2
Vinyl Chloride	< 1.0	3.8	2.2	3.2	5.6	< 10	9.4	8.7 J	15	--	0.2 J	--	< 1	< 1	< 1	< 1.0	< 1.0	< 0.8	< 1	< 1
Xylenes (Total)	< 1.0	< 3	< 3	< 3	< 1	< 10	< 1	< 10	< 1.0	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	< 3	< 1	< 1
Dissolved Gases (µg/L)																				
Ethane	--	0.81 J	0.76 J	< 1.5	0.6 J	< 1.1	1.2	3.2	2.2	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	< 1.5	< 1.5	< 1.5	< 1	< 1	< 1	29	13	--	--	--	--	--	--	--	--	--	--	--
Methane	--	75	48	41	72	62	260	760	770	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)																				
Sodium	--	14.4	14	15.1	15	15	13	--	--	5.33	--	5.99	--	1.5	3.7	--	--	--	--	--
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	--	--	0.525	--	0.398 J	--	< 1	< 1	--	--	--	--	--
TOC	--	1.62	1.43	2.4	1.5	< 1	1.1	0.95 J	1.5	--	0.807 J	--	0.53 J	--	--	--	--	--	--	--

Footnotes on last page.

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12
Date	5/14/19	11/13/19	05/20/20
Volatile Organic Compounds (µg/L)			
1,1,1,2-Tetrachloroethane	< 1 (UJ)	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1 (UJ)	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	< 1 (UJ)	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	< 1 (UJ)	< 1.0	--
1,1,2-Trichloroethane	< 1 (UJ)	< 1.0	< 1.0
1,1-Dichloroethane	< 1 (UJ)	< 1.0	< 1.0
1,1-Dichloroethene	< 1 (UJ)	< 1.0	< 1.0
1,1-Dichloropropene	< 1 (UJ)	< 1.0	--
1,2,3-Trichlorobenzene	< 5 (UJ)	< 5.0	--
1,2,3-Trichloropropane	< 1 (UJ)	< 1.0	< 1.0
1,2,4-Trichlorobenzene	< 5 (UJ)	< 5.0	--
1,2,4-Trimethylbenzene	< 1 (UJ)	< 1.0	--
1,2-Dibromo-3-Chloropropane	< 5 (UJ)	< 5.0	< 5.0
1,2-Dibromoethane	< 1 (UJ)	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1 (UJ)	< 1.0	< 1.0
1,2-Dichloroethane	< 1 (UJ)	< 1.0	< 1.0
1,2-Dichloropropane	< 1 (UJ)	< 1.0	< 1.0
1,3,5-Trimethylbenzene	< 1 (UJ)	< 1.0	--
1,3-Dichlorobenzene	< 1 (UJ)	< 1.0	--
1,3-Dichloropropane	< 1 (UJ)	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1 (UJ)	< 1.0	< 1.0
2,2-Dichloropropane	< 1 (UJ)	< 1.0	--
2-Butanone (MEK)	< 10 (UJ)	< 10	< 10
2-Chlorotoluene	< 1 (UJ)	< 1.0	--
2-Hexanone	< 10 (UJ)	< 10	< 10 *
4-Chlorotoluene	< 1 (UJ)	< 1.0	--
4-Methyl-2-Pentanone (MIBK)	< 10 (UJ)	< 10	< 10
Acetone	< 10 (UJ)	< 10	< 10
Acrylonitrile	< 20 (UJ)	< 20	< 20
Benzene	< 1 (UJ)	< 1.0	< 1.0
Bromobenzene	< 1 (UJ)	< 1.0	--
Bromochloromethane	< 1 (UJ)	< 1.0	< 1.0
Bromodichloromethane	< 1 (UJ)	< 1.0	< 1.0
Bromoform	< 1 (UJ)	< 1.0	< 1.0
Bromomethane	< 5 (UJ)	< 5.0	< 5.0 *
Carbon Disulfide	< 2 (UJ)	< 2.0	< 2.0
Carbon Tetrachloride	< 1 (UJ)	< 1.0	< 1.0
Chlorobenzene	< 1 (UJ)	< 1.0	< 1.0
Chloroethane	< 5 (UJ)	< 5.0	< 5.0
Chloroform	< 1 (UJ)	< 1.0	< 1.0
Chloromethane	< 1 (UJ)	< 1.0	< 1.0
Cis-1,2-Dichloroethene	< 1 (UJ)	< 1.0	< 1.0

Table D.1: On-Site Groundwater Analytical Results for Year 1 - Year 3 Post Remediation

Well ID	PPMP-229-GP12	PPMP-229-GP12	PPMP-229-GP12
Cis-1,3-Dichloropropene	< 1 (UJ)	< 1.0	< 1.0
Dibromochloromethane	< 1 (UJ)	< 1.0	< 1.0
Dibromomethane	< 1 (UJ)	< 1.0	< 1.0
Dichlorodifluoromethane	< 1 (UJ)	< 1.0	--
Ethylbenzene	< 1 (UJ)	< 1.0	< 1.0
Hexachlorobutadiene	< 5 (UJ)	< 5.0	--
Iodomethane	< 10 (UJ)	< 10	< 10
Isopropyl Benzene (Cumene)	< 1 (UJ)	< 1.0	--
m,p-Xylene	< 1 (UJ)	< 1.0	--
Methylene Chloride	< 5 (UJ)	< 5.0	< 5.0
MTBE	< 10 (UJ)	< 10	< 10
Naphthalene	< 5 (UJ)	< 5.0	--
N-Butylbenzene	< 1 (UJ)	< 1.0	--
N-Propylbenzene	< 1 (UJ)	< 1.0	--
O-Xylene	< 1 (UJ)	< 1.0	--
P-Isopropyltoluene (Cymene)	< 1 (UJ)	< 1.0	--
Sec-Butylbenzene	< 1 (UJ)	< 1.0	--
Styrene	< 1 (UJ)	< 1.0	< 1.0
Tert-Butylbenzene	< 1 (UJ)	< 1.0	--
Tetrachloroethylene	< 1 (UJ)	< 1.0	< 1.0
Toluene	< 1 (UJ)	< 1.0	< 1.0
Trans-1,2-Dichloroethene	< 1 (UJ)	< 1.0	< 1.0
Trans-1,3-Dichloropropene	< 1 (UJ)	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2 (UJ)	< 2.0	< 2.0
Trichloroethene	< 1 (UJ)	< 1.0	< 1.0
Trichlorofluoromethane	< 1 (UJ)	< 1.0	< 1.0
Vinyl Acetate	< 2 (UJ)	< 2.0	< 2.0
Vinyl Chloride	< 1 (UJ)	< 1.0	< 1.0
Xylenes (Total)	< 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	--	--	--

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.

1 Ferrous iron measured in the field.

TOC - Total organic carbon

Table D.2
Off-Site Groundwater Analytical Results for
Year 1 - Year 3 Post Remediation

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 Post Remediation

Well ID	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-G19	OLF-G19	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21
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	11/15/17	5/23/18	11/19/18	5/9/19	11/19/19	5/27/20	11/19/19	5/27/20	11/14/17	5/23/18	11/19/18	5/9/19	11/19/19	
Volatile Organic Compounds (µg/L)																						
1,1,1,2-Tetrachloroethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,1,1-Trichloroethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,1,2,2-Tetrachloroethane	--	360	--	350	310	230	150	130	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	--	< 5	< 5	--	--	< 1	--	< 1	< 1	--	--	--	--	< 1	--	< 1	< 1	--	
1,1,2-Trichloroethane	--	6.5	--	6	6.5	4.7 J	3.6	3	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,1-Dichloroethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,1-Dichloroethene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,1-Dichloropropene	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--	
1,2,3-Trichlorobenzene	--	< 1	--	< 25	< 25	< 25	--	--	< 1	< 5	< 5	< 5	--	--	--	--	< 1	< 5	< 5	< 5	--	
1,2,3-Trichloropropane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,2,4-Trichlorobenzene	--	< 1	--	< 25	< 25	< 25	--	--	< 1	< 5	< 5	< 5	--	--	--	--	< 1	< 5	< 5	< 5	--	
1,2,4-Trimethylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--	
1,2-Dibromo-3-Chloropropane	--	< 2	--	< 25	< 25	< 25	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 5.0	
1,2-Dibromoethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,2-Dichlorobenzene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,2-Dichloroethane	--	< 1	--	< 5	8.6	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,2-Dichloropropane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,3,5-Trimethylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--	
1,3-Dichlorobenzene	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--	
1,3-Dichloropropane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
1,4-Dichlorobenzene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
2,2-Dichloropropane	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--	
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	--	--	< 10	< 10	< 1	< 1	--	--	--	--	< 10	< 10	< 1	< 1	--	
4-Chlorotoluene	--	< 1	--	< 5	< 50	< 50	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	
4-Methyl-2-Pentanone (MIBK)	--	< 10	--	< 50	< 5	< 5	--	--	< 10	< 10	< 1	< 1	--	--	--	--	< 10	< 10	< 1	< 1	--	
Acetone	--	< 10	--	< 50	< 50	< 50	< 10	< 10	< 10	8.8 J	< 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	--	< 5	< 100	< 100	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20	< 20	
Bromobenzene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
Bromochloromethane	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--	
Bromodichloromethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
Bromoform	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
Bromomethane	--	< 2	--	< 25	< 5	< 5	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	
Carbon Disulfide	--	< 1	--	< 10	< 25	< 25	< 5.0	< 5.0 *	< 1	< 2	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0 *	< 1	< 2	< 5	< 5	< 5.0	
Carbon Tetrachloride	--	< 1	--	< 5	< 10	< 10	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	
Chlorobenzene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	
Chloroethane	--	< 2	--	< 25	< 5	< 5	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	
Chloroform	--	< 1	--	< 5	< 25	< 25	< 5.0	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0 *	< 5.0	< 5.0 *	< 1	< 1	< 5	< 5	< 5.0	
Chloromethane	--	< 2	--	< 5	< 5	< 5	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	
Cis-1,2-Dichloroethene	--	29	--	35	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 Post Remediation

Well ID	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-G19	OLF-G19	OLF-G21	OLF-G21	OLF-G21	OLF-G21	OLF-G21
Cis-1,3-Dichloropropene	--	< 1	--	< 5	30	42	20	14	< 1	< 1	< 1	4.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Dibromochloromethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Dibromomethane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Dichlorodifluoromethane	--	< 2	--	< 5	< 5	< 5	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0
Ethylbenzene	--	< 1	--	< 5	< 5	17	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--
Hexachlorobutadiene	--	< 1	--	< 25	< 5	< 5	< 1.0	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1	< 1.0
Iodomethane	--	< 2	--	--	< 25	< 25	--	--	< 2	--	< 5	< 5	--	--	--	--	< 2	--	< 5	< 5	--
Isopropyl Benzene (Cumene)	--	< 1	--	< 5	< 50	< 50	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10 (UJ)	< 10
m,p-Xylene	--	--	--	< 5	< 5	< 5	--	--	--	< 1	< 1	< 1	--	--	--	--	--	< 1	< 1	< 1	--
Methylene Chloride	--	0.59 J	--	< 25	< 5	< 5	--	--	< 2	< 5	< 1	< 1	--	--	--	--	< 2	< 5	< 1	< 1	--
MTBE	--	< 1	--	< 50	< 25	< 25	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 1	0.3 J	< 5	< 5	< 5.0
Naphthalene	--	< 2	--	< 25	< 50	< 50	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10	< 10
N-Butylbenzene	--	< 1	--	< 5	< 25	< 25	--	--	< 1	< 1	< 5	< 5	--	--	--	--	< 1	< 1	< 5	< 5	--
N-Propylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--
O-Xylene	--	--	--	< 5	< 5	< 5	--	--	--	< 1	< 1	< 1	--	--	--	--	--	< 1	< 1	< 1	--
P-Isopropyltoluene (Cymene)	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--
2-Chlorotoluene	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--
Sec-Butylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--
Styrene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Tert-Butylbenzene	--	< 1	--	< 5	< 5	< 5	--	--	< 1	< 1	< 1	< 1	--	--	--	--	< 1	< 1	< 1	< 1	--
Tetrachloroethylene	--	2.8	--	< 5	< 5	< 5	1.2	1.1 *	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Toluene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Trans-1,2-Dichloroethene	--	12	--	13	11	7.5	9.3	6.6	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Trans-1,3-Dichloropropene	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Trans-1,4-Dichloro-2-Butene	--	< 2	--	--	< 10	< 10	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0
Trichloroethene	--	230	--	240	200	170	110	99	0.59 J	< 1	< 1	52	< 1.0	< 1.0	< 1.0	< 1.0	0.63 J	< 1	< 1	< 1	< 1.0
Trichlorofluoro-methane	--	< 1	--	< 5	< 5	< 5	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0
Vinyl Acetate	--	< 2	--	< 10	< 10	< 10	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0
Vinyl Chloride	--	< 0.8	--	< 5	< 5	< 5	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1	< 1.0
Xylenes (Total)	--	< 3	--	< 5	< 5	< 5	< 1.0	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1	< 1.0
Dissolved Gases (µg/L)																					
Ethane	--	--	--	--	--	--	--	< 1.1	--	--	--	--	--	--			--	--	--	--	--
Ethene	--	--	--	--	--	--	--	< 1.0	--	--	--	--	--	--			--	--	--	--	--
Methane	--	--	--	--	--	--	--	0.54 J	--	--	--	--	--	--			--	--	--	--	--
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 3 Post Remediation

Well ID	OLF-G21	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G24	OLF-G24	OLF-G24
Date	5/27/20	8/9/17	11/15/17	2/19/18	5/22/18	11/27/18	5/9/19	11/19/19	5/27/20	8/9/17	11/14/17	2/16/18	5/21/18	11/15/18	5/8/19	11/18/19	5/28/20	8/9/17	11/14/17	2/19/18
Volatile Organic Compounds (µg/L)																				
1,1,1,2-Tetrachloroethane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	--	< 1	--
1,1,1-Trichloroethane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
1,1,2,2-Tetrachloroethane	< 1.0	--	190	--	140	100	58	59	49	--	260	--	200	230	150	100	96	--	0.29 J	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 1	--	--	< 1	< 1	--	--	--	< 1	--	--	< 5	< 5	--	--	--	< 1	--
1,1,2-Trichloroethane	< 1.0	--	5.3	--	4.1 J	3	2.3	2.5	2	--	6.5	--	5.5	7.7	5.5	3.8	3.1	--	< 1	--
1,1-Dichloroethane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	--	< 1	--
1,1-Dichloroethene	< 1.0	--	0.36 J	--	< 5	< 1	< 1	< 1.0	< 1.0	--	0.53 J	--	0.5 J	< 5	< 5	< 1.0 (UJ)	< 1.0	--	< 1	--
1,1-Dichloropropene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
1,2,3-Trichlorobenzene	--	--	< 1	--	< 25	< 5	< 5	--	--	--	< 1	--	< 5	< 25	< 25	--	--	--	< 1	--
1,2,3-Trichloropropane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
1,2,4-Trichlorobenzene	--	--	< 1	--	< 25	< 5	< 5	--	--	--	< 1	--	< 5	< 25	< 25	--	--	--	< 1	--
1,2,4-Trimethylbenzene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
1,2-Dibromo-3-Chloropropane	< 5.0	--	< 2	--	< 25	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 25	< 25	< 5.0	< 5.0	--	< 2	--
1,2-Dibromoethane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
1,2-Dichlorobenzene	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
1,2-Dichloroethane	< 1.0	--	0.34 J	--	< 5	0.52 J	< 1	0.59 J	< 1.0	--	0.33 J	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	--	< 1	--
1,2-Dichloropropane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
1,3,5-Trimethylbenzene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
1,3-Dichlorobenzene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
1,3-Dichloropropane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
1,4-Dichlorobenzene	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
2,2-Dichloropropane	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
2-Butanone (MEK)	< 10	--	< 10	--	< 50	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 50	< 50	< 10 (UJ)	< 10	--	< 10	--
2-Hexanone	--	--	< 10	--	< 50	< 1	< 1	--	--	--	< 10	--	< 10	< 5	< 5	--	--	--	< 10	--
4-Chlorotoluene	< 10	--	< 1	--	< 5	< 10	< 10	< 10	< 10	--	< 1	--	< 1	< 50	< 50	< 10	< 10	--	< 1	--
4-Methyl-2-Pentanone (MIBK)	--	--	< 10	--	< 50	< 1	< 1	--	--	--	< 10	--	< 10	< 5	< 5	--	--	--	< 10	--
Acetone	< 10	--	< 10	--	< 50	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 50	< 50	< 10	< 10	--	< 10	--
Acrylonitrile	< 10	--	< 10	--	--	< 10	< 10	< 10	< 10	--	< 10	--	--	< 50	< 50	< 10	< 10	--	< 10	--
Benzene	< 20	--	< 1	--	< 5	< 20	< 20	< 20	< 20	--	< 1	--	< 1	< 100	< 100	< 20 (UJ)	< 20	--	< 1	--
Bromobenzene	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	0.53 J (J)	< 1.0	--	< 1	--
Bromochloromethane	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
Bromodichloromethane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	--	< 1	--
Bromoform	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
Bromomethane	< 1.0	--	< 2	--	< 25	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 5	< 5	< 5	< 1.0	< 1.0	--	< 2	--
Carbon Disulfide	< 5.0 *	--	< 1	--	< 10	< 5	< 5	< 5.0	< 5.0 *	--	< 1	--	< 2	< 25	< 25	(UJ)	< 5.0 *	--	< 1	--
Carbon Tetrachloride	< 2.0	--	< 1	--	< 5	< 2	< 2	< 2.0	< 2.0	--	< 1	--	< 1	< 10	< 10	< 2.0	< 2.0	--	< 1	--
Chlorobenzene	< 1.0	--	0.27 J	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	2.5	< 5	< 5	< 1.0	< 1.0	--	< 1	--
Chloroethane	< 1.0	--	< 2	--	< 25 *	3.5	3.4	8.2	7.2	--	< 2	--	< 5	4.4 J	7.5	6.9	9.5	--	< 2	--
Chloroform	< 5.0 *	--	< 1	--	< 5	< 5	< 5	< 5.0	5.4 *	--	< 1	--	< 1	< 25	< 25	< 5.0 (UJ)	7.4 *	--	< 1	--
Chloromethane	< 1.0	--	< 2	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	--	< 2	--
Cis-1,2-Dichloroethene	< 1.0	--	87	--	100	< 1	< 1	< 1.0	< 1.0	--	160	--	140	< 5	< 5	< 1.0 (UJ)	< 1.0	--	< 1	--

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 Post Remediation

Well ID	OLF-G21	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G22	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G23	OLF-G24	OLF-G24	OLF-G24
Cis-1,3-Dichloropropene	< 1.0	--	< 1	--	< 5	59	45	45	40	--	< 1	--	< 1	130	93	39	46	--	< 1	--
Dibromochloromethane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
Dibromomethane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
Dichlorodifluoromethane	< 1.0	--	< 2	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 2	--
Ethylbenzene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
Hexachlorobutadiene	< 1.0	--	< 1	--	< 25	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 5	< 5	< 5	1.2	< 1.0	--	< 1	--
Iodomethane	--	--	< 2	--	--	< 5	< 5	--	--	--	< 2	--	--	< 25	< 25	--	--	--	< 2	--
Isopropyl Benzene (Cumene)	< 10	--	< 1	--	< 5	< 10	< 10 (UJ)	< 10	< 10	--	< 1	--	< 1	< 50	< 50	< 10	< 10	--	< 1	--
m,p-Xylene	--	--	--	--	< 5	< 1	< 1	--	--	--	--	--	< 1	< 5	< 5	--	--	--	--	--
Methylene Chloride	--	--	< 2	--	< 25	< 1	< 1	--	--	--	< 2	--	< 5	< 5	< 5	--	--	--	< 2	--
MTBE	< 5.0	--	< 1	--	< 50	< 5	< 5	< 5.0	< 5.0	--	< 1	--	< 10	20 J	< 25	< 5.0 (UJ)	< 5.0	--	< 1	--
Naphthalene	< 10	--	< 2	--	< 25	< 10	< 10	< 10	< 10	--	< 2	--	< 5	< 50	< 50	< 10 (UJ)	< 10	--	< 2	--
N-Butylbenzene	--	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1	--	< 1	< 25	< 25	--	--	--	< 1	--
N-Propylbenzene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
O-Xylene	--	--	--	--	< 5	< 1	< 1	--	--	--	--	--	< 1	< 5	< 5	--	--	--	--	--
P-Isopropyltoluene (Cymene)	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
2-Chlorotoluene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
Sec-Butylbenzene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
Styrene	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
Tert-Butylbenzene	--	--	< 1	--	< 5	< 1	< 1	--	--	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--
Tetrachloroethylene	< 1.0	--	1.3	--	< 5	1	0.96 J	0.82 J	< 1.0	--	1.4	--	1.3	< 5	< 5	0.76 J (J)	0.74 J	--	< 1	--
Toluene	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	2.1	< 1.0	--	< 1	--
Trans-1,2-Dichloroethene	< 1.0	--	10	--	15	13	9.7	15	11	--	12	--	22	23	30	17	19	--	< 1	--
Trans-1,3-Dichloropropene	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0	< 1.0	--	< 1	--
Trans-1,4-Dichloro-2-Butene	< 2.0	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	--	< 2	--	--	< 10	< 10	< 2.0	< 2.0	--	< 2	--
Trichloroethene	< 1.0	--	180	--	160	110	100	110	110	--	170	--	150	160	150	110	100	--	1.1	--
Trichlorofluoro-methane	< 1.0	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 5	< 5	< 1.0 (UJ)	< 1.0	--	< 1	--
Vinyl Acetate	< 2.0	--	< 2	--	< 10	< 2	< 2	< 2.0	< 2.0	--	< 2	--	< 2	< 10	< 10	< 2.0 (UJ)	< 2.0	--	< 2	--
Vinyl Chloride	< 1.0	--	< 0.8	--	< 5	1.4	0.7 J	1.9	1.2	--	0.51 J	--	2.8	3.2 J	< 5	< 1.0 (UJ)	2.5	--	< 0.8	--
Xylenes (Total)	< 1.0	--	< 3	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 3	--	< 1	< 5	< 5	6.7	< 1.0	--	< 3	--
Dissolved Gases (µg/L)																				
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.79 J	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	960	--	--	--
Metals (mg/L)																				
Sodium	--	6.98	7.02	7.06	6.7	6.9	6.7	--	--	6.44	6.56	6.41	--	5.9	6.2	--	--	1.62	2.18	2.42
General Chemistry (mg/L)																				
Sulfate	--	1.46	1.58	1.43	2.1	1.1	0.8 J F1 F2	--	--	1.49	1.35	1.36	--	0.9 J	0.98 J	--	--	1.01	0.659	0.646
TOC	--	--	0.978 J	--	0.73 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 Post Remediation

Well ID	OLF-G24	OLF-G24	OLF-G24	OLF-G26	OLF-G26	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-G33	OLF-G33	OLF-G33
Date	5/21/18	11/18/19	5/26/20	11/20/19	5/20/20	11/9/17	5/18/18	11/26/18	5/15/19	11/11/19	5/19/20	11/9/17	5/18/18	11/26/18	5/14/19	11/11/19	5/19/20	8/10/17	11/14/17	2/15/18	
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,1,1-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,1,2,2-Tetrachloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	3.4	--	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	--	--	--	< 1	--	< 1	< 1	< 1.0	--	< 1	--	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
1,1,2-Trichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	0.79 J	--	
1,1-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	0.26 J	--	
1,1-Dichloroethene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,1-Dichloropropene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
1,2,3-Trichlorobenzene	< 5	--	--	--	--	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 1	--	
1,2,3-Trichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,2,4-Trichlorobenzene	< 5	--	--	--	--	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 5	< 5	< 5 (UJ)	< 5.0	--	--	< 1	--	
1,2,4-Trimethylbenzene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
1,2-Dibromo-3-Chloropropane	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 5	< 5	< 5 (UJ)	< 5.0	< 5.0	--	< 2	--	
1,2-Dibromoethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,2-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,2-Dichloroethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,2-Dichloropropane	< 1	< 1.0	< 1.0	< 1.0	*	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,3,5-Trimethylbenzene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
1,3-Dichlorobenzene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
1,3-Dichloropropane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
1,4-Dichlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
2,2-Dichloropropane	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0 *	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0 *	--	--	< 1	--	
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10	--	< 10	--	
2-Hexanone	< 10	--	--	--	--	< 10	< 10	< 1	< 1	< 1.0	--	< 10	< 10	< 1	< 1 (UJ)	< 1.0	--	--	< 10	--	
4-Chlorotoluene	< 1	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10 (UJ)	< 10	< 10	--	< 1	--	
4-Methyl-2-Pentanone (MIBK)	< 10	--	--	--	--	< 10	< 10	< 1	< 1	< 1.0	--	< 10	< 10	< 1	< 1 (UJ)	< 1.0	--	--	< 10	--	
Acetone	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10 (UJ)	< 10	< 10 *1	--	< 10	--	
Acrylonitrile	--	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10	< 10	< 10	< 10	--	< 10	< 10 (UJ)	< 10	< 10	--	< 10	--	
Benzene	< 1	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20 (UJ)	< 20	< 20 *1	--	< 1	--	
Bromobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
Bromochloromethane	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
Bromodichloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
Bromoform	< 1	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	--	< 1	--	
Bromomethane	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 2	< 5	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 2	--	
Carbon Disulfide	< 2	< 5.0	< 5.0 *	< 5.0	< 5.0	< 1	< 2	< 5	< 5 (UJ)	< 5.0	< 5.0 *	< 1	< 2	< 5	< 5 (UJ)	< 5.0	< 5.0	--	< 1	--	
Carbon Tetrachloride	< 1	< 2.0	< 2.0	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 1	< 1	< 2	< 2 (UJ)	< 2.0	< 2.0	--	< 1	--	
Chlorobenzene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
Chloroethane	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 2	< 5	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 2	--	
Chloroform	< 1	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0	< 1	< 1	< 5	< 5 (UJ)	< 5.0	< 5.0	--	< 1	--	
Chloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 2	--	
Cis-1,2-Dichloroethene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	12	--	

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 Post Remediation

Well ID	OLF-G24	OLF-G24	OLF-G24	OLF-G26	OLF-G26	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-G33	OLF-G33	OLF-G33
Cis-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	(UB)	< 1	< 1	< 1	< 1	0.49 J	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	1.5	--	< 1	--	
Dibromochloromethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	--	< 1	--	
Dibromomethane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	--	< 1	--	
Dichlorodifluoromethane	< 1	< 1.0	< 1.0	< 1.0	*1	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *1 *	--	0.38 J	--	
Ethylbenzene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
Hexachlorobutadiene	< 5	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1	< 5	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
Iodomethane	--	--	--	--	--	< 2	--	< 5	< 5	< 5.0	--	< 2	--	< 5	< 5 (UJ)	< 5.0	--	--	< 2	--	
Isopropyl Benzene (Cumene)	< 1	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10 (UJ)	< 10	< 10	--	< 1	--	
m,p-Xylene	< 1	--	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	--	--	--	
Methylene Chloride	< 5	--	--	--	--	< 2	< 5	< 1	< 1	< 1.0	--	< 2	< 5	< 1	< 1 (UJ)	< 1.0	--	--	< 2	--	
MTBE	< 10	< 5.0	< 5.0	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 1	< 10	< 5	< 5 (UJ)	< 5.0	< 5.0	--	< 1	--	
Naphthalene	< 5	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10 (UJ)	< 10	< 10	--	< 2	--	
N-Butylbenzene	< 1	--	--	--	--	< 1	< 1	< 5	< 5	< 5.0	--	< 1	< 1	< 5	< 5 (UJ)	< 5.0	--	--	< 1	--	
N-Propylbenzene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
O-Xylene	< 1	--	--	--	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1 (UJ)	< 1.0	--	--	--	--	
P-Isopropyltoluene (Cymene)	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
2-Chlorotoluene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
Sec-Butylbenzene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
Styrene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
Tert-Butylbenzene	< 1	--	--	--	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1 (UJ)	< 1.0	--	--	< 1	--	
Tetrachloroethylene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	--	0.59 J	--	
Toluene	< 1	< 1.0	< 1.0	< 1.0	*	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *1	--	< 1	--	
Trans-1,2-Dichloroethene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	0.38 J	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	2.7	--	
Trans-1,3-Dichloropropene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0 *	--	< 1	--	
Trans-1,4-Dichloro-2-Butene	--	< 2.0	< 2.0	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2	--	< 2	< 2 (UJ)	< 2.0	< 2.0	--	< 2	--	
Trichloroethene	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	0.57 J	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	74	--	
Trichlorofluoro-methane	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 1	--	
Vinyl Acetate	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2 (UJ)	< 2.0	< 2.0	--	< 2	--	
Vinyl Chloride	< 1	< 1.0	< 1.0	1	< 1.0	< 0.8	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 0.8	--	
Xylenes (Total)	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 3	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0	--	< 3	--	
Dissolved Gases (µg/L)																					
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Metals (mg/L)																					
Sodium	< 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.45	2.49	2.91
General Chemistry (mg/L)																					
Sulfate	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.954	1.14	1.42
TOC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 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-G36	OLF-G36	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	8/10/17	11/15/17	2/19/18	5/30/18	11/19/18	5/9/19	
Volatile Organic Compounds (µg/L)																						
1,1,1,2-Tetrachloroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,1,1-Trichloroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 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	--	0.33 J	--	< 1	< 1	1.4	
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	< 1	--	--	< 1	--	< 1	--	--	< 1	< 1	--	--	--	< 1	--	--	< 1	< 1	
1,1,2-Trichloroethane	0.69 J	0.56 J	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,1-Dichloroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,1-Dichloroethene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,1-Dichloropropene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
1,2,3-Trichlorobenzene	< 5	< 5	--	< 1	--	< 5	< 5	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1	--	< 5	< 5	< 5	
1,2,3-Trichloropropane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,2,4-Trichlorobenzene	< 5	< 5	--	< 1	--	< 5	< 5	--	< 1	--	< 5	< 5	< 5	--	--	--	< 1	--	< 5	< 5	< 5	
1,2,4-Trimethylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
1,2-Dibromo-3-Chloropropane	< 5	< 5	--	< 2	--	< 5	< 5	--	< 2	--	< 5	< 5	< 5	< 5.0	< 5.0	--	< 2	--	< 5	< 5	< 5	
1,2-Dibromoethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,2-Dichlorobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,2-Dichloroethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,2-Dichloropropane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,3,5-Trimethylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
1,3-Dichlorobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
1,3-Dichloropropane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
1,4-Dichlorobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
2,2-Dichloropropane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
2-Butanone (MEK)	< 10	< 10	--	< 10	--	< 10	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	--	< 10	--	< 10	< 10	< 10	
2-Hexanone	< 10	< 1	--	< 10	--	< 10	< 1	--	< 10	--	< 10	< 1	< 1	--	--	--	< 10	--	< 10	< 1	< 1	
4-Chlorotoluene	< 1	< 10	--	< 1	--	< 1	< 10	--	< 1	--	< 1	< 10	< 10	< 10	< 10	--	< 1	--	< 1	< 10	< 10	
4-Methyl-2-Pentanone (MIBK)	< 10	< 1	--	< 10	--	< 10	< 1	--	< 10	--	< 10	< 1	< 1	--	--	--	< 10	--	< 10	< 1	< 1	
Acetone	< 10	< 10	--	< 10	--	16	< 10	--	< 10	--	< 10	< 10	< 10	< 10	< 10	--	< 10	--	20	< 10	< 10	
Acrylonitrile	--	< 10	--	< 10	--	--	< 10	--	< 10	--	--	< 10	< 10	< 10	< 10	--	< 10	--	--	< 10	< 10	
Benzene	< 1	< 20	--	< 1	--	< 1	< 20	--	< 1	--	< 1	< 20	< 20	< 20	< 20	--	< 1	--	< 1	< 20	< 20	
Bromobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Bromochloromethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
Bromodichloromethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Bromoform	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Bromomethane	< 5	< 1	--	< 2	--	< 5	< 1	--	< 2	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 5	< 1	< 1	
Carbon Disulfide	< 2	< 5	--	< 1	--	< 2	< 5	--	< 1	--	< 2	< 5	< 5	< 5.0	< 5.0 *	--	< 1	--	< 2	< 5	< 5	
Carbon Tetrachloride	< 1	< 2	--	< 1	--	< 1	< 2	--	< 1	--	< 1	< 2	< 2	< 2.0	< 2.0	--	< 1	--	< 1	< 2	< 2	
Chlorobenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Chloroethane	< 5	< 1	--	< 2	--	< 5	< 1	--	< 2	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 5	< 1	< 1	
Chloroform	< 1	< 5	--	< 1	--	< 1	< 5	--	< 1	--	< 1	< 5	< 5	< 5.0	< 5.0	--	< 1	--	< 1	< 5	< 5	
Chloromethane	< 1	< 1	--	< 2	--	< 1	< 1	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 1	< 1	< 1	
Cis-1,2-Dichloroethene	13	< 1	--	< 1	--	0.41 J	< 1	--	< 1	--	2.2	< 1	< 1	< 1.0	< 1.0	--	0.25 J	--	< 1	< 1	< 1	

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 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-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36	OLF-G36
Cis-1,3-Dichloropropene	< 1	8.2	--	< 1	--	< 1	< 1	--	< 1	--	< 1	2.9	0.58 J	0.41 J	0.46 J	--	< 1	--	< 1	< 1	< 1	
Dibromochloromethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Dibromomethane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Dichlorodifluoromethane	< 1	< 1	--	< 2	--	< 1	< 1	--	< 2	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 2	--	< 1	< 1	< 1	
Ethylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1
Hexachlorobutadiene	< 5	< 1	--	< 1	--	< 5	< 1	--	< 1	--	< 5	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 5	< 1	< 1	
Iodomethane	--	< 5	--	< 2	--	--	< 5	--	< 2	--	--	< 5	< 5	--	--	--	< 2	--	--	< 5	< 5	
Isopropyl Benzene (Cumene)	< 1	< 10	--	< 1	--	< 1	< 10	--	< 1	--	< 1	< 10	< 10	< 10	< 10	--	< 1	--	< 1	< 10	< 10 (UJ)	
m,p-Xylene	< 1	< 1	--	--	--	< 1	< 1	--	--	--	< 1	< 1	< 1	--	--	--	--	--	< 1	< 1	< 1	
Methylene Chloride	< 5	< 1	--	< 2	--	< 5	< 1	--	< 2	--	< 5	< 1	< 1	--	--	--	< 2	--	< 5	< 1	< 1	
MTBE	< 10	< 5	--	< 1	--	< 10	< 5	--	< 1	--	< 10	< 5	< 5	< 5.0	< 5.0	--	< 1	--	< 10	< 5	< 5	
Naphthalene	< 5	< 10	--	< 2	--	< 5	< 10	--	< 2	--	< 5	< 10	< 10	< 10	< 10	--	< 2	--	< 5	< 10	< 10	
N-Butylbenzene	< 1	< 5	--	< 1	--	< 1	< 5	--	< 1	--	< 1	< 5	< 5	--	--	--	< 1	--	< 1	< 5	< 5	
N-Propylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1
O-Xylene	< 1	< 1	--	--	--	< 1	< 1	--	--	--	< 1	< 1	< 1	--	--	--	--	--	< 1	< 1	< 1	
P-Isopropyltoluene (Cymene)	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
2-Chlorotoluene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
Sec-Butylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
Styrene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Tert-Butylbenzene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	--	--	--	< 1	--	< 1	< 1	< 1	
Tetrachloroethylene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Toluene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	0.48 J	--	< 1	--	< 1	< 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	--	< 1	< 1	< 1	
Trans-1,3-Dichloropropene	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Trans-1,4-Dichloro-2-Butene	--	< 2	--	< 2	--	--	< 2	--	< 2	--	--	< 2	< 2	< 2.0	< 2.0	--	< 2	--	--	< 2	< 2	
Trichloroethene	89	97	--	2.8	--	2.3	1.2	--	1.4	--	9.3	11	4.7	0.64 J	< 1.0	--	4	--	1.3	0.61 J	0.61 J	
Trichlorofluoro-methane	< 1	< 1	--	< 1	--	< 1	< 1	--	< 1	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 1	--	< 1	< 1	< 1	
Vinyl Acetate	< 2	< 2	--	< 2	--	< 2	< 2	--	< 2	--	< 2	< 2	< 2	< 2.0	< 2.0	--	< 2	--	< 2	< 2	< 2	
Vinyl Chloride	< 1	< 1	--	< 0.8	--	< 1	< 1	--	< 0.8	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 0.8	--	< 1	< 1	< 1	
Xylenes (Total)	< 1	< 1	--	< 3	--	< 1	< 1	--	< 3	--	< 1	< 1	< 1	< 1.0	< 1.0	--	< 3	--	< 1	< 1	< 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	3.3	3.6	
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	14	13	

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 Post Remediation

Well ID	OLF-G36	OLF-G36	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G49	OLF-G49	OLF-G50	OLF-G50	OLF-G51
Date	11/19/19	05/27/20	11/14/17	5/22/18	11/28/18	5/9/19	11/18/19	5/26/20	11/14/17	5/22/18	11/15/18	5/8/19	11/18/19	5/26/20	11/13/19	5/20/20	11/13/19	5/20/20	11/13/19
Volatile Organic Compounds (µg/L)																			
1,1,1,2-Tetrachloroethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0
1,1,2,2-Tetrachloroethane	1.2	< 1.0	2	1.9	1.9	2.3	1.3	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	13	18	2.5
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	--	< 1	--	< 1	< 1	--	--	< 1	--	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
1,1,2-Trichloroethane	< 1.0	< 1.0	0.38 J	< 1	0.4 J	0.35 J	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	0.57 J	0.57 J	< 1.0
1,1-Dichloroethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
1,2,3-Trichlorobenzene	--	--	< 1	< 5	< 5	< 5	--	--	< 1	< 5	< 5	< 5	--	--	< 5.0	--	< 5.0	--	< 5.0
1,2,3-Trichloropropane	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 5	< 5	< 5	--	--	< 1	< 5	< 5	< 5	--	--	< 5.0	--	< 5.0	--	< 5.0
1,2,4-Trimethylbenzene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
1,2-Dibromo-3-Chloropropane	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 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	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1 *	< 1.0
1,3,5-Trimethylbenzene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
1,3-Dichlorobenzene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
1,3-Dichloropropane	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
2-Butanone (MEK)	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
2-Hexanone	--	--	< 10	< 10	< 1	< 1	--	--	< 10	< 10	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
4-Chlorotoluene	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10 *	< 10	< 10	< 10
4-Methyl-2-Pentanone (MIBK)	--	--	< 10	< 10	< 1	< 1	--	--	< 10	< 10	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
Acetone	< 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
Benzene	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Bromobenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	0.55 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
Bromodichloromethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0
Bromomethane	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Carbon Disulfide	< 5.0	< 5.0 *	< 1	< 2	< 5	< 5	< 5.0	< 5.0 *	< 1	< 2	< 5	< 5	< 5.0 *	< 5.0 *	< 5.0	< 5.0 *	< 5.0	< 5.0	< 5.0
Carbon Tetrachloride	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Chlorobenzene	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	< 5.0	< 5.0 *	< 1	< 1	< 5	< 5	< 5.0	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Chloromethane	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 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	< 1.0	< 1.0	4.2	4.2	< 1	< 1	< 1.0	< 1.0	0.97 J	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 3 Post Remediation

Well ID	OLF-G36	OLF-G36	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G47	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G48	OLF-G49	OLF-G49	OLF-G50	OLF-G50	OLF-G51
Cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1	< 1	4.6	3.7	3.3	< 1.0	< 1	< 1	1.1	< 1	0.80 J	0.87 J	< 1.0	< 1.0	5.1	5.1	1.8
Dibromochloromethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1	< 1.0
Dibromomethane	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Dichlorodifluoromethane	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 **1	< 1.0
Ethylbenzene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
Hexachlorobutadiene	< 1.0	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1	< 5	< 1	< 1	1.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Iodomethane	--	--	< 2	--	< 5	< 5	--	--	< 2	--	< 5	< 5	--	--	< 5.0	--	< 5.0	--	< 5.0
Isopropyl Benzene (Cumene)	< 10	< 10	< 1	< 1	< 10	< 10 (UJ)	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
m,p-Xylene	--	--	--	< 1	< 1	< 1	--	--	--	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
Methylene Chloride	--	--	< 2	< 5	< 1	< 1	--	--	< 2	< 5	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
MTBE	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
N-Butylbenzene	--	--	< 1	< 1	< 5	< 5	--	--	< 1	< 1	< 5	< 5	--	--	< 5.0	--	< 5.0	--	< 5.0
N-Propylbenzene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
O-Xylene	--	--	--	< 1	< 1	< 1	--	--	--	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
P-Isopropyltoluene (Cymene)	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
2-Chlorotoluene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
Sec-Butylbenzene	--	--	< 1	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
Styrene	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 1	< 1	< 1	--	--	< 1	< 1	< 1	< 1	--	--	< 1.0	--	< 1.0	--	< 1.0
Tetrachloroethylene	< 1.0	< 1.0	< 1	< 1	< 1	< 1	0.75 J	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	2.5	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0 *1 *	< 1.0
Trans-1,2-Dichloroethene	< 1.0	< 1.0	1.2	1.3	1.3	1.1	0.89 J	< 1.0	0.25 J	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	1.3	1.1	0.44 J
Trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 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	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Trichloroethene	< 1.0	< 1.0	29	32	34	34	24	1.8	3.5	3.9	3.8	1.2	3.9	4.3	< 1.0	< 1.0	53	59	14
Trichlorofluoro-methane	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Acetate	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
Vinyl Chloride	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1	< 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)	< 1.0	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 3	< 1	< 1	< 1	8.4	< 1.0	< 1.0	< 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	--	--	--	--	--	< 1	--	--	--	--	--	--	--	--	--

Footnotes on last page.

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 Post Remediation

Well ID	OLF-G51	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70
Date	5/20/20	11/8/17	5/21/18	11/20/18	5/9/19	11/11/19	5/19/20	11/8/17	5/21/18	11/26/18	5/15/19	11/18/19	5/19/20
Volatile Organic Compounds (µg/L)													
1,1,1,2-Tetrachloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,1,1-Trichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,1,2,2-Tetrachloroethane	0.89 J	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	< 1	--	< 1	< 1	< 1.0	--	< 1	--	< 1	< 1	--	--
1,1,2-Trichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloroethene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,1-Dichloropropene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
1,2,3-Trichlorobenzene	--	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 5	< 5	< 5	--	--
1,2,3-Trichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,2,4-Trichlorobenzene	--	< 1	< 5	< 5	< 5	< 5.0	--	< 1	< 5	< 5	< 5	--	--
1,2,4-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
1,2-Dibromo-3-Chloropropane	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0	< 2	< 5	< 5	< 5	< 5.0	< 5.0
1,2-Dibromoethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichloroethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,2-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,3,5-Trimethylbenzene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
1,3-Dichlorobenzene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
1,3-Dichloropropane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
1,4-Dichlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
2,2-Dichloropropane	--	< 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
2-Hexanone	--	< 10	< 10	< 1	< 1	< 1.0	--	< 10	< 10	< 1	< 1	--	--
4-Chlorotoluene	< 10 *	< 1	< 1	< 10	< 10	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10
4-Methyl-2-Pentanone (MIBK)	--	< 10	< 10	< 1	< 1	< 1.0	--	< 10	< 10	< 1	< 1	--	--
Acetone	< 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
Benzene	< 20	< 1	< 1	< 20	< 20	< 20	< 20	< 1	< 1	< 20	< 20	< 20	< 20
Bromobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Bromochloromethane	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
Bromodichloromethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Bromoform	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Bromomethane	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0
Carbon Disulfide	< 5.0 *	< 1	< 2	< 5	< 5	< 5.0	< 5.0	< 1	< 2	< 5	< 5 (UJ)	< 5.0 *	< 5.0 **1
Carbon Tetrachloride	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0	< 1	< 1	< 2	< 2	< 2.0	< 2.0
Chlorobenzene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Chloroethane	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0	< 2	< 5	< 1	< 1	< 1.0	< 1.0
Chloroform	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0	< 1	< 1	< 5	< 5	< 5.0	< 5.0 *
Chloromethane	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0
Cis-1,2-Dichloroethene	< 1.0	1.6	1.7	< 1	< 1	< 1.0	< 1.0	1.7	1.4	< 1	< 1	< 1.0	< 1.0

Table D.2: Off-Site Groundwater Analytical Results Year 1 - Year 3 Post Remediation

Well ID	OLF-G51	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G52	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70	OLF-G70
Cis-1,3-Dichloropropene	0.44 J	< 1	< 1	1.3	1.2	1.4	2.1	< 1	< 1	1.8	1.4	1.5	2.3
Dibromochloromethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Dibromomethane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Dichlorodifluoromethane	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0	< 2	< 1	< 1	< 1	< 1.0	< 1.0
Ethylbenzene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
Hexachlorobutadiene	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0	< 1	< 5	< 1	< 1	< 1.0	< 1.0
Iodomethane	--	< 2	--	< 5	< 5	< 5.0	--	< 2	--	< 5	< 5	--	--
Isopropyl Benzene (Cumene)	< 10	< 1	< 1	< 10	< 10 (UJ)	< 10	< 10	< 1	< 1	< 10	< 10	< 10	< 10
m,p-Xylene	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	--	--
Methylene Chloride	--	< 2	< 5	< 1	< 1	< 1.0	--	< 2	< 5	< 1	< 1	--	--
MTBE	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0	< 1	< 10	< 5	< 5	< 5.0	< 5.0
Naphthalene	< 10	< 2	< 5	< 10	< 10	< 10	< 10	< 2	< 5	< 10	< 10	< 10	< 10
N-Butylbenzene	--	< 1	< 1	< 5	< 5	< 5.0	--	< 1	< 1	< 5	< 5	--	--
N-Propylbenzene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
O-Xylene	--	--	< 1	< 1	< 1	< 1.0	--	--	< 1	< 1	< 1	--	--
P-Isopropyltoluene (Cymene)	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
2-Chlorotoluene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
Sec-Butylbenzene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
Styrene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Tert-Butylbenzene	--	< 1	< 1	< 1	< 1	< 1.0	--	< 1	< 1	< 1	< 1	--	--
Tetrachloroethylene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Toluene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,2-Dichloroethene	< 1.0	0.36 J	0.48 J	0.56 J	< 1	0.44 J	0.58 J	0.42 J	0.48 J	0.57 J	< 1	< 1.0	0.55 J
Trans-1,3-Dichloropropene	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Trans-1,4-Dichloro-2-Butene	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0	< 2	--	< 2	< 2	< 2.0	< 2.0
Trichloroethene	3.2	6.7	7.7	8.7	5.9	6.6	9.7	7.4	8.2	8.1	9.3	6.8	12
Trichlorofluoro-methane	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0	< 1	< 1	< 1	< 1	< 1.0	< 1.0
Vinyl Acetate	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0	< 2	< 2	< 2	< 2	< 2.0	< 2.0
Vinyl Chloride	< 1.0	< 0.8	< 1	< 1	< 1	< 1.0	< 1.0	< 0.8	< 1	< 1	< 1 (UJ)	< 1.0	< 1.0
Xylenes (Total)	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0	< 3	< 1	< 1	< 1	< 1.0	< 1.0
Dissolved Gases (µg/L)													
Ethane	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethene	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (mg/L)													
Sodium	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (mg/L)													
Sulfate	--	--	--	--	--	--	--	--	--	--	--	--	--
TOC	--	--	< 1	--	--	--	--	--	< 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.

UJ = Reporting limit is estimated based on data validation.

Appendix D
Laboratory Reports

ANALYTICAL REPORT

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

Laboratory Job ID: 680-176985-1
Client Project/Site: Parcel 80(6), Landfill 3

For:
Matrix Environmental Services, LLC
1601 Blake Street
Suite 200
Denver, Colorado 80202

Attn: Ms. Betty Van Pelt



Authorized for release by:
12/4/2019 2:12:14 PM

Jon Lawhon, Project Manager I
(912)250-0283
jon.lawhon@testamericainc.com

LINKS

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 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: 680-176985-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
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.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Sample Summary

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

Job ID: 680-176985-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-176985-1	OLF-G31	Water	11/11/19 13:30	11/15/19 09:40	
680-176985-2	OLF-G32	Water	11/11/19 11:55	11/15/19 09:40	
680-176985-3	OLF-G49	Water	11/13/19 15:31	11/15/19 09:40	
680-176985-4	OLF-G50	Water	11/13/19 13:51	11/15/19 09:40	
680-176985-5	OLF-G51	Water	11/13/19 11:26	11/15/19 09:40	
680-176985-6	OLF-G52	Water	11/11/19 15:55	11/15/19 09:40	
680-176985-7	PPMP-229-GP12	Water	11/13/19 16:15	11/15/19 09:40	
680-176985-8	OLF-G71 Port 1	Water	11/12/19 10:30	11/15/19 09:40	
680-176985-9	OLF-G71 Port 2	Water	11/12/19 10:50	11/15/19 09:40	
680-176985-10	OLF-G71 Port 3	Water	11/12/19 11:20	11/15/19 09:40	
680-176985-11	OLF-G71 Port 4	Water	11/12/19 11:45	11/15/19 09:40	
680-176985-12	OLF-G71 Port 5	Water	11/12/19 12:05	11/15/19 09:40	
680-176985-13	OLF-G75 Screen 1	Water	11/13/19 12:20	11/15/19 09:40	
680-176985-14	OLF-G75 Screen 2	Water	11/13/19 10:55	11/15/19 09:40	
680-176985-15	OLF-G75 Screen 3	Water	11/13/19 09:20	11/15/19 09:40	
680-176985-16	OLF-G75 Screen 4	Water	11/12/19 15:30	11/15/19 09:40	
680-176985-17	OLF-G75 Screen 5	Water	11/12/19 14:00	11/15/19 09:40	
680-176985-18	OLF-G75 Screen 6	Water	11/12/19 11:00	11/15/19 09:40	
680-176985-19	TB543	Water	11/14/19 09:00	11/15/19 09:40	
680-176985-20	DUP335	Water	11/11/19 00:00	11/15/19 09:40	
680-176985-21	OLF-G73 Port 1	Water	11/11/19 14:30	11/15/19 09:40	
680-176985-22	OLF-G73 Port 2	Water	11/11/19 14:50	11/15/19 09:40	
680-176985-23	OLF-G73 Port 3	Water	11/11/19 15:10	11/15/19 09:40	
680-176985-24	OLF-G73 Port 4	Water	11/11/19 15:30	11/15/19 09:40	
680-176985-25	OLF-G73 Port 5	Water	11/11/19 15:50	11/15/19 09:40	

Case Narrative

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

Job ID: 680-176985-1

Job ID: 680-176985-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE

Client: Matrix Environmental Services, LLC

Project: Parcel 80(6), Landfill 3

Report Number: 680-176985-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/15/2019 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.9° C and 3.5° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples OLF-G31 (680-176985-1), OLF-G32 (680-176985-2), OLF-G49 (680-176985-3), OLF-G50 (680-176985-4), OLF-G51 (680-176985-5), OLF-G52 (680-176985-6), PPMP-229-GP12 (680-176985-7), OLF-G71 Port 1 (680-176985-8), OLF-G71 Port 2 (680-176985-9), OLF-G71 Port 3 (680-176985-10), OLF-G71 Port 4 (680-176985-11), OLF-G71 Port 5 (680-176985-12), OLF-G75 Screen 1 (680-176985-13), OLF-G75 Screen 2 (680-176985-14), OLF-G75 Screen 3 (680-176985-15), OLF-G75 Screen 4 (680-176985-16), OLF-G75 Screen 5 (680-176985-17), OLF-G75 Screen 6 (680-176985-18), TB543 (680-176985-19), DUP335 (680-176985-20), OLF-G73 Port 1 (680-176985-21), OLF-G73 Port 2 (680-176985-22), OLF-G73 Port 3 (680-176985-23), OLF-G73 Port 4 (680-176985-24) and OLF-G73 Port 5 (680-176985-25) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/21/2019, 11/23/2019, 11/25/2019, 11/26/2019 and 12/03/2019.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-597216.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-597216 recovered outside control limits for the following analytes: 2,2-Dichloropropane. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-597626 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 matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 680-597626 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-597773.

Method 8260B: The method blank for 680-598045 contained Carbon disulfide and Naphthalene above the 1/2RL. 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.

Methods 8260B, 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated

Case Narrative

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

Job ID: 680-176985-1

Job ID: 680-176985-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

with analytical batch 680-598045.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-598866 recovered outside control limits for the following analyte(s): Bromomethane and 2-Hexanone. 2-Hexanone and Carbon disulfide 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 (LCS) for analytical batch 680-598866 recovered outside control limits for the following analytes: Bromobenzene and Tetrachloroethylene. 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 680-598866 recovered outside control limits for the following analyte(s): 2-Hexanone, 4-Methyl-2-pentanone and Bromomethane. 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: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-598866.

Method 8260B: The following sample was analyzed outside of analytical holding time due to lab error: DUP335 (680-176985-20).

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

DISSOLVED GASES

Samples OLF-G73 Port 1 (680-176985-21), OLF-G73 Port 2 (680-176985-22), OLF-G73 Port 3 (680-176985-23), OLF-G73 Port 4 (680-176985-24) and OLF-G73 Port 5 (680-176985-25) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 11/25/2019.

Method RSK-175: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-597746 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 have been reported and qualified.

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

TOTAL ORGANIC CARBON

Samples OLF-G73 Port 1 (680-176985-21), OLF-G73 Port 2 (680-176985-22), OLF-G73 Port 3 (680-176985-23), OLF-G73 Port 4 (680-176985-24) and OLF-G73 Port 5 (680-176985-25) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 11/20/2019.

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

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G31

Lab Sample ID: 680-176985-1

Date Collected: 11/11/19 13:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 21:50	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 21:50	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 21:50	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 21:50	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 21:50	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 21:50	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 21:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 21:50	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 21:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 21:50	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 21:50	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/21/19 21:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 21:50	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 21:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 21:50	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 21:50	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 21:50	1
cis-1,2-Dichloroethene	0.49	J	1.0	0.41	ug/L			11/21/19 21:50	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 21:50	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 21:50	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 21:50	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 21:50	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 21:50	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 21:50	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 21:50	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 21:50	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 21:50	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 21:50	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 21:50	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 21:50	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 21:50	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 21:50	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 21:50	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 21:50	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 21:50	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 21:50	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 21:50	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 21:50	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 21:50	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 21:50	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 21:50	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 21:50	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 21:50	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 21:50	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 21:50	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 21:50	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 21:50	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 21:50	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 21:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G31

Lab Sample ID: 680-176985-1

Date Collected: 11/11/19 13:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 21:50	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 21:50	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 21:50	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 21:50	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 21:50	1
Toluene	0.48	U	1.0	0.48	ug/L			11/21/19 21:50	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 21:50	1
trans-1,2-Dichloroethene	0.38	J	1.0	0.37	ug/L			11/21/19 21:50	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 21:50	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 21:50	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 21:50	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 21:50	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 21:50	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/21/19 21:50	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 21:50	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 21:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 21:50	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 21:50	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 21:50	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 21:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 21:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		11/21/19 21:50	1
Dibromofluoromethane (Surr)	105		80 - 122		11/21/19 21:50	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		11/21/19 21:50	1
Toluene-d8 (Surr)	108		80 - 120		11/21/19 21:50	1

Client Sample ID: OLF-G32

Lab Sample ID: 680-176985-2

Date Collected: 11/11/19 11:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 17:41	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 17:41	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 17:41	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 17:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 17:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 17:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 17:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 17:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 17:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 17:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 17:41	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/21/19 17:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 17:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 17:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 17:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-176985-2

Date Collected: 11/11/19 11:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 17:41	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 17:41	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/21/19 17:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 17:41	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 17:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 17:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 17:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 17:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 17:41	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 17:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 17:41	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 17:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 17:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 17:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 17:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 17:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 17:41	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 17:41	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 17:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 17:41	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 17:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 17:41	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 17:41	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 17:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 17:41	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 17:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 17:41	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 17:41	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 17:41	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 17:41	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 17:41	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 17:41	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 17:41	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 17:41	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 17:41	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 17:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 17:41	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 17:41	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 17:41	1
Toluene	0.48	U	1.0	0.48	ug/L			11/21/19 17:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 17:41	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/21/19 17:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 17:41	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 17:41	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 17:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 17:41	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 17:41	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/21/19 17:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 17:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-176985-2

Date Collected: 11/11/19 11:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 17:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 17:41	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 17:41	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 17:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 17:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 17:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		11/21/19 17:41	1
Dibromofluoromethane (Surr)	104		80 - 122		11/21/19 17:41	1
1,2-Dichloroethane-d4 (Surr)	91		73 - 131		11/21/19 17:41	1
Toluene-d8 (Surr)	107		80 - 120		11/21/19 17:41	1

Client Sample ID: OLF-G49

Lab Sample ID: 680-176985-3

Date Collected: 11/13/19 15:31

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 17:03	1
Acrylonitrile	10	U	20	10	ug/L			11/25/19 17:03	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/19 17:03	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/19 17:03	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/19 17:03	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/19 17:03	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/19 17:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/19 17:03	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/19 17:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/19 17:03	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/19 17:03	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/19 17:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/19 17:03	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/19 17:03	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/19 17:03	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/25/19 17:03	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/19 17:03	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/19 17:03	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/19 17:03	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/19 17:03	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/19 17:03	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/19 17:03	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/19 17:03	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/19 17:03	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/19 17:03	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/19 17:03	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/19 17:03	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/19 17:03	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/19 17:03	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/19 17:03	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G49

Lab Sample ID: 680-176985-3

Date Collected: 11/13/19 15:31

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 17:03	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/19 17:03	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/19 17:03	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/19 17:03	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/19 17:03	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/19 17:03	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/19 17:03	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/19 17:03	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/19 17:03	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/19 17:03	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/25/19 17:03	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/19 17:03	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/19 17:03	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/19 17:03	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 17:03	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/19 17:03	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/19 17:03	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/19 17:03	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/19 17:03	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/19 17:03	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/19 17:03	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 17:03	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/19 17:03	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/19 17:03	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/19 17:03	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/19 17:03	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/19 17:03	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/19 17:03	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 17:03	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 17:03	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 17:03	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/19 17:03	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/19 17:03	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/19 17:03	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/19 17:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/19 17:03	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 17:03	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/19 17:03	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/19 17:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/19 17:03	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/19 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		11/25/19 17:03	1
Dibromofluoromethane (Surr)	99		80 - 122		11/25/19 17:03	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/25/19 17:03	1
Toluene-d8 (Surr)	106		80 - 120		11/25/19 17:03	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-176985-4

Date Collected: 11/13/19 13:51

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 17:28	1
Acrylonitrile	10	U	20	10	ug/L			11/25/19 17:28	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/19 17:28	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/19 17:28	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/19 17:28	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/19 17:28	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/19 17:28	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/19 17:28	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/19 17:28	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/19 17:28	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/19 17:28	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/19 17:28	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/19 17:28	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/19 17:28	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/19 17:28	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/25/19 17:28	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/19 17:28	1
cis-1,2-Dichloroethene	5.1		1.0	0.41	ug/L			11/25/19 17:28	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/19 17:28	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/19 17:28	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/19 17:28	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/19 17:28	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/19 17:28	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/19 17:28	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/19 17:28	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/19 17:28	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/19 17:28	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/19 17:28	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/19 17:28	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/19 17:28	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/19 17:28	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/19 17:28	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/19 17:28	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/19 17:28	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/19 17:28	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/19 17:28	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/19 17:28	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/19 17:28	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/19 17:28	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/19 17:28	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/25/19 17:28	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/19 17:28	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/19 17:28	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/19 17:28	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 17:28	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/19 17:28	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/19 17:28	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/19 17:28	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/19 17:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-176985-4

Date Collected: 11/13/19 13:51

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 17:28	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/19 17:28	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 17:28	1
1,1,2,2-Tetrachloroethane	13		1.0	0.62	ug/L			11/25/19 17:28	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/19 17:28	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/19 17:28	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/19 17:28	1
trans-1,2-Dichloroethene	1.3		1.0	0.37	ug/L			11/25/19 17:28	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/19 17:28	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 17:28	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 17:28	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 17:28	1
1,1,2-Trichloroethane	0.57	J	1.0	0.33	ug/L			11/25/19 17:28	1
Trichloroethene	53		1.0	0.48	ug/L			11/25/19 17:28	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/19 17:28	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/19 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/19 17:28	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 17:28	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/19 17:28	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/19 17:28	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/19 17:28	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/19 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		11/25/19 17:28	1
Dibromofluoromethane (Surr)	99		80 - 122		11/25/19 17:28	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/25/19 17:28	1
Toluene-d8 (Surr)	107		80 - 120		11/25/19 17:28	1

Client Sample ID: OLF-G51

Lab Sample ID: 680-176985-5

Date Collected: 11/13/19 11:26

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 17:52	1
Acrylonitrile	10	U	20	10	ug/L			11/25/19 17:52	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/19 17:52	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/19 17:52	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/19 17:52	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/19 17:52	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/19 17:52	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/19 17:52	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/19 17:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/19 17:52	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/19 17:52	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/19 17:52	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/19 17:52	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/19 17:52	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/19 17:52	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G51

Lab Sample ID: 680-176985-5

Date Collected: 11/13/19 11:26

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 17:52	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/19 17:52	1
cis-1,2-Dichloroethene	1.8		1.0	0.41	ug/L			11/25/19 17:52	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/19 17:52	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/19 17:52	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/19 17:52	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/19 17:52	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/19 17:52	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/19 17:52	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/19 17:52	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/19 17:52	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/19 17:52	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/19 17:52	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/19 17:52	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/19 17:52	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/19 17:52	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/19 17:52	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/19 17:52	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/19 17:52	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/19 17:52	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/19 17:52	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/19 17:52	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/19 17:52	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/19 17:52	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/19 17:52	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/25/19 17:52	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/19 17:52	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/19 17:52	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/19 17:52	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 17:52	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/19 17:52	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/19 17:52	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/19 17:52	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/19 17:52	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/19 17:52	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/19 17:52	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 17:52	1
1,1,2,2-Tetrachloroethane	2.5		1.0	0.62	ug/L			11/25/19 17:52	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/19 17:52	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/19 17:52	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/19 17:52	1
trans-1,2-Dichloroethene	0.44	J	1.0	0.37	ug/L			11/25/19 17:52	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/19 17:52	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 17:52	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 17:52	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 17:52	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/19 17:52	1
Trichloroethene	14		1.0	0.48	ug/L			11/25/19 17:52	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/19 17:52	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G51

Date Collected: 11/13/19 11:26

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-5

Matrix: Water

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			11/25/19 17:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/19 17:52	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 17:52	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/19 17:52	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/19 17:52	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/19 17:52	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/19 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/25/19 17:52	1
Dibromofluoromethane (Surr)	101		80 - 122		11/25/19 17:52	1
1,2-Dichloroethane-d4 (Surr)	90		73 - 131		11/25/19 17:52	1
Toluene-d8 (Surr)	105		80 - 120		11/25/19 17:52	1

Client Sample ID: OLF-G52

Date Collected: 11/11/19 15:55

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-6

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			11/21/19 18:06	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 18:06	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 18:06	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 18:06	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 18:06	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 18:06	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 18:06	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 18:06	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 18:06	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 18:06	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 18:06	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/21/19 18:06	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 18:06	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 18:06	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 18:06	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 18:06	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 18:06	1
cis-1,2-Dichloroethene	1.4		1.0	0.41	ug/L			11/21/19 18:06	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 18:06	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 18:06	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 18:06	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 18:06	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 18:06	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 18:06	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 18:06	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 18:06	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 18:06	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 18:06	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 18:06	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 18:06	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-176985-6

Date Collected: 11/11/19 15:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 18:06	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 18:06	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 18:06	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 18:06	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 18:06	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 18:06	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 18:06	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 18:06	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 18:06	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 18:06	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 18:06	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 18:06	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 18:06	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 18:06	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 18:06	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 18:06	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 18:06	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 18:06	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 18:06	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 18:06	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 18:06	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 18:06	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 18:06	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 18:06	1
Toluene	0.48	U	1.0	0.48	ug/L			11/21/19 18:06	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 18:06	1
trans-1,2-Dichloroethene	0.44	J	1.0	0.37	ug/L			11/21/19 18:06	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 18:06	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 18:06	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 18:06	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 18:06	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 18:06	1
Trichloroethene	6.6		1.0	0.48	ug/L			11/21/19 18:06	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 18:06	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 18:06	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 18:06	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 18:06	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 18:06	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 18:06	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		11/21/19 18:06	1
Dibromofluoromethane (Surr)	101		80 - 122		11/21/19 18:06	1
1,2-Dichloroethane-d4 (Surr)	87		73 - 131		11/21/19 18:06	1
Toluene-d8 (Surr)	106		80 - 120		11/21/19 18:06	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-176985-7

Date Collected: 11/13/19 16:15

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 18:16	1
Acrylonitrile	10	U	20	10	ug/L			11/25/19 18:16	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/19 18:16	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/19 18:16	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/19 18:16	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/19 18:16	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/19 18:16	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/19 18:16	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/19 18:16	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/19 18:16	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/19 18:16	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/19 18:16	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/19 18:16	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/19 18:16	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/19 18:16	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/25/19 18:16	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/19 18:16	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/19 18:16	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/19 18:16	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/19 18:16	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/19 18:16	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/19 18:16	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/19 18:16	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/19 18:16	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/19 18:16	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/19 18:16	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/19 18:16	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/19 18:16	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/19 18:16	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/19 18:16	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/19 18:16	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/19 18:16	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/19 18:16	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/19 18:16	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/19 18:16	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/19 18:16	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/19 18:16	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/19 18:16	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/19 18:16	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/19 18:16	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/25/19 18:16	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/19 18:16	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/19 18:16	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/19 18:16	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 18:16	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/19 18:16	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/19 18:16	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/19 18:16	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/19 18:16	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-176985-7

Date Collected: 11/13/19 16:15

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 18:16	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/19 18:16	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 18:16	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/19 18:16	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/19 18:16	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/19 18:16	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/19 18:16	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/19 18:16	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/19 18:16	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 18:16	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 18:16	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 18:16	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/19 18:16	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/19 18:16	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/19 18:16	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/19 18:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/19 18:16	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 18:16	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/19 18:16	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/19 18:16	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/19 18:16	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/19 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		11/25/19 18:16	1
Dibromofluoromethane (Surr)	114		80 - 122		11/25/19 18:16	1
1,2-Dichloroethane-d4 (Surr)	108		73 - 131		11/25/19 18:16	1
Toluene-d8 (Surr)	107		80 - 120		11/25/19 18:16	1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-176985-8

Date Collected: 11/12/19 10:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 18:45	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 18:45	1
Benzene	0.69	J	1.0	0.43	ug/L			11/23/19 18:45	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 18:45	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 18:45	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 18:45	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 18:45	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 18:45	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 18:45	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 18:45	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 18:45	1
Chlorobenzene	3.9		1.0	0.26	ug/L			11/23/19 18:45	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 18:45	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 18:45	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 18:45	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-176985-8

Date Collected: 11/12/19 10:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 18:45	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 18:45	1
cis-1,2-Dichloroethene	110		1.0	0.41	ug/L			11/23/19 18:45	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 18:45	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 18:45	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 18:45	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 18:45	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 18:45	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 18:45	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 18:45	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 18:45	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 18:45	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 18:45	1
1,2-Dichloroethane	0.70	J	1.0	0.50	ug/L			11/23/19 18:45	1
1,1-Dichloroethene	0.69	J	1.0	0.36	ug/L			11/23/19 18:45	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 18:45	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 18:45	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 18:45	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 18:45	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 18:45	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 18:45	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 18:45	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 18:45	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 18:45	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 18:45	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 18:45	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 18:45	1
m-Xylene & p-Xylene	0.50	J	1.0	0.35	ug/L			11/23/19 18:45	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 18:45	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 18:45	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 18:45	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 18:45	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 18:45	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 18:45	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 18:45	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 18:45	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 18:45	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 18:45	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 18:45	1
Toluene	0.84	J	1.0	0.48	ug/L			11/23/19 18:45	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 18:45	1
trans-1,2-Dichloroethene	14		1.0	0.37	ug/L			11/23/19 18:45	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 18:45	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 18:45	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 18:45	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 18:45	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 18:45	1
Trichloroethene	43		1.0	0.48	ug/L			11/23/19 18:45	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 18:45	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-176985-8

Date Collected: 11/12/19 10:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 18:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 18:45	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 18:45	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 18:45	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 18:45	1
Vinyl chloride	4.7		1.0	0.50	ug/L			11/23/19 18:45	1
Xylenes, Total	0.50	J	1.0	0.23	ug/L			11/23/19 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/23/19 18:45	1
Dibromofluoromethane (Surr)	102		80 - 122		11/23/19 18:45	1
1,2-Dichloroethane-d4 (Surr)	94		73 - 131		11/23/19 18:45	1
Toluene-d8 (Surr)	105		80 - 120		11/23/19 18:45	1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-176985-9

Date Collected: 11/12/19 10:50

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 19:09	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 19:09	1
Benzene	0.49	J	1.0	0.43	ug/L			11/23/19 19:09	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 19:09	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 19:09	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 19:09	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 19:09	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 19:09	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 19:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 19:09	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 19:09	1
Chlorobenzene	1.4		1.0	0.26	ug/L			11/23/19 19:09	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 19:09	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 19:09	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 19:09	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 19:09	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 19:09	1
cis-1,2-Dichloroethene	39		1.0	0.41	ug/L			11/23/19 19:09	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 19:09	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 19:09	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 19:09	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 19:09	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 19:09	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 19:09	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 19:09	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 19:09	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 19:09	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 19:09	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 19:09	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 19:09	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-176985-9

Date Collected: 11/12/19 10:50

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 19:09	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 19:09	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 19:09	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 19:09	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 19:09	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 19:09	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 19:09	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 19:09	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 19:09	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 19:09	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 19:09	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 19:09	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 19:09	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 19:09	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 19:09	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 19:09	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 19:09	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 19:09	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 19:09	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 19:09	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 19:09	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 19:09	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 19:09	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 19:09	1
Toluene	1.0		1.0	0.48	ug/L			11/23/19 19:09	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 19:09	1
trans-1,2-Dichloroethene	2.8		1.0	0.37	ug/L			11/23/19 19:09	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 19:09	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 19:09	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 19:09	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 19:09	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 19:09	1
Trichloroethene	5.3		1.0	0.48	ug/L			11/23/19 19:09	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 19:09	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 19:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 19:09	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 19:09	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 19:09	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 19:09	1
Vinyl chloride	1.9		1.0	0.50	ug/L			11/23/19 19:09	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/23/19 19:09	1
Dibromofluoromethane (Surr)	104		80 - 122		11/23/19 19:09	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		11/23/19 19:09	1
Toluene-d8 (Surr)	106		80 - 120		11/23/19 19:09	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-176985-10

Date Collected: 11/12/19 11:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 19:34	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 19:34	1
Benzene	0.46	J	1.0	0.43	ug/L			11/23/19 19:34	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 19:34	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 19:34	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 19:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 19:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 19:34	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 19:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 19:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 19:34	1
Chlorobenzene	1.7		1.0	0.26	ug/L			11/23/19 19:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 19:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 19:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 19:34	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 19:34	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 19:34	1
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L			11/23/19 19:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 19:34	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 19:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 19:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 19:34	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 19:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 19:34	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 19:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 19:34	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 19:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 19:34	1
1,2-Dichloroethane	0.50	J	1.0	0.50	ug/L			11/23/19 19:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 19:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 19:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 19:34	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 19:34	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 19:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 19:34	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 19:34	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 19:34	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 19:34	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 19:34	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 19:34	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 19:34	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 19:34	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 19:34	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 19:34	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 19:34	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 19:34	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 19:34	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 19:34	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 19:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-176985-10

Date Collected: 11/12/19 11:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 19:34	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 19:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 19:34	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 19:34	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 19:34	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/19 19:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 19:34	1
trans-1,2-Dichloroethene	3.5		1.0	0.37	ug/L			11/23/19 19:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 19:34	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 19:34	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 19:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 19:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 19:34	1
Trichloroethene	33		1.0	0.48	ug/L			11/23/19 19:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 19:34	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 19:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 19:34	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 19:34	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 19:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 19:34	1
Vinyl chloride	2.6		1.0	0.50	ug/L			11/23/19 19:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/23/19 19:34	1
Dibromofluoromethane (Surr)	97		80 - 122		11/23/19 19:34	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/23/19 19:34	1
Toluene-d8 (Surr)	92		80 - 120		11/23/19 19:34	1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-176985-11

Date Collected: 11/12/19 11:45

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 19:58	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 19:58	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 19:58	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 19:58	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 19:58	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 19:58	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 19:58	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 19:58	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 19:58	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 19:58	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 19:58	1
Chlorobenzene	1.1		1.0	0.26	ug/L			11/23/19 19:58	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 19:58	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 19:58	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 19:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-176985-11

Date Collected: 11/12/19 11:45

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 19:58	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 19:58	1
cis-1,2-Dichloroethene	17		1.0	0.41	ug/L			11/23/19 19:58	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 19:58	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 19:58	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 19:58	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 19:58	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 19:58	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 19:58	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 19:58	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 19:58	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 19:58	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 19:58	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 19:58	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 19:58	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 19:58	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 19:58	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 19:58	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 19:58	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 19:58	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 19:58	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 19:58	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 19:58	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 19:58	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 19:58	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 19:58	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 19:58	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 19:58	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 19:58	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 19:58	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 19:58	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 19:58	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 19:58	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 19:58	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 19:58	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 19:58	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 19:58	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 19:58	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 19:58	1
Toluene	1.0		1.0	0.48	ug/L			11/23/19 19:58	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 19:58	1
trans-1,2-Dichloroethene	0.74 J		1.0	0.37	ug/L			11/23/19 19:58	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 19:58	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 19:58	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 19:58	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 19:58	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 19:58	1
Trichloroethene	3.2		1.0	0.48	ug/L			11/23/19 19:58	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 19:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-176985-11

Date Collected: 11/12/19 11:45

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 19:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 19:58	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 19:58	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 19:58	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 19:58	1
Vinyl chloride	0.90	J	1.0	0.50	ug/L			11/23/19 19:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 19:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/23/19 19:58	1
Dibromofluoromethane (Surr)	99		80 - 122		11/23/19 19:58	1
1,2-Dichloroethane-d4 (Surr)	94		73 - 131		11/23/19 19:58	1
Toluene-d8 (Surr)	94		80 - 120		11/23/19 19:58	1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-176985-12

Date Collected: 11/12/19 12:05

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 20:22	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 20:22	1
Benzene	0.74	J	1.0	0.43	ug/L			11/23/19 20:22	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 20:22	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 20:22	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 20:22	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 20:22	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 20:22	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 20:22	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 20:22	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 20:22	1
Chlorobenzene	0.63	J	1.0	0.26	ug/L			11/23/19 20:22	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 20:22	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 20:22	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 20:22	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 20:22	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 20:22	1
cis-1,2-Dichloroethene	5.6		1.0	0.41	ug/L			11/23/19 20:22	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 20:22	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 20:22	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 20:22	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 20:22	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 20:22	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 20:22	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 20:22	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 20:22	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 20:22	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 20:22	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 20:22	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 20:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-176985-12

Date Collected: 11/12/19 12:05

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 20:22	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 20:22	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 20:22	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 20:22	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 20:22	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 20:22	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 20:22	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 20:22	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 20:22	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 20:22	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 20:22	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 20:22	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 20:22	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 20:22	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 20:22	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 20:22	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 20:22	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 20:22	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 20:22	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 20:22	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 20:22	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 20:22	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 20:22	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 20:22	1
Toluene	1.6		1.0	0.48	ug/L			11/23/19 20:22	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 20:22	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/19 20:22	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 20:22	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 20:22	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 20:22	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 20:22	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 20:22	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/19 20:22	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 20:22	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 20:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 20:22	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 20:22	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 20:22	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 20:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 20:22	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/23/19 20:22	1
Dibromofluoromethane (Surr)	97		80 - 122		11/23/19 20:22	1
1,2-Dichloroethane-d4 (Surr)	87		73 - 131		11/23/19 20:22	1
Toluene-d8 (Surr)	91		80 - 120		11/23/19 20:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-176985-13

Date Collected: 11/13/19 12:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 18:40	1
Acrylonitrile	10	U	20	10	ug/L			11/25/19 18:40	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/19 18:40	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/19 18:40	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/19 18:40	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/19 18:40	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/19 18:40	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/19 18:40	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/19 18:40	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/19 18:40	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/19 18:40	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/19 18:40	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/19 18:40	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/19 18:40	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/19 18:40	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/25/19 18:40	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/19 18:40	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/19 18:40	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/19 18:40	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/19 18:40	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/19 18:40	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/19 18:40	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/19 18:40	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/19 18:40	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/19 18:40	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/19 18:40	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/19 18:40	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/19 18:40	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/19 18:40	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/19 18:40	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/19 18:40	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/19 18:40	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/19 18:40	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/19 18:40	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/19 18:40	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/19 18:40	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/19 18:40	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/19 18:40	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/19 18:40	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/19 18:40	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/25/19 18:40	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/19 18:40	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/19 18:40	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/19 18:40	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 18:40	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/19 18:40	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/19 18:40	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/19 18:40	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/19 18:40	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-176985-13

Date Collected: 11/13/19 12:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 18:40	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/19 18:40	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 18:40	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/19 18:40	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/19 18:40	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/19 18:40	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/19 18:40	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/19 18:40	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/19 18:40	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 18:40	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 18:40	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 18:40	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/19 18:40	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/19 18:40	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/19 18:40	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/19 18:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/19 18:40	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 18:40	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/19 18:40	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/19 18:40	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/19 18:40	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/19 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/25/19 18:40	1
Dibromofluoromethane (Surr)	109		80 - 122		11/25/19 18:40	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131		11/25/19 18:40	1
Toluene-d8 (Surr)	110		80 - 120		11/25/19 18:40	1

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-176985-14

Date Collected: 11/13/19 10:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 19:04	1
Acrylonitrile	10	U	20	10	ug/L			11/25/19 19:04	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/19 19:04	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/19 19:04	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/19 19:04	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/19 19:04	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/19 19:04	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/19 19:04	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/19 19:04	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/19 19:04	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/19 19:04	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/19 19:04	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/19 19:04	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/19 19:04	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/19 19:04	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-176985-14

Date Collected: 11/13/19 10:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 19:04	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/19 19:04	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/19 19:04	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/19 19:04	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/19 19:04	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/19 19:04	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/19 19:04	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/19 19:04	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/19 19:04	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/19 19:04	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/19 19:04	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/19 19:04	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/19 19:04	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/19 19:04	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/19 19:04	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/19 19:04	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/19 19:04	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/19 19:04	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/19 19:04	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/19 19:04	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/19 19:04	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/19 19:04	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/19 19:04	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/19 19:04	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/19 19:04	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/25/19 19:04	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/19 19:04	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/19 19:04	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/19 19:04	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 19:04	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/19 19:04	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/19 19:04	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/19 19:04	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/19 19:04	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/19 19:04	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/19 19:04	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 19:04	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/19 19:04	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/19 19:04	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/19 19:04	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/19 19:04	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/19 19:04	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/19 19:04	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 19:04	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 19:04	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 19:04	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/19 19:04	1
Trichloroethene	0.79	J	1.0	0.48	ug/L			11/25/19 19:04	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/19 19:04	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-176985-14

Date Collected: 11/13/19 10:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 19:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/19 19:04	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 19:04	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/19 19:04	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/19 19:04	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/19 19:04	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/19 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/25/19 19:04	1
Dibromofluoromethane (Surr)	108		80 - 122		11/25/19 19:04	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		11/25/19 19:04	1
Toluene-d8 (Surr)	100		80 - 120		11/25/19 19:04	1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-176985-15

Date Collected: 11/13/19 09:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 19:29	1
Acrylonitrile	10	U	20	10	ug/L			11/25/19 19:29	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/19 19:29	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/19 19:29	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/19 19:29	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/19 19:29	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/19 19:29	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/19 19:29	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/19 19:29	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/19 19:29	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/19 19:29	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/19 19:29	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/19 19:29	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/19 19:29	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/19 19:29	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/25/19 19:29	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/19 19:29	1
cis-1,2-Dichloroethene	0.54	J	1.0	0.41	ug/L			11/25/19 19:29	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/19 19:29	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/19 19:29	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/19 19:29	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/19 19:29	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/19 19:29	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/19 19:29	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/19 19:29	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/19 19:29	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/19 19:29	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/19 19:29	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/19 19:29	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/19 19:29	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-176985-15

Date Collected: 11/13/19 09:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/25/19 19:29	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/25/19 19:29	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/19 19:29	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/19 19:29	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/19 19:29	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/19 19:29	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/19 19:29	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/19 19:29	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/19 19:29	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/19 19:29	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/25/19 19:29	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/19 19:29	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/19 19:29	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/19 19:29	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 19:29	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/19 19:29	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/19 19:29	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/19 19:29	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/19 19:29	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/19 19:29	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/19 19:29	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 19:29	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/19 19:29	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/19 19:29	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/19 19:29	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/19 19:29	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/19 19:29	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/19 19:29	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 19:29	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 19:29	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 19:29	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/19 19:29	1
Trichloroethene	4.0		1.0	0.48	ug/L			11/25/19 19:29	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/19 19:29	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/19 19:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/19 19:29	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 19:29	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/19 19:29	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/19 19:29	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/19 19:29	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/19 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/25/19 19:29	1
Dibromofluoromethane (Surr)	97		80 - 122		11/25/19 19:29	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/25/19 19:29	1
Toluene-d8 (Surr)	92		80 - 120		11/25/19 19:29	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-176985-16

Date Collected: 11/12/19 15:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 20:47	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 20:47	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 20:47	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 20:47	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 20:47	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 20:47	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 20:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 20:47	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 20:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 20:47	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 20:47	1
Chlorobenzene	0.46	J	1.0	0.26	ug/L			11/23/19 20:47	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 20:47	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 20:47	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 20:47	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 20:47	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 20:47	1
cis-1,2-Dichloroethene	0.80	J	1.0	0.41	ug/L			11/23/19 20:47	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 20:47	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 20:47	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 20:47	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 20:47	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 20:47	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 20:47	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 20:47	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 20:47	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 20:47	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 20:47	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 20:47	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 20:47	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 20:47	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 20:47	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 20:47	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 20:47	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 20:47	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 20:47	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 20:47	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 20:47	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 20:47	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 20:47	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 20:47	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 20:47	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 20:47	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 20:47	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 20:47	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 20:47	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 20:47	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 20:47	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 20:47	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-176985-16

Date Collected: 11/12/19 15:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 20:47	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 20:47	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 20:47	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 20:47	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 20:47	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/19 20:47	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 20:47	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/19 20:47	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 20:47	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 20:47	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 20:47	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 20:47	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 20:47	1
Trichloroethene	6.3		1.0	0.48	ug/L			11/23/19 20:47	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 20:47	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 20:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 20:47	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 20:47	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 20:47	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 20:47	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 20:47	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/23/19 20:47	1
Dibromofluoromethane (Surr)	106		80 - 122		11/23/19 20:47	1
1,2-Dichloroethane-d4 (Surr)	94		73 - 131		11/23/19 20:47	1
Toluene-d8 (Surr)	107		80 - 120		11/23/19 20:47	1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-176985-17

Date Collected: 11/12/19 14:00

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 21:11	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 21:11	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 21:11	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 21:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 21:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 21:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 21:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 21:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 21:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 21:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 21:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/19 21:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 21:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 21:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 21:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-176985-17

Date Collected: 11/12/19 14:00

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 21:11	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 21:11	1
cis-1,2-Dichloroethene	1.1		1.0	0.41	ug/L			11/23/19 21:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 21:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 21:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 21:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 21:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 21:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 21:11	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 21:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 21:11	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 21:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 21:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 21:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 21:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 21:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 21:11	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 21:11	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 21:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 21:11	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 21:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 21:11	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 21:11	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 21:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 21:11	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 21:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 21:11	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 21:11	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 21:11	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 21:11	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 21:11	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 21:11	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 21:11	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 21:11	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 21:11	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 21:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 21:11	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 21:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 21:11	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/19 21:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 21:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/19 21:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 21:11	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 21:11	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 21:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 21:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 21:11	1
Trichloroethene	8.8		1.0	0.48	ug/L			11/23/19 21:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 21:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-176985-17

Date Collected: 11/12/19 14:00

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 21:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 21:11	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 21:11	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 21:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 21:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 21:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 21:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		11/23/19 21:11	1
Dibromofluoromethane (Surr)	99		80 - 122		11/23/19 21:11	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/23/19 21:11	1
Toluene-d8 (Surr)	106		80 - 120		11/23/19 21:11	1

Client Sample ID: OLF-G75 Screen 6

Lab Sample ID: 680-176985-18

Date Collected: 11/12/19 11:00

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 21:35	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 21:35	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 21:35	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 21:35	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 21:35	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 21:35	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 21:35	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 21:35	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 21:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 21:35	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 21:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/19 21:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 21:35	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 21:35	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 21:35	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 21:35	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 21:35	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/19 21:35	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 21:35	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 21:35	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 21:35	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 21:35	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 21:35	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 21:35	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 21:35	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 21:35	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 21:35	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 21:35	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 21:35	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 21:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 6

Lab Sample ID: 680-176985-18

Date Collected: 11/12/19 11:00

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 21:35	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 21:35	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 21:35	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 21:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 21:35	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 21:35	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 21:35	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 21:35	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 21:35	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 21:35	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 21:35	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 21:35	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 21:35	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 21:35	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 21:35	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 21:35	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 21:35	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 21:35	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 21:35	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 21:35	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 21:35	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 21:35	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 21:35	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 21:35	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/19 21:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 21:35	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/19 21:35	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 21:35	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 21:35	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 21:35	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 21:35	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 21:35	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/19 21:35	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 21:35	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 21:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 21:35	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 21:35	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 21:35	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 21:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 21:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		11/23/19 21:35	1
Dibromofluoromethane (Surr)	98		80 - 122		11/23/19 21:35	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/23/19 21:35	1
Toluene-d8 (Surr)	91		80 - 120		11/23/19 21:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: TB543

Lab Sample ID: 680-176985-19

Date Collected: 11/14/19 09:00

Matrix: Water

Date Received: 11/15/19 09:40

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			11/26/19 18:21	1
Acrylonitrile	10	U	20	10	ug/L			11/26/19 18:21	1
Benzene	0.43	U	1.0	0.43	ug/L			11/26/19 18:21	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/26/19 18:21	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/26/19 18:21	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/26/19 18:21	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/26/19 18:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/26/19 18:21	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/26/19 18:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/26/19 18:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/26/19 18:21	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/26/19 18:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/26/19 18:21	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/26/19 18:21	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/26/19 18:21	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/26/19 18:21	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/26/19 18:21	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/26/19 18:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/26/19 18:21	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/26/19 18:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/26/19 18:21	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/26/19 18:21	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/26/19 18:21	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/26/19 18:21	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/26/19 18:21	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/26/19 18:21	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/26/19 18:21	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/26/19 18:21	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/26/19 18:21	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/26/19 18:21	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/26/19 18:21	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/26/19 18:21	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/26/19 18:21	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/26/19 18:21	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/26/19 18:21	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/26/19 18:21	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/26/19 18:21	1
Iodomethane	5.0	U	10	5.0	ug/L			11/26/19 18:21	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/26/19 18:21	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/26/19 18:21	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/26/19 18:21	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/26/19 18:21	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/26/19 18:21	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/26/19 18:21	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/26/19 18:21	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/26/19 18:21	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/26/19 18:21	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/26/19 18:21	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/26/19 18:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: TB543

Date Collected: 11/14/19 09:00

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-19

Matrix: Water

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			11/26/19 18:21	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/26/19 18:21	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/26/19 18:21	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/26/19 18:21	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/26/19 18:21	1
Toluene	0.48	U	1.0	0.48	ug/L			11/26/19 18:21	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/26/19 18:21	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/26/19 18:21	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/26/19 18:21	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/26/19 18:21	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/26/19 18:21	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/26/19 18:21	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/26/19 18:21	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/26/19 18:21	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/26/19 18:21	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/26/19 18:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/26/19 18:21	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/26/19 18:21	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/26/19 18:21	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/26/19 18:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/26/19 18:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/26/19 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		11/26/19 18:21	1
Dibromofluoromethane (Surr)	102		80 - 122		11/26/19 18:21	1
1,2-Dichloroethane-d4 (Surr)	87		73 - 131		11/26/19 18:21	1
Toluene-d8 (Surr)	105		80 - 120		11/26/19 18:21	1

Client Sample ID: DUP335

Date Collected: 11/11/19 00:00

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U H	10	7.0	ug/L			12/03/19 17:00	1
Acrylonitrile	10	U H	20	10	ug/L			12/03/19 17:00	1
Benzene	0.43	U H	1.0	0.43	ug/L			12/03/19 17:00	1
Bromobenzene	0.50	U H *	1.0	0.50	ug/L			12/03/19 17:00	1
Bromochloromethane	0.45	U H	1.0	0.45	ug/L			12/03/19 17:00	1
Bromodichloromethane	0.44	U H	1.0	0.44	ug/L			12/03/19 17:00	1
Bromoform	0.43	U H	1.0	0.43	ug/L			12/03/19 17:00	1
Bromomethane	2.5	U H *	5.0	2.5	ug/L			12/03/19 17:00	1
2-Butanone (MEK)	3.4	U H	10	3.4	ug/L			12/03/19 17:00	1
Carbon disulfide	1.0	U H	2.0	1.0	ug/L			12/03/19 17:00	1
Carbon tetrachloride	0.33	U H	1.0	0.33	ug/L			12/03/19 17:00	1
Chlorobenzene	0.26	U H	1.0	0.26	ug/L			12/03/19 17:00	1
Chloroethane	2.5	U H	5.0	2.5	ug/L			12/03/19 17:00	1
Chloroform	0.50	U H	1.0	0.50	ug/L			12/03/19 17:00	1
Chloromethane	0.40	U H	1.0	0.40	ug/L			12/03/19 17:00	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: DUP335

Lab Sample ID: 680-176985-20

Date Collected: 11/11/19 00:00

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	0.27	U H	1.0	0.27	ug/L			12/03/19 17:00	1
4-Chlorotoluene	0.45	U H	1.0	0.45	ug/L			12/03/19 17:00	1
cis-1,2-Dichloroethene	1.1	H	1.0	0.41	ug/L			12/03/19 17:00	1
cis-1,3-Dichloropropene	0.40	U H	1.0	0.40	ug/L			12/03/19 17:00	1
Dibromochloromethane	0.32	U H	1.0	0.32	ug/L			12/03/19 17:00	1
1,2-Dibromo-3-Chloropropane	1.1	U H	5.0	1.1	ug/L			12/03/19 17:00	1
1,2-Dibromoethane	0.44	U H	1.0	0.44	ug/L			12/03/19 17:00	1
Dibromomethane	0.35	U H	1.0	0.35	ug/L			12/03/19 17:00	1
1,2-Dichlorobenzene	0.37	U H	1.0	0.37	ug/L			12/03/19 17:00	1
1,3-Dichlorobenzene	0.43	U H	1.0	0.43	ug/L			12/03/19 17:00	1
1,4-Dichlorobenzene	0.46	U H	1.0	0.46	ug/L			12/03/19 17:00	1
Dichlorodifluoromethane	0.60	U H	1.0	0.60	ug/L			12/03/19 17:00	1
1,1-Dichloroethane	0.38	U H	1.0	0.38	ug/L			12/03/19 17:00	1
1,2-Dichloroethane	0.50	U H	1.0	0.50	ug/L			12/03/19 17:00	1
1,1-Dichloroethene	0.36	U H	1.0	0.36	ug/L			12/03/19 17:00	1
1,2-Dichloropropane	0.67	U H	1.0	0.67	ug/L			12/03/19 17:00	1
1,3-Dichloropropane	0.34	U H	1.0	0.34	ug/L			12/03/19 17:00	1
2,2-Dichloropropane	0.37	U H	1.0	0.37	ug/L			12/03/19 17:00	1
1,1-Dichloropropene	0.34	U H	1.0	0.34	ug/L			12/03/19 17:00	1
Ethylbenzene	0.33	U H	1.0	0.33	ug/L			12/03/19 17:00	1
Hexachlorobutadiene	2.5	U H	5.0	2.5	ug/L			12/03/19 17:00	1
2-Hexanone	2.0	U H *	10	2.0	ug/L			12/03/19 17:00	1
Iodomethane	5.0	U H	10	5.0	ug/L			12/03/19 17:00	1
Isopropylbenzene	0.35	U H	1.0	0.35	ug/L			12/03/19 17:00	1
Methylene Chloride	2.5	U H	5.0	2.5	ug/L			12/03/19 17:00	1
4-Methyl-2-pentanone	2.1	U H *	10	2.1	ug/L			12/03/19 17:00	1
Methyl tert-butyl ether	0.30	U H	10	0.30	ug/L			12/03/19 17:00	1
m-Xylene & p-Xylene	0.35	U H	1.0	0.35	ug/L			12/03/19 17:00	1
Naphthalene	2.5	U H	5.0	2.5	ug/L			12/03/19 17:00	1
n-Butylbenzene	0.47	U H	1.0	0.47	ug/L			12/03/19 17:00	1
N-Propylbenzene	0.38	U H	1.0	0.38	ug/L			12/03/19 17:00	1
o-Xylene	0.23	U H	1.0	0.23	ug/L			12/03/19 17:00	1
p-Isopropyltoluene	0.48	U H	1.0	0.48	ug/L			12/03/19 17:00	1
sec-Butylbenzene	0.42	U H	1.0	0.42	ug/L			12/03/19 17:00	1
Styrene	0.27	U H	1.0	0.27	ug/L			12/03/19 17:00	1
tert-Butylbenzene	0.45	U H	1.0	0.45	ug/L			12/03/19 17:00	1
1,1,1,2-Tetrachloroethane	0.37	U H	1.0	0.37	ug/L			12/03/19 17:00	1
1,1,2,2-Tetrachloroethane	0.62	U H	1.0	0.62	ug/L			12/03/19 17:00	1
Tetrachloroethylene	0.74	U H *	1.0	0.74	ug/L			12/03/19 17:00	1
Toluene	0.48	U H	1.0	0.48	ug/L			12/03/19 17:00	1
trans-1,4-Dichloro-2-butene	0.51	U H	2.0	0.51	ug/L			12/03/19 17:00	1
trans-1,2-Dichloroethene	0.37	U H	1.0	0.37	ug/L			12/03/19 17:00	1
trans-1,3-Dichloropropene	0.42	U H	1.0	0.42	ug/L			12/03/19 17:00	1
1,2,3-Trichlorobenzene	2.5	U H	5.0	2.5	ug/L			12/03/19 17:00	1
1,2,4-Trichlorobenzene	2.5	U H	5.0	2.5	ug/L			12/03/19 17:00	1
1,1,1-Trichloroethane	0.37	U H	1.0	0.37	ug/L			12/03/19 17:00	1
1,1,2-Trichloroethane	0.33	U H	1.0	0.33	ug/L			12/03/19 17:00	1
Trichloroethene	7.7	H	1.0	0.48	ug/L			12/03/19 17:00	1
Trichlorofluoromethane	0.42	U H	1.0	0.42	ug/L			12/03/19 17:00	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: DUP335

Lab Sample ID: 680-176985-20

Date Collected: 11/11/19 00:00

Matrix: Water

Date Received: 11/15/19 09:40

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 H	1.0	0.39	ug/L			12/03/19 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U H	1.0	0.36	ug/L			12/03/19 17:00	1
1,2,4-Trimethylbenzene	0.47	U H	1.0	0.47	ug/L			12/03/19 17:00	1
1,3,5-Trimethylbenzene	0.31	U H	1.0	0.31	ug/L			12/03/19 17:00	1
Vinyl acetate	0.81	U H	2.0	0.81	ug/L			12/03/19 17:00	1
Vinyl chloride	0.50	U H	1.0	0.50	ug/L			12/03/19 17:00	1
Xylenes, Total	0.23	U H	1.0	0.23	ug/L			12/03/19 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		80 - 120		12/03/19 17:00	1
Dibromofluoromethane (Surr)	108		80 - 122		12/03/19 17:00	1
1,2-Dichloroethane-d4 (Surr)	75		73 - 131		12/03/19 17:00	1
Toluene-d8 (Surr)	115		80 - 120		12/03/19 17:00	1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-176985-21

Date Collected: 11/11/19 14:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 18:31	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 18:31	1
Benzene	0.67	J	1.0	0.43	ug/L			11/21/19 18:31	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 18:31	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 18:31	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 18:31	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 18:31	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 18:31	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 18:31	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 18:31	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 18:31	1
Chlorobenzene	61		1.0	0.26	ug/L			11/21/19 18:31	1
Chloroethane	7.8		5.0	2.5	ug/L			11/21/19 18:31	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 18:31	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 18:31	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 18:31	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 18:31	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/21/19 18:31	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 18:31	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 18:31	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 18:31	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 18:31	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 18:31	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 18:31	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 18:31	1
1,4-Dichlorobenzene	0.64	J	1.0	0.46	ug/L			11/21/19 18:31	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 18:31	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 18:31	1
1,2-Dichloroethane	1.1		1.0	0.50	ug/L			11/21/19 18:31	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 18:31	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-176985-21

Date Collected: 11/11/19 14:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 18:31	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 18:31	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 18:31	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 18:31	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 18:31	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 18:31	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 18:31	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 18:31	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 18:31	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 18:31	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 18:31	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 18:31	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 18:31	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 18:31	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 18:31	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 18:31	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 18:31	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 18:31	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 18:31	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 18:31	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 18:31	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 18:31	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 18:31	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 18:31	1
Toluene	2.7		1.0	0.48	ug/L			11/21/19 18:31	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 18:31	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/21/19 18:31	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 18:31	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 18:31	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 18:31	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 18:31	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 18:31	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/21/19 18:31	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 18:31	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 18:31	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 18:31	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 18:31	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 18:31	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 18:31	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		11/21/19 18:31	1
Dibromofluoromethane (Surr)	102		80 - 122		11/21/19 18:31	1
1,2-Dichloroethane-d4 (Surr)	88		73 - 131		11/21/19 18:31	1
Toluene-d8 (Surr)	106		80 - 120		11/21/19 18:31	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 1

Date Collected: 11/11/19 14:30

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-21

Matrix: Water

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			11/25/19 12:48	1
Ethylene	2.4		1.0	0.50	ug/L			11/25/19 12:48	1
Methane	190		0.58	0.29	ug/L			11/25/19 12:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	5.1		1.0	0.50	mg/L			11/20/19 01:53	1
Total Organic Carbon - Quad	5.1		1.0	0.50	mg/L			11/20/19 01:53	1

Client Sample ID: OLF-G73 Port 2

Date Collected: 11/11/19 14:50

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11		10	7.0	ug/L			11/21/19 18:56	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 18:56	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 18:56	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 18:56	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 18:56	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 18:56	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 18:56	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 18:56	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 18:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 18:56	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 18:56	1
Chlorobenzene	18		1.0	0.26	ug/L			11/21/19 18:56	1
Chloroethane	4.4	J	5.0	2.5	ug/L			11/21/19 18:56	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 18:56	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 18:56	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 18:56	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 18:56	1
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L			11/21/19 18:56	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 18:56	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 18:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 18:56	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 18:56	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 18:56	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 18:56	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 18:56	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 18:56	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 18:56	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 18:56	1
1,2-Dichloroethane	0.82	J	1.0	0.50	ug/L			11/21/19 18:56	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 18:56	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 18:56	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 18:56	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 18:56	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 18:56	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 18:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-176985-22

Date Collected: 11/11/19 14:50

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 18:56	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 18:56	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 18:56	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 18:56	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 18:56	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 18:56	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 18:56	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 18:56	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 18:56	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 18:56	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 18:56	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 18:56	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 18:56	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 18:56	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 18:56	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 18:56	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 18:56	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 18:56	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 18:56	1
Toluene	2.4		1.0	0.48	ug/L			11/21/19 18:56	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 18:56	1
trans-1,2-Dichloroethene	6.0		1.0	0.37	ug/L			11/21/19 18:56	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 18:56	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 18:56	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 18:56	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 18:56	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 18:56	1
Trichloroethene	3.7		1.0	0.48	ug/L			11/21/19 18:56	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 18:56	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 18:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 18:56	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 18:56	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 18:56	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 18:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 18:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		11/21/19 18:56	1
Dibromofluoromethane (Surr)	103		80 - 122		11/21/19 18:56	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131		11/21/19 18:56	1
Toluene-d8 (Surr)	108		80 - 120		11/21/19 18:56	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			11/25/19 13:18	1
Ethylene	0.50	U	1.0	0.50	ug/L			11/25/19 13:18	1
Methane	0.29	U	0.58	0.29	ug/L			11/25/19 13:18	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-176985-22

Date Collected: 11/11/19 14:50

Matrix: Water

Date Received: 11/15/19 09:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.1		1.0	0.50	mg/L			11/20/19 02:11	1
Total Organic Carbon - Quad	1.1		1.0	0.50	mg/L			11/20/19 02:11	1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-176985-23

Date Collected: 11/11/19 15:10

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 19:21	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 19:21	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 19:21	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 19:21	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 19:21	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 19:21	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 19:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 19:21	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 19:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 19:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 19:21	1
Chlorobenzene	1.3		1.0	0.26	ug/L			11/21/19 19:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 19:21	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 19:21	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 19:21	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 19:21	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 19:21	1
cis-1,2-Dichloroethene	27		1.0	0.41	ug/L			11/21/19 19:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 19:21	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 19:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 19:21	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 19:21	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 19:21	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 19:21	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 19:21	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 19:21	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 19:21	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 19:21	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 19:21	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 19:21	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 19:21	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 19:21	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 19:21	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 19:21	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 19:21	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 19:21	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 19:21	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 19:21	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 19:21	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 19:21	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 19:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-176985-23

Date Collected: 11/11/19 15:10

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 19:21	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 19:21	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 19:21	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 19:21	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 19:21	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 19:21	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 19:21	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 19:21	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 19:21	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 19:21	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 19:21	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 19:21	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 19:21	1
Toluene	1.8		1.0	0.48	ug/L			11/21/19 19:21	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 19:21	1
trans-1,2-Dichloroethene	7.0		1.0	0.37	ug/L			11/21/19 19:21	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 19:21	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 19:21	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 19:21	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 19:21	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 19:21	1
Trichloroethene	33		1.0	0.48	ug/L			11/21/19 19:21	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 19:21	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 19:21	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 19:21	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 19:21	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 19:21	1
Vinyl chloride	5.6		1.0	0.50	ug/L			11/21/19 19:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		11/21/19 19:21	1
Dibromofluoromethane (Surr)	103		80 - 122		11/21/19 19:21	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131		11/21/19 19:21	1
Toluene-d8 (Surr)	105		80 - 120		11/21/19 19:21	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			11/25/19 13:31	1
Ethylene	0.90	J	1.0	0.50	ug/L			11/25/19 13:31	1
Methane (TCD)	430		390	39	ug/L			11/25/19 13:31	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			11/20/19 02:28	1
Total Organic Carbon - Quad	1.6		1.0	0.50	mg/L			11/20/19 02:28	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-176985-24

Date Collected: 11/11/19 15:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 19:46	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 19:46	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 19:46	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 19:46	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 19:46	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 19:46	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 19:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 19:46	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 19:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 19:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 19:46	1
Chlorobenzene	0.31	J	1.0	0.26	ug/L			11/21/19 19:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 19:46	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 19:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 19:46	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 19:46	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 19:46	1
cis-1,2-Dichloroethene	1.6		1.0	0.41	ug/L			11/21/19 19:46	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 19:46	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 19:46	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 19:46	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 19:46	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 19:46	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 19:46	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 19:46	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 19:46	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 19:46	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 19:46	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 19:46	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 19:46	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 19:46	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 19:46	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 19:46	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 19:46	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 19:46	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 19:46	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 19:46	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 19:46	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 19:46	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 19:46	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 19:46	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 19:46	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 19:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 19:46	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 19:46	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 19:46	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 19:46	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 19:46	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 19:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-176985-24

Date Collected: 11/11/19 15:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 19:46	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 19:46	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 19:46	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 19:46	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 19:46	1
Toluene	0.71	J	1.0	0.48	ug/L			11/21/19 19:46	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 19:46	1
trans-1,2-Dichloroethene	0.38	J	1.0	0.37	ug/L			11/21/19 19:46	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 19:46	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 19:46	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 19:46	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 19:46	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 19:46	1
Trichloroethene	3.5		1.0	0.48	ug/L			11/21/19 19:46	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 19:46	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 19:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 19:46	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 19:46	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 19:46	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 19:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 19:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		11/21/19 19:46	1
Dibromofluoromethane (Surr)	103		80 - 122		11/21/19 19:46	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131		11/21/19 19:46	1
Toluene-d8 (Surr)	107		80 - 120		11/21/19 19:46	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			11/25/19 13:44	1
Ethylene	0.50	U	1.0	0.50	ug/L			11/25/19 13:44	1
Methane (TCD)	39	U	390	39	ug/L			11/25/19 13:44	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			11/20/19 02:46	1
Total Organic Carbon - Quad	1.5		1.0	0.50	mg/L			11/20/19 02:46	1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-176985-25

Date Collected: 11/11/19 15:50

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 20:11	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 20:11	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 20:11	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 20:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 20:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-176985-25

Date Collected: 11/11/19 15:50

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 20:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 20:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 20:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 20:11	1
Carbon disulfide	1.2	J	2.0	1.0	ug/L			11/21/19 20:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 20:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/21/19 20:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 20:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 20:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 20:11	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 20:11	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 20:11	1
cis-1,2-Dichloroethene	0.44	J	1.0	0.41	ug/L			11/21/19 20:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 20:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 20:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 20:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 20:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 20:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 20:11	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 20:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 20:11	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 20:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 20:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 20:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 20:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 20:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 20:11	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 20:11	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 20:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 20:11	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 20:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 20:11	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 20:11	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 20:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 20:11	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 20:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 20:11	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 20:11	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 20:11	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 20:11	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 20:11	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 20:11	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 20:11	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 20:11	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 20:11	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 20:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 20:11	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 20:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 20:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176985-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-176985-25

Date Collected: 11/11/19 15:50

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.64	J	1.0	0.48	ug/L			11/21/19 20:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 20:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/21/19 20:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 20:11	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 20:11	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 20:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 20:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 20:11	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/21/19 20:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 20:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 20:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 20:11	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 20:11	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 20:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 20:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 20:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		11/21/19 20:11	1
Dibromofluoromethane (Surr)	103		80 - 122		11/21/19 20:11	1
1,2-Dichloroethane-d4 (Surr)	87		73 - 131		11/21/19 20:11	1
Toluene-d8 (Surr)	106		80 - 120		11/21/19 20:11	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			11/25/19 13:57	1
Ethylene	0.50	U	1.0	0.50	ug/L			11/25/19 13:57	1
Methane	0.29	U	0.58	0.29	ug/L			11/25/19 13:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.63	J	1.0	0.50	mg/L			11/20/19 03:03	1
Total Organic Carbon - Quad	0.63	J	1.0	0.50	mg/L			11/20/19 03:03	1

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: MB 680-597216/11

Matrix: Water

Analysis Batch: 597216

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			11/21/19 15:36	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 15:36	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 15:36	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 15:36	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 15:36	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 15:36	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 15:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 15:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 15:36	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 15:36	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/21/19 15:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 15:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 15:36	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 15:36	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 15:36	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/21/19 15:36	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 15:36	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 15:36	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 15:36	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 15:36	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 15:36	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 15:36	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 15:36	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 15:36	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 15:36	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 15:36	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 15:36	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 15:36	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 15:36	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 15:36	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 15:36	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 15:36	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 15:36	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 15:36	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 15:36	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 15:36	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 15:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 15:36	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 15:36	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 15:36	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 15:36	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: MB 680-597216/11

Matrix: Water

Analysis Batch: 597216

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			11/21/19 15:36	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 15:36	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 15:36	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 15:36	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 15:36	1
Toluene	0.48	U	1.0	0.48	ug/L			11/21/19 15:36	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 15:36	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 15:36	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 15:36	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/21/19 15:36	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 15:36	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 15:36	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 15:36	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 15:36	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 15:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 15:36	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 15:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/21/19 15:36	1
Dibromofluoromethane (Surr)	104		80 - 122		11/21/19 15:36	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		11/21/19 15:36	1
Toluene-d8 (Surr)	106		80 - 120		11/21/19 15:36	1

Lab Sample ID: LCS 680-597216/3

Matrix: Water

Analysis Batch: 597216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	226		ug/L		90	70 - 135
Acrylonitrile	500	517		ug/L		103	80 - 123
Benzene	50.0	50.6		ug/L		101	80 - 120
Bromobenzene	50.0	54.6		ug/L		109	80 - 121
Bromochloromethane	50.0	53.6		ug/L		107	80 - 120
Bromodichloromethane	50.0	54.5		ug/L		109	80 - 120
Bromoform	50.0	51.6		ug/L		103	74 - 126
Bromomethane	50.0	57.6		ug/L		115	62 - 130
2-Butanone (MEK)	251	263		ug/L		105	80 - 131
Carbon disulfide	50.0	52.3		ug/L		105	80 - 120
Carbon tetrachloride	50.0	52.3		ug/L		105	76 - 123
Chlorobenzene	50.0	53.2		ug/L		106	80 - 120
Chloroethane	50.0	47.0		ug/L		94	66 - 135

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-597216/3

Matrix: Water

Analysis Batch: 597216

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	53.0		ug/L		106	80 - 120
Chloromethane	50.0	56.3		ug/L		113	69 - 131
2-Chlorotoluene	50.0	54.1		ug/L		108	80 - 120
4-Chlorotoluene	50.0	54.0		ug/L		108	80 - 120
cis-1,2-Dichloroethene	50.0	57.3		ug/L		115	80 - 120
cis-1,3-Dichloropropene	50.0	56.9		ug/L		114	80 - 120
Dibromochloromethane	50.0	53.3		ug/L		107	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	53.6		ug/L		107	71 - 134
1,2-Dibromoethane	50.0	52.2		ug/L		104	80 - 120
Dibromomethane	50.0	55.1		ug/L		110	80 - 120
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120
1,3-Dichlorobenzene	50.0	53.4		ug/L		107	80 - 120
1,4-Dichlorobenzene	50.0	53.0		ug/L		106	80 - 120
Dichlorodifluoromethane	50.0	56.1		ug/L		112	47 - 155
1,1-Dichloroethane	50.0	53.2		ug/L		106	80 - 120
1,2-Dichloroethane	50.0	53.9		ug/L		108	80 - 120
1,1-Dichloroethene	50.0	54.8		ug/L		110	76 - 120
1,2-Dichloropropane	50.0	55.3		ug/L		111	80 - 120
1,3-Dichloropropane	50.0	52.6		ug/L		105	80 - 120
2,2-Dichloropropane	50.0	64.4 *		ug/L		129	76 - 126
1,1-Dichloropropene	50.0	51.6		ug/L		103	80 - 120
Ethylbenzene	50.0	52.7		ug/L		105	80 - 120
Hexachlorobutadiene	50.0	63.5		ug/L		127	60 - 140
2-Hexanone	250	265		ug/L		106	74 - 127
Iodomethane	50.0	53.4		ug/L		107	52 - 142
Isopropylbenzene	50.0	53.5		ug/L		107	80 - 120
Methylene Chloride	50.0	51.3		ug/L		103	80 - 120
4-Methyl-2-pentanone	250	248		ug/L		99	76 - 124
Methyl tert-butyl ether	50.0	55.0		ug/L		110	80 - 120
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	80 - 120
Naphthalene	50.0	59.7		ug/L		119	59 - 140
n-Butylbenzene	50.0	49.9		ug/L		100	80 - 120
N-Propylbenzene	50.0	53.6		ug/L		107	80 - 120
o-Xylene	50.0	53.4		ug/L		107	80 - 120
p-Isopropyltoluene	50.0	53.6		ug/L		107	80 - 120
sec-Butylbenzene	50.0	54.2		ug/L		108	80 - 120
Styrene	50.0	58.4		ug/L		117	80 - 120
tert-Butylbenzene	50.0	53.8		ug/L		108	80 - 121
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/L		107	80 - 121
1,1,2,2-Tetrachloroethane	50.0	50.3		ug/L		101	80 - 120
Tetrachloroethylene	50.0	54.9		ug/L		110	80 - 121
Toluene	50.0	55.0		ug/L		110	80 - 113
trans-1,4-Dichloro-2-butene	50.0	56.0		ug/L		112	68 - 125
trans-1,2-Dichloroethene	50.0	53.5		ug/L		107	80 - 120
trans-1,3-Dichloropropene	50.0	52.8		ug/L		106	80 - 120
1,2,3-Trichlorobenzene	50.0	63.0		ug/L		126	61 - 141
1,2,4-Trichlorobenzene	50.0	59.1		ug/L		118	68 - 128
1,1,1-Trichloroethane	50.0	52.6		ug/L		105	80 - 120
1,1,2-Trichloroethane	50.0	52.0		ug/L		104	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-597216/3

Matrix: Water

Analysis Batch: 597216

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	53.4		ug/L		107	80 - 120
Trichlorofluoromethane	50.0	51.6		ug/L		103	60 - 141
1,2,3-Trichloropropane	50.0	49.3		ug/L		99	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.7		ug/L		101	79 - 124
1,2,4-Trimethylbenzene	50.0	55.9		ug/L		112	80 - 120
1,3,5-Trimethylbenzene	50.0	54.8		ug/L		110	80 - 120
Vinyl acetate	100	111		ug/L		110	67 - 135
Vinyl chloride	50.0	52.6		ug/L		105	71 - 128
Xylenes, Total	100	104		ug/L		104	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	109		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		73 - 131
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: LCSD 680-597216/4

Matrix: Water

Analysis Batch: 597216

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	226		ug/L		90	70 - 135	0	30
Acrylonitrile	500	504		ug/L		101	80 - 123	3	20
Benzene	50.0	50.8		ug/L		102	80 - 120	0	20
Bromobenzene	50.0	54.0		ug/L		108	80 - 121	1	20
Bromochloromethane	50.0	53.3		ug/L		107	80 - 120	0	20
Bromodichloromethane	50.0	54.2		ug/L		108	80 - 120	1	20
Bromoform	50.0	51.4		ug/L		103	74 - 126	1	20
Bromomethane	50.0	56.5		ug/L		113	62 - 130	2	20
2-Butanone (MEK)	251	256		ug/L		102	80 - 131	3	20
Carbon disulfide	50.0	54.5		ug/L		109	80 - 120	4	20
Carbon tetrachloride	50.0	52.6		ug/L		105	76 - 123	1	20
Chlorobenzene	50.0	53.2		ug/L		106	80 - 120	0	20
Chloroethane	50.0	48.4		ug/L		97	66 - 135	3	20
Chloroform	50.0	53.2		ug/L		106	80 - 120	0	20
Chloromethane	50.0	57.6		ug/L		115	69 - 131	2	30
2-Chlorotoluene	50.0	53.5		ug/L		107	80 - 120	1	20
4-Chlorotoluene	50.0	53.6		ug/L		107	80 - 120	1	20
cis-1,2-Dichloroethene	50.0	56.1		ug/L		112	80 - 120	2	20
cis-1,3-Dichloropropene	50.0	55.9		ug/L		112	80 - 120	2	20
Dibromochloromethane	50.0	52.9		ug/L		106	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	55.3		ug/L		111	71 - 134	3	20
1,2-Dibromoethane	50.0	51.7		ug/L		103	80 - 120	1	20
Dibromomethane	50.0	54.0		ug/L		108	80 - 120	2	20
1,2-Dichlorobenzene	50.0	51.9		ug/L		104	80 - 120	1	20
1,3-Dichlorobenzene	50.0	53.3		ug/L		107	80 - 120	0	20
1,4-Dichlorobenzene	50.0	52.5		ug/L		105	80 - 120	1	20
Dichlorodifluoromethane	50.0	58.1		ug/L		116	47 - 155	4	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-597216/4

Matrix: Water

Analysis Batch: 597216

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	53.9		ug/L		108	80 - 120	1	20
1,2-Dichloroethane	50.0	53.0		ug/L		106	80 - 120	2	50
1,1-Dichloroethene	50.0	53.4		ug/L		107	76 - 120	3	20
1,2-Dichloropropane	50.0	55.0		ug/L		110	80 - 120	0	20
1,3-Dichloropropane	50.0	51.1		ug/L		102	80 - 120	3	20
2,2-Dichloropropane	50.0	64.0	*	ug/L		128	76 - 126	1	20
1,1-Dichloropropene	50.0	51.9		ug/L		104	80 - 120	1	20
Ethylbenzene	50.0	52.9		ug/L		106	80 - 120	0	20
Hexachlorobutadiene	50.0	64.4		ug/L		129	60 - 140	2	20
2-Hexanone	250	263		ug/L		105	74 - 127	1	20
Iodomethane	50.0	55.4		ug/L		111	52 - 142	4	30
Isopropylbenzene	50.0	53.8		ug/L		108	80 - 120	1	20
Methylene Chloride	50.0	51.3		ug/L		103	80 - 120	0	20
4-Methyl-2-pentanone	250	242		ug/L		97	76 - 124	3	20
Methyl tert-butyl ether	50.0	52.3		ug/L		105	80 - 120	5	20
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	80 - 120	2	20
Naphthalene	50.0	63.5		ug/L		127	59 - 140	6	20
n-Butylbenzene	50.0	50.4		ug/L		101	80 - 120	1	20
N-Propylbenzene	50.0	53.8		ug/L		108	80 - 120	0	20
o-Xylene	50.0	53.3		ug/L		107	80 - 120	0	30
p-Isopropyltoluene	50.0	54.6		ug/L		109	80 - 120	2	20
sec-Butylbenzene	50.0	55.5		ug/L		111	80 - 120	2	20
Styrene	50.0	58.4		ug/L		117	80 - 120	0	20
tert-Butylbenzene	50.0	54.9		ug/L		110	80 - 121	2	20
1,1,1,2-Tetrachloroethane	50.0	53.6		ug/L		107	80 - 121	0	20
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	80 - 120	1	20
Tetrachloroethylene	50.0	54.8		ug/L		110	80 - 121	0	20
Toluene	50.0	55.2		ug/L		110	80 - 113	0	20
trans-1,4-Dichloro-2-butene	50.0	56.1		ug/L		112	68 - 125	0	30
trans-1,2-Dichloroethene	50.0	54.4		ug/L		109	80 - 120	2	20
trans-1,3-Dichloropropene	50.0	52.7		ug/L		105	80 - 120	0	30
1,2,3-Trichlorobenzene	50.0	66.4		ug/L		133	61 - 141	5	20
1,2,4-Trichlorobenzene	50.0	59.8		ug/L		120	68 - 128	1	20
1,1,1-Trichloroethane	50.0	53.1		ug/L		106	80 - 120	1	20
1,1,2-Trichloroethane	50.0	51.5		ug/L		103	80 - 120	1	20
Trichloroethene	50.0	53.5		ug/L		107	80 - 120	0	20
Trichlorofluoromethane	50.0	52.9		ug/L		106	60 - 141	3	20
1,2,3-Trichloropropane	50.0	48.5		ug/L		97	80 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.6		ug/L		101	79 - 124	0	20
1,2,4-Trimethylbenzene	50.0	55.7		ug/L		111	80 - 120	0	20
1,3,5-Trimethylbenzene	50.0	55.4		ug/L		111	80 - 120	1	20
Vinyl acetate	100	107		ug/L		107	67 - 135	3	20
Vinyl chloride	50.0	55.1		ug/L		110	71 - 128	5	20
Xylenes, Total	100	104		ug/L		104	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-597216/4

Matrix: Water

Analysis Batch: 597216

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	108		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: MB 680-597626/9

Matrix: Water

Analysis Batch: 597626

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			11/23/19 15:54	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 15:54	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 15:54	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 15:54	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 15:54	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 15:54	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 15:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 15:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 15:54	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 15:54	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/19 15:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 15:54	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 15:54	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 15:54	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 15:54	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/19 15:54	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 15:54	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 15:54	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 15:54	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 15:54	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 15:54	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 15:54	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 15:54	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 15:54	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 15:54	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 15:54	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 15:54	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 15:54	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 15:54	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 15:54	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 15:54	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 15:54	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 15:54	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 15:54	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: MB 680-597626/9

Matrix: Water

Analysis Batch: 597626

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			11/23/19 15:54	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 15:54	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 15:54	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 15:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 15:54	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 15:54	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 15:54	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 15:54	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 15:54	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 15:54	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 15:54	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 15:54	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 15:54	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/19 15:54	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 15:54	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 15:54	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 15:54	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/19 15:54	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 15:54	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 15:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 15:54	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 15:54	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 15:54	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 15:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 15:54	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 15:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		11/23/19 15:54	1
Dibromofluoromethane (Surr)	102		80 - 122		11/23/19 15:54	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		11/23/19 15:54	1
Toluene-d8 (Surr)	98		80 - 120		11/23/19 15:54	1

Lab Sample ID: LCS 680-597626/3

Matrix: Water

Analysis Batch: 597626

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	216		ug/L		86	70 - 135
Acrylonitrile	500	468		ug/L		94	80 - 123
Benzene	50.0	49.8		ug/L		100	80 - 120
Bromobenzene	50.0	49.2		ug/L		98	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-597626/3

Matrix: Water

Analysis Batch: 597626

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	47.1		ug/L		94	80 - 120
Bromodichloromethane	50.0	46.8		ug/L		94	80 - 120
Bromoform	50.0	44.7		ug/L		89	74 - 126
Bromomethane	50.1	46.0		ug/L		92	62 - 130
2-Butanone (MEK)	250	237		ug/L		95	80 - 131
Carbon disulfide	50.0	49.8		ug/L		100	80 - 120
Carbon tetrachloride	50.0	49.5		ug/L		99	76 - 123
Chlorobenzene	50.0	49.3		ug/L		99	80 - 120
Chloroethane	50.0	47.2		ug/L		94	66 - 135
Chloroform	50.0	49.6		ug/L		99	80 - 120
Chloromethane	50.0	38.9		ug/L		78	69 - 131
2-Chlorotoluene	50.0	48.9		ug/L		98	80 - 120
4-Chlorotoluene	50.0	47.9		ug/L		96	80 - 120
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	80 - 120
cis-1,3-Dichloropropene	50.0	47.4		ug/L		95	80 - 120
Dibromochloromethane	50.0	46.4		ug/L		93	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	46.1		ug/L		92	71 - 134
1,2-Dibromoethane	50.0	48.1		ug/L		96	80 - 120
Dibromomethane	50.0	46.5		ug/L		93	80 - 120
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120
1,3-Dichlorobenzene	50.0	50.8		ug/L		102	80 - 120
1,4-Dichlorobenzene	50.0	50.3		ug/L		101	80 - 120
Dichlorodifluoromethane	50.1	57.5		ug/L		115	47 - 155
1,1-Dichloroethane	50.0	47.9		ug/L		96	80 - 120
1,2-Dichloroethane	50.0	48.2		ug/L		96	80 - 120
1,1-Dichloroethene	50.0	49.6		ug/L		99	76 - 120
1,2-Dichloropropane	50.0	46.7		ug/L		93	80 - 120
1,3-Dichloropropane	50.0	48.3		ug/L		97	80 - 120
2,2-Dichloropropane	50.0	51.5		ug/L		103	76 - 126
1,1-Dichloropropene	50.0	50.0		ug/L		100	80 - 120
Ethylbenzene	50.0	50.9		ug/L		102	80 - 120
Hexachlorobutadiene	50.0	54.5		ug/L		109	60 - 140
2-Hexanone	250	225		ug/L		90	74 - 127
Iodomethane	50.0	42.3		ug/L		85	52 - 142
Isopropylbenzene	50.0	50.5		ug/L		101	80 - 120
Methylene Chloride	50.0	44.2		ug/L		88	80 - 120
4-Methyl-2-pentanone	250	249		ug/L		100	76 - 124
Methyl tert-butyl ether	50.0	46.5		ug/L		93	80 - 120
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	80 - 120
Naphthalene	50.0	51.8		ug/L		104	59 - 140
n-Butylbenzene	50.0	53.6		ug/L		107	80 - 120
N-Propylbenzene	50.0	49.0		ug/L		98	80 - 120
o-Xylene	50.0	50.0		ug/L		100	80 - 120
p-Isopropyltoluene	50.0	51.7		ug/L		103	80 - 120
sec-Butylbenzene	50.0	49.5		ug/L		99	80 - 120
Styrene	50.0	48.3		ug/L		97	80 - 120
tert-Butylbenzene	50.0	48.9		ug/L		98	80 - 121
1,1,1,2-Tetrachloroethane	50.0	46.7		ug/L		93	80 - 121
1,1,2,2-Tetrachloroethane	50.0	47.5		ug/L		95	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-597626/3

Matrix: Water

Analysis Batch: 597626

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	51.5		ug/L		103	80 - 121
Toluene	50.0	50.1		ug/L		100	80 - 113
trans-1,4-Dichloro-2-butene	50.0	43.9		ug/L		88	68 - 125
trans-1,2-Dichloroethene	50.0	49.8		ug/L		100	80 - 120
trans-1,3-Dichloropropene	50.0	47.2		ug/L		94	80 - 120
1,2,3-Trichlorobenzene	50.0	50.1		ug/L		100	61 - 141
1,2,4-Trichlorobenzene	50.0	52.5		ug/L		105	68 - 128
1,1,1-Trichloroethane	50.0	48.8		ug/L		98	80 - 120
1,1,2-Trichloroethane	50.0	48.0		ug/L		96	80 - 120
Trichloroethene	50.0	50.3		ug/L		101	80 - 120
Trichlorofluoromethane	50.0	49.6		ug/L		99	60 - 141
1,2,3-Trichloropropane	50.0	46.0		ug/L		92	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.3		ug/L		101	79 - 124
1,2,4-Trimethylbenzene	50.0	49.2		ug/L		98	80 - 120
1,3,5-Trimethylbenzene	50.0	49.6		ug/L		99	80 - 120
Vinyl acetate	100	104		ug/L		104	67 - 135
Vinyl chloride	50.1	50.0		ug/L		100	71 - 128
Xylenes, Total	100	98.9		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	100		73 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 680-597626/4

Matrix: Water

Analysis Batch: 597626

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	230		ug/L		92	70 - 135	6	30
Acrylonitrile	500	483		ug/L		97	80 - 123	3	20
Benzene	50.0	50.4		ug/L		101	80 - 120	1	20
Bromobenzene	50.0	50.0		ug/L		100	80 - 121	2	20
Bromochloromethane	50.0	48.5		ug/L		97	80 - 120	3	20
Bromodichloromethane	50.0	50.5		ug/L		101	80 - 120	8	20
Bromoform	50.0	45.5		ug/L		91	74 - 126	2	20
Bromomethane	50.1	50.2		ug/L		100	62 - 130	9	20
2-Butanone (MEK)	250	244		ug/L		98	80 - 131	3	20
Carbon disulfide	50.0	51.1		ug/L		102	80 - 120	3	20
Carbon tetrachloride	50.0	51.3		ug/L		103	76 - 123	4	20
Chlorobenzene	50.0	49.4		ug/L		99	80 - 120	0	20
Chloroethane	50.0	48.5		ug/L		97	66 - 135	3	20
Chloroform	50.0	51.3		ug/L		103	80 - 120	3	20
Chloromethane	50.0	41.4		ug/L		83	69 - 131	6	30
2-Chlorotoluene	50.0	49.1		ug/L		98	80 - 120	0	20
4-Chlorotoluene	50.0	48.4		ug/L		97	80 - 120	1	20
cis-1,2-Dichloroethene	50.0	51.4		ug/L		103	80 - 120	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-597626/4

Matrix: Water

Analysis Batch: 597626

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	50.6		ug/L		101	80 - 120	7	20
Dibromochloromethane	50.0	48.2		ug/L		96	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	47.8		ug/L		96	71 - 134	4	20
1,2-Dibromoethane	50.0	49.4		ug/L		99	80 - 120	3	20
Dibromomethane	50.0	50.3		ug/L		101	80 - 120	8	20
1,2-Dichlorobenzene	50.0	54.0		ug/L		108	80 - 120	5	20
1,3-Dichlorobenzene	50.0	51.4		ug/L		103	80 - 120	1	20
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 120	0	20
Dichlorodifluoromethane	50.1	59.3		ug/L		118	47 - 155	3	40
1,1-Dichloroethane	50.0	49.5		ug/L		99	80 - 120	3	20
1,2-Dichloroethane	50.0	50.7		ug/L		101	80 - 120	5	50
1,1-Dichloroethene	50.0	50.8		ug/L		102	76 - 120	2	20
1,2-Dichloropropane	50.0	48.3		ug/L		97	80 - 120	3	20
1,3-Dichloropropane	50.0	50.2		ug/L		100	80 - 120	4	20
2,2-Dichloropropane	50.0	51.8		ug/L		104	76 - 126	1	20
1,1-Dichloropropene	50.0	51.6		ug/L		103	80 - 120	3	20
Ethylbenzene	50.0	51.2		ug/L		102	80 - 120	1	20
Hexachlorobutadiene	50.0	56.8		ug/L		114	60 - 140	4	20
2-Hexanone	250	233		ug/L		93	74 - 127	3	20
Iodomethane	50.0	43.1		ug/L		86	52 - 142	2	30
Isopropylbenzene	50.0	51.2		ug/L		102	80 - 120	2	20
Methylene Chloride	50.0	45.6		ug/L		91	80 - 120	3	20
4-Methyl-2-pentanone	250	259		ug/L		104	76 - 124	4	20
Methyl tert-butyl ether	50.0	47.9		ug/L		96	80 - 120	3	20
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	80 - 120	3	20
Naphthalene	50.0	53.1		ug/L		106	59 - 140	3	20
n-Butylbenzene	50.0	55.5		ug/L		111	80 - 120	4	20
N-Propylbenzene	50.0	49.3		ug/L		99	80 - 120	1	20
o-Xylene	50.0	50.4		ug/L		101	80 - 120	1	30
p-Isopropyltoluene	50.0	52.1		ug/L		104	80 - 120	1	20
sec-Butylbenzene	50.0	51.5		ug/L		103	80 - 120	4	20
Styrene	50.0	49.1		ug/L		98	80 - 120	2	20
tert-Butylbenzene	50.0	49.2		ug/L		98	80 - 121	1	20
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	80 - 121	1	20
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/L		96	80 - 120	1	20
Tetrachloroethylene	50.0	53.6		ug/L		107	80 - 121	4	20
Toluene	50.0	52.0		ug/L		104	80 - 113	4	20
trans-1,4-Dichloro-2-butene	50.0	50.2		ug/L		100	68 - 125	13	30
trans-1,2-Dichloroethene	50.0	51.7		ug/L		103	80 - 120	4	20
trans-1,3-Dichloropropene	50.0	48.9		ug/L		98	80 - 120	3	30
1,2,3-Trichlorobenzene	50.0	53.2		ug/L		106	61 - 141	6	20
1,2,4-Trichlorobenzene	50.0	53.9		ug/L		108	68 - 128	3	20
1,1,1-Trichloroethane	50.0	50.3		ug/L		101	80 - 120	3	20
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	80 - 120	4	20
Trichloroethene	50.0	49.7		ug/L		99	80 - 120	1	20
Trichlorofluoromethane	50.0	50.8		ug/L		101	60 - 141	2	20
1,2,3-Trichloropropane	50.0	46.8		ug/L		94	80 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.9		ug/L		104	79 - 124	3	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-597626/4

Matrix: Water

Analysis Batch: 597626

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	49.4		ug/L		99	80 - 120	0	20
1,3,5-Trimethylbenzene	50.0	50.6		ug/L		101	80 - 120	2	20
Vinyl acetate	100	106		ug/L		106	67 - 135	2	20
Vinyl chloride	50.1	52.0		ug/L		104	71 - 128	4	20
Xylenes, Total	100	101		ug/L		101	80 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	110		80 - 120
Dibromofluoromethane (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		73 - 131
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: MB 680-597773/9

Matrix: Water

Analysis Batch: 597773

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			11/25/19 13:50	1
Acrylonitrile	10	U	20	10	ug/L			11/25/19 13:50	1
Benzene	0.43	U	1.0	0.43	ug/L			11/25/19 13:50	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/25/19 13:50	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/25/19 13:50	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/25/19 13:50	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/25/19 13:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/25/19 13:50	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/25/19 13:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/25/19 13:50	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/25/19 13:50	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/25/19 13:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/25/19 13:50	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/25/19 13:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/25/19 13:50	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/25/19 13:50	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/25/19 13:50	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/25/19 13:50	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/25/19 13:50	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/25/19 13:50	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/25/19 13:50	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/25/19 13:50	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/25/19 13:50	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/25/19 13:50	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/25/19 13:50	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/25/19 13:50	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/25/19 13:50	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/25/19 13:50	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/25/19 13:50	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/25/19 13:50	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/25/19 13:50	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: MB 680-597773/9

Matrix: Water

Analysis Batch: 597773

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			11/25/19 13:50	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/25/19 13:50	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/25/19 13:50	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/25/19 13:50	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/25/19 13:50	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/25/19 13:50	1
Iodomethane	5.0	U	10	5.0	ug/L			11/25/19 13:50	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/25/19 13:50	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/25/19 13:50	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/25/19 13:50	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/25/19 13:50	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/25/19 13:50	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/25/19 13:50	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 13:50	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/25/19 13:50	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/25/19 13:50	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/25/19 13:50	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/25/19 13:50	1
Styrene	0.27	U	1.0	0.27	ug/L			11/25/19 13:50	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/25/19 13:50	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 13:50	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/25/19 13:50	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/25/19 13:50	1
Toluene	0.48	U	1.0	0.48	ug/L			11/25/19 13:50	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/25/19 13:50	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/25/19 13:50	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/25/19 13:50	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 13:50	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/25/19 13:50	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/25/19 13:50	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/25/19 13:50	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/25/19 13:50	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/25/19 13:50	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/25/19 13:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/25/19 13:50	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/25/19 13:50	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/25/19 13:50	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/25/19 13:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/25/19 13:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/25/19 13:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		11/25/19 13:50	1
Dibromofluoromethane (Surr)	102		80 - 122		11/25/19 13:50	1
1,2-Dichloroethane-d4 (Surr)	87		73 - 131		11/25/19 13:50	1
Toluene-d8 (Surr)	103		80 - 120		11/25/19 13:50	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-597773/3

Matrix: Water

Analysis Batch: 597773

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	195		ug/L		78	70 - 135
Acrylonitrile	500	422		ug/L		84	80 - 123
Benzene	50.0	48.3		ug/L		97	80 - 120
Bromobenzene	50.0	48.7		ug/L		97	80 - 121
Bromochloromethane	50.0	45.4		ug/L		91	80 - 120
Bromodichloromethane	50.0	47.7		ug/L		95	80 - 120
Bromoform	50.0	44.7		ug/L		89	74 - 126
Bromomethane	50.1	37.2		ug/L		74	62 - 130
2-Butanone (MEK)	250	206		ug/L		82	80 - 131
Carbon disulfide	50.0	48.8		ug/L		98	80 - 120
Carbon tetrachloride	50.0	49.7		ug/L		99	76 - 123
Chlorobenzene	50.0	48.7		ug/L		97	80 - 120
Chloroethane	50.0	44.8		ug/L		90	66 - 135
Chloroform	50.0	48.4		ug/L		97	80 - 120
Chloromethane	50.0	40.0		ug/L		80	69 - 131
2-Chlorotoluene	50.0	48.4		ug/L		97	80 - 120
4-Chlorotoluene	50.0	47.8		ug/L		96	80 - 120
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	80 - 120
cis-1,3-Dichloropropene	50.0	48.2		ug/L		96	80 - 120
Dibromochloromethane	50.0	45.6		ug/L		91	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	42.0		ug/L		84	71 - 134
1,2-Dibromoethane	50.0	45.4		ug/L		91	80 - 120
Dibromomethane	50.0	46.8		ug/L		94	80 - 120
1,2-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 120
1,3-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 120
1,4-Dichlorobenzene	50.0	49.9		ug/L		100	80 - 120
Dichlorodifluoromethane	50.1	54.4		ug/L		109	47 - 155
1,1-Dichloroethane	50.0	46.7		ug/L		93	80 - 120
1,2-Dichloroethane	50.0	46.6		ug/L		93	80 - 120
1,1-Dichloroethene	50.0	48.9		ug/L		98	76 - 120
1,2-Dichloropropane	50.0	47.5		ug/L		95	80 - 120
1,3-Dichloropropane	50.0	45.7		ug/L		91	80 - 120
2,2-Dichloropropane	50.0	50.6		ug/L		101	76 - 126
1,1-Dichloropropene	50.0	49.1		ug/L		98	80 - 120
Ethylbenzene	50.0	50.2		ug/L		100	80 - 120
Hexachlorobutadiene	50.0	57.2		ug/L		114	60 - 140
2-Hexanone	250	197		ug/L		79	74 - 127
Iodomethane	50.0	43.6		ug/L		87	52 - 142
Isopropylbenzene	50.0	50.9		ug/L		102	80 - 120
Methylene Chloride	50.0	41.8		ug/L		84	80 - 120
4-Methyl-2-pentanone	250	219		ug/L		88	76 - 124
Methyl tert-butyl ether	50.0	44.1		ug/L		88	80 - 120
m-Xylene & p-Xylene	50.0	48.7		ug/L		97	80 - 120
Naphthalene	50.0	47.9		ug/L		96	59 - 140
n-Butylbenzene	50.0	53.2		ug/L		106	80 - 120
N-Propylbenzene	50.0	48.9		ug/L		98	80 - 120
o-Xylene	50.0	49.3		ug/L		99	80 - 120
p-Isopropyltoluene	50.0	51.7		ug/L		103	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-597773/3

Matrix: Water

Analysis Batch: 597773

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	49.1		ug/L		98	80 - 120
Styrene	50.0	48.2		ug/L		96	80 - 120
tert-Butylbenzene	50.0	48.8		ug/L		98	80 - 121
1,1,1,2-Tetrachloroethane	50.0	46.5		ug/L		93	80 - 121
1,1,2,2-Tetrachloroethane	50.0	44.0		ug/L		88	80 - 120
Tetrachloroethylene	50.0	51.5		ug/L		103	80 - 121
Toluene	50.0	49.1		ug/L		98	80 - 113
trans-1,4-Dichloro-2-butene	50.0	40.8		ug/L		82	68 - 125
trans-1,2-Dichloroethene	50.0	49.6		ug/L		99	80 - 120
trans-1,3-Dichloropropene	50.0	46.3		ug/L		93	80 - 120
1,2,3-Trichlorobenzene	50.0	50.0		ug/L		100	61 - 141
1,2,4-Trichlorobenzene	50.0	51.7		ug/L		103	68 - 128
1,1,1-Trichloroethane	50.0	48.2		ug/L		96	80 - 120
1,1,2-Trichloroethane	50.0	45.3		ug/L		91	80 - 120
Trichloroethene	50.0	49.3		ug/L		99	80 - 120
Trichlorofluoromethane	50.0	50.3		ug/L		101	60 - 141
1,2,3-Trichloropropane	50.0	42.9		ug/L		86	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.2		ug/L		100	79 - 124
1,2,4-Trimethylbenzene	50.0	48.5		ug/L		97	80 - 120
1,3,5-Trimethylbenzene	50.0	49.3		ug/L		99	80 - 120
Vinyl acetate	100	99.4		ug/L		99	67 - 135
Vinyl chloride	50.1	48.8		ug/L		97	71 - 128
Xylenes, Total	100	98.0		ug/L		98	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	96		80 - 122
1,2-Dichloroethane-d4 (Surr)	93		73 - 131
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 680-597773/4

Matrix: Water

Analysis Batch: 597773

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	201		ug/L		80	70 - 135	3	30
Acrylonitrile	500	419		ug/L		84	80 - 123	1	20
Benzene	50.0	49.6		ug/L		99	80 - 120	3	20
Bromobenzene	50.0	50.1		ug/L		100	80 - 121	3	20
Bromochloromethane	50.0	46.2		ug/L		92	80 - 120	2	20
Bromodichloromethane	50.0	49.7		ug/L		99	80 - 120	4	20
Bromoform	50.0	44.4		ug/L		89	74 - 126	1	20
Bromomethane	50.1	40.7		ug/L		81	62 - 130	9	20
2-Butanone (MEK)	250	212		ug/L		85	80 - 131	3	20
Carbon disulfide	50.0	48.8		ug/L		98	80 - 120	0	20
Carbon tetrachloride	50.0	49.7		ug/L		99	76 - 123	0	20
Chlorobenzene	50.0	48.4		ug/L		97	80 - 120	1	20
Chloroethane	50.0	44.1		ug/L		88	66 - 135	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-597773/4

Matrix: Water

Analysis Batch: 597773

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	49.1		ug/L		98	80 - 120	1	20
Chloromethane	50.0	41.0		ug/L		82	69 - 131	3	30
2-Chlorotoluene	50.0	47.9		ug/L		96	80 - 120	1	20
4-Chlorotoluene	50.0	48.8		ug/L		98	80 - 120	2	20
cis-1,2-Dichloroethene	50.0	50.0		ug/L		100	80 - 120	0	20
cis-1,3-Dichloropropene	50.0	49.6		ug/L		99	80 - 120	3	20
Dibromochloromethane	50.0	45.9		ug/L		92	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	43.0		ug/L		86	71 - 134	2	20
1,2-Dibromoethane	50.0	46.2		ug/L		92	80 - 120	2	20
Dibromomethane	50.0	48.7		ug/L		97	80 - 120	4	20
1,2-Dichlorobenzene	50.0	52.9		ug/L		106	80 - 120	5	20
1,3-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 120	0	20
1,4-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 120	1	20
Dichlorodifluoromethane	50.1	54.5		ug/L		109	47 - 155	0	40
1,1-Dichloroethane	50.0	47.2		ug/L		94	80 - 120	1	20
1,2-Dichloroethane	50.0	49.3		ug/L		99	80 - 120	6	50
1,1-Dichloroethene	50.0	47.4		ug/L		95	76 - 120	3	20
1,2-Dichloropropane	50.0	47.1		ug/L		94	80 - 120	1	20
1,3-Dichloropropane	50.0	46.2		ug/L		92	80 - 120	1	20
2,2-Dichloropropane	50.0	49.9		ug/L		100	76 - 126	1	20
1,1-Dichloropropene	50.0	49.2		ug/L		98	80 - 120	0	20
Ethylbenzene	50.0	49.8		ug/L		100	80 - 120	1	20
Hexachlorobutadiene	50.0	55.4		ug/L		111	60 - 140	3	20
2-Hexanone	250	201		ug/L		80	74 - 127	2	20
Iodomethane	50.0	44.6		ug/L		89	52 - 142	2	30
Isopropylbenzene	50.0	51.1		ug/L		102	80 - 120	0	20
Methylene Chloride	50.0	42.3		ug/L		85	80 - 120	1	20
4-Methyl-2-pentanone	250	227		ug/L		91	76 - 124	4	20
Methyl tert-butyl ether	50.0	44.6		ug/L		89	80 - 120	1	20
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	80 - 120	0	20
Naphthalene	50.0	48.1		ug/L		96	59 - 140	0	20
n-Butylbenzene	50.0	55.0		ug/L		110	80 - 120	3	20
N-Propylbenzene	50.0	48.0		ug/L		96	80 - 120	2	20
o-Xylene	50.0	49.1		ug/L		98	80 - 120	0	30
p-Isopropyltoluene	50.0	51.1		ug/L		102	80 - 120	1	20
sec-Butylbenzene	50.0	49.7		ug/L		99	80 - 120	1	20
Styrene	50.0	47.2		ug/L		94	80 - 120	2	20
tert-Butylbenzene	50.0	49.0		ug/L		98	80 - 121	0	20
1,1,1,2-Tetrachloroethane	50.0	46.3		ug/L		93	80 - 121	0	20
1,1,2,2-Tetrachloroethane	50.0	44.5		ug/L		89	80 - 120	1	20
Tetrachloroethylene	50.0	50.8		ug/L		102	80 - 121	1	20
Toluene	50.0	48.7		ug/L		97	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	44.4		ug/L		89	68 - 125	9	30
trans-1,2-Dichloroethene	50.0	49.6		ug/L		99	80 - 120	0	20
trans-1,3-Dichloropropene	50.0	46.3		ug/L		93	80 - 120	0	30
1,2,3-Trichlorobenzene	50.0	48.9		ug/L		98	61 - 141	2	20
1,2,4-Trichlorobenzene	50.0	51.0		ug/L		102	68 - 128	1	20
1,1,1-Trichloroethane	50.0	48.9		ug/L		98	80 - 120	1	20
1,1,2-Trichloroethane	50.0	45.8		ug/L		92	80 - 120	1	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-597773/4

Matrix: Water

Analysis Batch: 597773

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	50.3		ug/L		101	80 - 120	2	20
Trichlorofluoromethane	50.0	50.4		ug/L		101	60 - 141	0	20
1,2,3-Trichloropropane	50.0	43.4		ug/L		87	80 - 123	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.6		ug/L		99	79 - 124	1	20
1,2,4-Trimethylbenzene	50.0	48.8		ug/L		98	80 - 120	1	20
1,3,5-Trimethylbenzene	50.0	49.1		ug/L		98	80 - 120	0	20
Vinyl acetate	100	99.2		ug/L		99	67 - 135	0	20
Vinyl chloride	50.1	48.6		ug/L		97	71 - 128	0	20
Xylenes, Total	100	98.0		ug/L		98	80 - 120	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		73 - 131
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 680-598045/9

Matrix: Water

Analysis Batch: 598045

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			11/26/19 15:01	1
Acrylonitrile	10	U	20	10	ug/L			11/26/19 15:01	1
Benzene	0.43	U	1.0	0.43	ug/L			11/26/19 15:01	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/26/19 15:01	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/26/19 15:01	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/26/19 15:01	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/26/19 15:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/26/19 15:01	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/26/19 15:01	1
Carbon disulfide	1.07	J	2.0	1.0	ug/L			11/26/19 15:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/26/19 15:01	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/26/19 15:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/26/19 15:01	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/26/19 15:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/26/19 15:01	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/26/19 15:01	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/26/19 15:01	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/26/19 15:01	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/26/19 15:01	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/26/19 15:01	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/26/19 15:01	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/26/19 15:01	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/26/19 15:01	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/26/19 15:01	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/26/19 15:01	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/26/19 15:01	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/26/19 15:01	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: MB 680-598045/9

Matrix: Water

Analysis Batch: 598045

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			11/26/19 15:01	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/26/19 15:01	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/26/19 15:01	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/26/19 15:01	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/26/19 15:01	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/26/19 15:01	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/26/19 15:01	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/26/19 15:01	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/26/19 15:01	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/26/19 15:01	1
Iodomethane	5.0	U	10	5.0	ug/L			11/26/19 15:01	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/26/19 15:01	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/26/19 15:01	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/26/19 15:01	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/26/19 15:01	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/26/19 15:01	1
Naphthalene	2.88	J	5.0	2.5	ug/L			11/26/19 15:01	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/26/19 15:01	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/26/19 15:01	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/26/19 15:01	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/26/19 15:01	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/26/19 15:01	1
Styrene	0.27	U	1.0	0.27	ug/L			11/26/19 15:01	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/26/19 15:01	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/26/19 15:01	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/26/19 15:01	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/26/19 15:01	1
Toluene	0.48	U	1.0	0.48	ug/L			11/26/19 15:01	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/26/19 15:01	1
trans-1,2-Dichloroethene	0.375	J	1.0	0.37	ug/L			11/26/19 15:01	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/26/19 15:01	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/26/19 15:01	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/26/19 15:01	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/26/19 15:01	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/26/19 15:01	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/26/19 15:01	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/26/19 15:01	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/26/19 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/26/19 15:01	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/26/19 15:01	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/26/19 15:01	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/26/19 15:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/26/19 15:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/26/19 15:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/26/19 15:01	1
Dibromofluoromethane (Surr)	102		80 - 122		11/26/19 15:01	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: MB 680-598045/9

Matrix: Water

Analysis Batch: 598045

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		73 - 131		11/26/19 15:01	1
Toluene-d8 (Surr)	105		80 - 120		11/26/19 15:01	1

Lab Sample ID: LCS 680-598045/4

Matrix: Water

Analysis Batch: 598045

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	232		ug/L		93	70 - 135
Acrylonitrile	500	522		ug/L		104	80 - 123
Benzene	50.0	49.5		ug/L		99	80 - 120
Bromobenzene	50.0	52.2		ug/L		104	80 - 121
Bromochloromethane	50.0	53.3		ug/L		107	80 - 120
Bromodichloromethane	50.0	52.2		ug/L		104	80 - 120
Bromoform	50.0	46.6		ug/L		93	74 - 126
Bromomethane	50.0	53.3		ug/L		107	62 - 130
2-Butanone (MEK)	251	257		ug/L		103	80 - 131
Carbon disulfide	50.0	55.2		ug/L		110	80 - 120
Carbon tetrachloride	50.0	48.8		ug/L		98	76 - 123
Chlorobenzene	50.0	51.9		ug/L		104	80 - 120
Chloroethane	50.0	49.6		ug/L		99	66 - 135
Chloroform	50.0	53.1		ug/L		106	80 - 120
Chloromethane	50.0	58.6		ug/L		117	69 - 131
2-Chlorotoluene	50.0	53.6		ug/L		107	80 - 120
4-Chlorotoluene	50.0	53.4		ug/L		107	80 - 120
cis-1,2-Dichloroethene	50.0	55.7		ug/L		111	80 - 120
cis-1,3-Dichloropropene	50.0	53.5		ug/L		107	80 - 120
Dibromochloromethane	50.0	49.6		ug/L		99	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/L		101	71 - 134
1,2-Dibromoethane	50.0	52.1		ug/L		104	80 - 120
Dibromomethane	50.0	52.2		ug/L		104	80 - 120
1,2-Dichlorobenzene	50.0	52.1		ug/L		104	80 - 120
1,3-Dichlorobenzene	50.0	51.4		ug/L		103	80 - 120
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 120
Dichlorodifluoromethane	50.0	51.6		ug/L		103	47 - 155
1,1-Dichloroethane	50.0	53.4		ug/L		107	80 - 120
1,2-Dichloroethane	50.0	53.1		ug/L		106	80 - 120
1,1-Dichloroethene	50.0	51.5		ug/L		103	76 - 120
1,2-Dichloropropane	50.0	53.7		ug/L		107	80 - 120
1,3-Dichloropropane	50.0	50.4		ug/L		101	80 - 120
2,2-Dichloropropane	50.0	60.6		ug/L		121	76 - 126
1,1-Dichloropropene	50.0	52.4		ug/L		105	80 - 120
Ethylbenzene	50.0	51.6		ug/L		103	80 - 120
Hexachlorobutadiene	50.0	67.9		ug/L		136	60 - 140
2-Hexanone	250	257		ug/L		103	74 - 127
Iodomethane	50.0	51.1		ug/L		102	52 - 142
Isopropylbenzene	50.0	53.8		ug/L		108	80 - 120
Methylene Chloride	50.0	52.1		ug/L		104	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-598045/4

Matrix: Water

Analysis Batch: 598045

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	250	244		ug/L		97	76 - 124
Methyl tert-butyl ether	50.0	51.7		ug/L		103	80 - 120
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	80 - 120
Naphthalene	50.0	63.6		ug/L		127	59 - 140
n-Butylbenzene	50.0	50.0		ug/L		100	80 - 120
N-Propylbenzene	50.0	53.4		ug/L		107	80 - 120
o-Xylene	50.0	52.0		ug/L		104	80 - 120
p-Isopropyltoluene	50.0	53.7		ug/L		107	80 - 120
sec-Butylbenzene	50.0	55.6		ug/L		111	80 - 120
Styrene	50.0	53.0		ug/L		106	80 - 120
tert-Butylbenzene	50.0	53.9		ug/L		108	80 - 121
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/L		103	80 - 121
1,1,2,2-Tetrachloroethane	50.0	48.9		ug/L		98	80 - 120
Tetrachloroethylene	50.0	55.1		ug/L		110	80 - 121
Toluene	50.0	54.6		ug/L		109	80 - 113
trans-1,4-Dichloro-2-butene	50.0	44.3		ug/L		89	68 - 125
trans-1,2-Dichloroethene	50.0	51.8		ug/L		104	80 - 120
trans-1,3-Dichloropropene	50.0	53.4		ug/L		107	80 - 120
1,2,3-Trichlorobenzene	50.0	65.1		ug/L		130	61 - 141
1,2,4-Trichlorobenzene	50.0	58.1		ug/L		116	68 - 128
1,1,1-Trichloroethane	50.0	51.1		ug/L		102	80 - 120
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	80 - 120
Trichloroethene	50.0	53.8		ug/L		108	80 - 120
Trichlorofluoromethane	50.0	50.5		ug/L		101	60 - 141
1,2,3-Trichloropropane	50.0	48.9		ug/L		98	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.4		ug/L		99	79 - 124
1,2,4-Trimethylbenzene	50.0	54.8		ug/L		110	80 - 120
1,3,5-Trimethylbenzene	50.0	54.4		ug/L		109	80 - 120
Vinyl acetate	100	114		ug/L		113	67 - 135
Vinyl chloride	50.0	53.4		ug/L		107	71 - 128
Xylenes, Total	100	102		ug/L		102	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	108		80 - 122
1,2-Dichloroethane-d4 (Surr)	97		73 - 131
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: LCSD 680-598045/5

Matrix: Water

Analysis Batch: 598045

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	224		ug/L		89	70 - 135	4	30
Acrylonitrile	500	515		ug/L		103	80 - 123	1	20
Benzene	50.0	50.2		ug/L		100	80 - 120	2	20
Bromobenzene	50.0	51.3		ug/L		103	80 - 121	2	20
Bromochloromethane	50.0	53.8		ug/L		108	80 - 120	1	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-598045/5

Matrix: Water

Analysis Batch: 598045

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	52.1		ug/L		104	80 - 120	0	20
Bromoform	50.0	45.4		ug/L		91	74 - 126	3	20
Bromomethane	50.0	48.8		ug/L		98	62 - 130	9	20
2-Butanone (MEK)	251	255		ug/L		102	80 - 131	1	20
Carbon disulfide	50.0	56.2		ug/L		112	80 - 120	2	20
Carbon tetrachloride	50.0	48.9		ug/L		98	76 - 123	0	20
Chlorobenzene	50.0	52.4		ug/L		105	80 - 120	1	20
Chloroethane	50.0	48.9		ug/L		98	66 - 135	1	20
Chloroform	50.0	52.9		ug/L		106	80 - 120	0	20
Chloromethane	50.0	58.0		ug/L		116	69 - 131	1	30
2-Chlorotoluene	50.0	53.0		ug/L		106	80 - 120	1	20
4-Chlorotoluene	50.0	53.2		ug/L		106	80 - 120	0	20
cis-1,2-Dichloroethene	50.0	55.2		ug/L		110	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	53.0		ug/L		106	80 - 120	1	20
Dibromochloromethane	50.0	49.4		ug/L		99	80 - 121	0	20
1,2-Dibromo-3-Chloropropane	50.0	49.9		ug/L		100	71 - 134	2	20
1,2-Dibromoethane	50.0	50.5		ug/L		101	80 - 120	3	20
Dibromomethane	50.0	51.9		ug/L		104	80 - 120	1	20
1,2-Dichlorobenzene	50.0	51.3		ug/L		103	80 - 120	1	20
1,3-Dichlorobenzene	50.0	51.9		ug/L		104	80 - 120	1	20
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	80 - 120	1	20
Dichlorodifluoromethane	50.0	47.4		ug/L		95	47 - 155	8	40
1,1-Dichloroethane	50.0	52.0		ug/L		104	80 - 120	3	20
1,2-Dichloroethane	50.0	51.0		ug/L		102	80 - 120	4	50
1,1-Dichloroethene	50.0	52.1		ug/L		104	76 - 120	1	20
1,2-Dichloropropane	50.0	52.2		ug/L		104	80 - 120	3	20
1,3-Dichloropropane	50.0	51.0		ug/L		102	80 - 120	1	20
2,2-Dichloropropane	50.0	59.8		ug/L		120	76 - 126	1	20
1,1-Dichloropropene	50.0	52.1		ug/L		104	80 - 120	1	20
Ethylbenzene	50.0	52.0		ug/L		104	80 - 120	1	20
Hexachlorobutadiene	50.0	65.4		ug/L		131	60 - 140	4	20
2-Hexanone	250	251		ug/L		100	74 - 127	2	20
Iodomethane	50.0	50.7		ug/L		101	52 - 142	1	30
Isopropylbenzene	50.0	52.7		ug/L		105	80 - 120	2	20
Methylene Chloride	50.0	50.4		ug/L		101	80 - 120	3	20
4-Methyl-2-pentanone	250	235		ug/L		94	76 - 124	4	20
Methyl tert-butyl ether	50.0	50.6		ug/L		101	80 - 120	2	20
m-Xylene & p-Xylene	50.0	49.6		ug/L		99	80 - 120	1	20
Naphthalene	50.0	62.8		ug/L		126	59 - 140	1	20
n-Butylbenzene	50.0	50.6		ug/L		101	80 - 120	1	20
N-Propylbenzene	50.0	52.8		ug/L		106	80 - 120	1	20
o-Xylene	50.0	52.7		ug/L		105	80 - 120	1	30
p-Isopropyltoluene	50.0	54.6		ug/L		109	80 - 120	2	20
sec-Butylbenzene	50.0	54.6		ug/L		109	80 - 120	2	20
Styrene	50.0	53.0		ug/L		106	80 - 120	0	20
tert-Butylbenzene	50.0	53.7		ug/L		107	80 - 121	0	20
1,1,1,2-Tetrachloroethane	50.0	51.0		ug/L		102	80 - 121	1	20
1,1,1,2,2-Tetrachloroethane	50.0	48.0		ug/L		96	80 - 120	2	20
Tetrachloroethylene	50.0	54.5		ug/L		109	80 - 121	1	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-598045/5

Matrix: Water

Analysis Batch: 598045

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	55.0		ug/L		110	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	48.9		ug/L		98	68 - 125	10	30
trans-1,2-Dichloroethene	50.0	53.7		ug/L		107	80 - 120	4	20
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	80 - 120	2	30
1,2,3-Trichlorobenzene	50.0	63.6		ug/L		127	61 - 141	2	20
1,2,4-Trichlorobenzene	50.0	57.3		ug/L		115	68 - 128	1	20
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	80 - 120	1	20
1,1,2-Trichloroethane	50.0	49.7		ug/L		99	80 - 120	3	20
Trichloroethene	50.0	53.1		ug/L		106	80 - 120	1	20
Trichlorofluoromethane	50.0	49.1		ug/L		98	60 - 141	3	20
1,2,3-Trichloropropane	50.0	48.0		ug/L		96	80 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.8		ug/L		100	79 - 124	1	20
1,2,4-Trimethylbenzene	50.0	54.7		ug/L		109	80 - 120	0	20
1,3,5-Trimethylbenzene	50.0	53.8		ug/L		108	80 - 120	1	20
Vinyl acetate	100	111		ug/L		111	67 - 135	2	20
Vinyl chloride	50.0	51.5		ug/L		103	71 - 128	4	20
Xylenes, Total	100	102		ug/L		102	80 - 120	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	106		80 - 122
1,2-Dichloroethane-d4 (Surr)	97		73 - 131
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: MB 680-598866/10

Matrix: Water

Analysis Batch: 598866

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			12/03/19 14:41	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 14:41	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 14:41	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			12/03/19 14:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 14:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 14:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 14:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 14:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 14:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 14:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 14:41	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 14:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 14:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 14:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 14:41	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			12/03/19 14:41	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			12/03/19 14:41	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/03/19 14:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 14:41	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: MB 680-598866/10

Matrix: Water

Analysis Batch: 598866

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			12/03/19 14:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 14:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 14:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 14:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 14:41	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			12/03/19 14:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 14:41	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			12/03/19 14:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 14:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 14:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 14:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 14:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 14:41	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			12/03/19 14:41	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			12/03/19 14:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 14:41	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			12/03/19 14:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 14:41	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 14:41	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			12/03/19 14:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 14:41	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			12/03/19 14:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 14:41	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			12/03/19 14:41	1
Naphthalene	2.5	U	5.0	2.5	ug/L			12/03/19 14:41	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			12/03/19 14:41	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			12/03/19 14:41	1
o-Xylene	0.23	U	1.0	0.23	ug/L			12/03/19 14:41	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			12/03/19 14:41	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			12/03/19 14:41	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 14:41	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			12/03/19 14:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 14:41	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/03/19 14:41	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/03/19 14:41	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 14:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 14:41	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/03/19 14:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 14:41	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			12/03/19 14:41	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			12/03/19 14:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 14:41	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/03/19 14:41	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/03/19 14:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 14:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 14:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			12/03/19 14:41	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			12/03/19 14:41	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			12/03/19 14:41	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: MB 680-598866/10

Matrix: Water

Analysis Batch: 598866

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			12/03/19 14:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 14:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 14:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		80 - 120		12/03/19 14:41	1
Dibromofluoromethane (Surr)	105		80 - 122		12/03/19 14:41	1
1,2-Dichloroethane-d4 (Surr)	73		73 - 131		12/03/19 14:41	1
Toluene-d8 (Surr)	116		80 - 120		12/03/19 14:41	1

Lab Sample ID: LCS 680-598866/4

Matrix: Water

Analysis Batch: 598866

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	193		ug/L		77	70 - 135
Acrylonitrile	500	426		ug/L		85	80 - 123
Benzene	50.0	50.5		ug/L		101	80 - 120
Bromobenzene	50.0	61.6	*	ug/L		123	80 - 121
Bromochloromethane	50.0	59.1		ug/L		118	80 - 120
Bromodichloromethane	50.0	45.8		ug/L		92	80 - 120
Bromoform	50.0	59.0		ug/L		118	74 - 126
Bromomethane	50.1	102	E *	ug/L		203	62 - 130
2-Butanone (MEK)	250	223		ug/L		89	80 - 131
Carbon disulfide	50.0	51.2		ug/L		102	80 - 120
Carbon tetrachloride	50.0	50.0		ug/L		100	76 - 123
Chlorobenzene	50.0	60.2		ug/L		120	80 - 120
Chloroethane	50.0	46.1		ug/L		92	66 - 135
Chloroform	50.0	47.6		ug/L		95	80 - 120
Chloromethane	50.0	39.4		ug/L		79	69 - 131
2-Chlorotoluene	50.0	53.5		ug/L		107	80 - 120
4-Chlorotoluene	50.0	53.3		ug/L		107	80 - 120
cis-1,2-Dichloroethene	50.0	45.0		ug/L		90	80 - 120
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	80 - 120
Dibromochloromethane	50.0	53.5		ug/L		107	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	45.5		ug/L		91	71 - 134
1,2-Dibromoethane	50.0	51.8		ug/L		104	80 - 120
Dibromomethane	50.0	48.8		ug/L		98	80 - 120
1,2-Dichlorobenzene	50.0	52.2		ug/L		104	80 - 120
1,3-Dichlorobenzene	50.0	51.8		ug/L		104	80 - 120
1,4-Dichlorobenzene	50.0	50.3		ug/L		101	80 - 120
Dichlorodifluoromethane	50.1	47.3		ug/L		95	47 - 155
1,1-Dichloroethane	50.0	47.1		ug/L		94	80 - 120
1,2-Dichloroethane	50.0	42.2		ug/L		84	80 - 120
1,1-Dichloroethene	50.0	51.7		ug/L		103	76 - 120
1,2-Dichloropropane	50.0	48.8		ug/L		98	80 - 120
1,3-Dichloropropane	50.0	50.6		ug/L		101	80 - 120
2,2-Dichloropropane	50.0	46.6		ug/L		93	76 - 126

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-598866/4

Matrix: Water

Analysis Batch: 598866

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	50.9		ug/L		102	80 - 120
Ethylbenzene	50.0	56.1		ug/L		112	80 - 120
Hexachlorobutadiene	50.0	55.4		ug/L		111	60 - 140
2-Hexanone	250	177	*	ug/L		71	74 - 127
Iodomethane	50.0	55.1		ug/L		110	52 - 142
Isopropylbenzene	50.0	57.6		ug/L		115	80 - 120
Methylene Chloride	50.0	49.2		ug/L		98	80 - 120
4-Methyl-2-pentanone	250	191		ug/L		76	76 - 124
Methyl tert-butyl ether	50.0	43.6		ug/L		87	80 - 120
m-Xylene & p-Xylene	50.0	54.1		ug/L		108	80 - 120
Naphthalene	50.0	47.3		ug/L		95	59 - 140
n-Butylbenzene	50.0	46.7		ug/L		93	80 - 120
N-Propylbenzene	50.0	55.6		ug/L		111	80 - 120
o-Xylene	50.0	54.6		ug/L		109	80 - 120
p-Isopropyltoluene	50.0	49.7		ug/L		99	80 - 120
sec-Butylbenzene	50.0	57.4		ug/L		115	80 - 120
Styrene	50.0	56.6		ug/L		113	80 - 120
tert-Butylbenzene	50.0	58.3		ug/L		117	80 - 121
1,1,1,2-Tetrachloroethane	50.0	59.2		ug/L		118	80 - 121
1,1,2,2-Tetrachloroethane	50.0	51.6		ug/L		103	80 - 120
Tetrachloroethylene	50.0	61.2	*	ug/L		122	80 - 121
Toluene	50.0	54.0		ug/L		108	80 - 113
trans-1,4-Dichloro-2-butene	50.0	40.6		ug/L		81	68 - 125
trans-1,2-Dichloroethene	50.0	51.9		ug/L		104	80 - 120
trans-1,3-Dichloropropene	50.0	48.8		ug/L		98	80 - 120
1,2,3-Trichlorobenzene	50.0	52.4		ug/L		105	61 - 141
1,2,4-Trichlorobenzene	50.0	54.2		ug/L		108	68 - 128
1,1,1-Trichloroethane	50.0	46.9		ug/L		94	80 - 120
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	80 - 120
Trichloroethene	50.0	58.9		ug/L		118	80 - 120
Trichlorofluoromethane	50.0	50.1		ug/L		100	60 - 141
1,2,3-Trichloropropane	50.0	52.8		ug/L		106	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	58.4		ug/L		117	79 - 124
1,2,4-Trimethylbenzene	50.0	55.8		ug/L		112	80 - 120
1,3,5-Trimethylbenzene	50.0	55.7		ug/L		111	80 - 120
Vinyl acetate	100	97.7		ug/L		98	67 - 135
Vinyl chloride	50.1	47.8		ug/L		95	71 - 128
Xylenes, Total	100	109		ug/L		109	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		80 - 120
Dibromofluoromethane (Surr)	110		80 - 122
1,2-Dichloroethane-d4 (Surr)	83		73 - 131
Toluene-d8 (Surr)	117		80 - 120

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-598866/5

Matrix: Water

Analysis Batch: 598866

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	193		ug/L		77	70 - 135	0	30
Acrylonitrile	500	408		ug/L		82	80 - 123	4	20
Benzene	50.0	50.4		ug/L		101	80 - 120	0	20
Bromobenzene	50.0	59.9		ug/L		120	80 - 121	3	20
Bromochloromethane	50.0	57.5		ug/L		115	80 - 120	3	20
Bromodichloromethane	50.0	44.4		ug/L		89	80 - 120	3	20
Bromoform	50.0	56.5		ug/L		113	74 - 126	4	20
Bromomethane	50.1	106	E *	ug/L		211	62 - 130	4	20
2-Butanone (MEK)	250	213		ug/L		85	80 - 131	5	20
Carbon disulfide	50.0	51.5		ug/L		103	80 - 120	1	20
Carbon tetrachloride	50.0	49.4		ug/L		99	76 - 123	1	20
Chlorobenzene	50.0	59.4		ug/L		119	80 - 120	1	20
Chloroethane	50.0	46.0		ug/L		92	66 - 135	0	20
Chloroform	50.0	47.4		ug/L		95	80 - 120	0	20
Chloromethane	50.0	38.9		ug/L		78	69 - 131	1	30
2-Chlorotoluene	50.0	53.3		ug/L		107	80 - 120	0	20
4-Chlorotoluene	50.0	52.0		ug/L		104	80 - 120	2	20
cis-1,2-Dichloroethene	50.0	44.0		ug/L		88	80 - 120	2	20
cis-1,3-Dichloropropene	50.0	48.6		ug/L		97	80 - 120	2	20
Dibromochloromethane	50.0	51.2		ug/L		102	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	42.7		ug/L		85	71 - 134	6	20
1,2-Dibromoethane	50.0	49.9		ug/L		100	80 - 120	4	20
Dibromomethane	50.0	47.4		ug/L		95	80 - 120	3	20
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	80 - 120	2	20
1,3-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120	1	20
1,4-Dichlorobenzene	50.0	49.4		ug/L		99	80 - 120	2	20
Dichlorodifluoromethane	50.1	45.6		ug/L		91	47 - 155	4	40
1,1-Dichloroethane	50.0	46.9		ug/L		94	80 - 120	1	20
1,2-Dichloroethane	50.0	40.4		ug/L		81	80 - 120	4	50
1,1-Dichloroethene	50.0	51.1		ug/L		102	76 - 120	1	20
1,2-Dichloropropane	50.0	47.7		ug/L		95	80 - 120	2	20
1,3-Dichloropropane	50.0	48.1		ug/L		96	80 - 120	5	20
2,2-Dichloropropane	50.0	46.3		ug/L		93	76 - 126	1	20
1,1-Dichloropropene	50.0	51.4		ug/L		103	80 - 120	1	20
Ethylbenzene	50.0	55.1		ug/L		110	80 - 120	2	20
Hexachlorobutadiene	50.0	54.4		ug/L		109	60 - 140	2	20
2-Hexanone	250	169	*	ug/L		68	74 - 127	5	20
Iodomethane	50.0	55.5		ug/L		111	52 - 142	1	30
Isopropylbenzene	50.0	56.8		ug/L		114	80 - 120	2	20
Methylene Chloride	50.0	47.8		ug/L		96	80 - 120	3	20
4-Methyl-2-pentanone	250	181	*	ug/L		73	76 - 124	5	20
Methyl tert-butyl ether	50.0	42.1		ug/L		84	80 - 120	3	20
m-Xylene & p-Xylene	50.0	53.7		ug/L		107	80 - 120	1	20
Naphthalene	50.0	45.9		ug/L		92	59 - 140	3	20
n-Butylbenzene	50.0	47.0		ug/L		94	80 - 120	1	20
N-Propylbenzene	50.0	54.9		ug/L		110	80 - 120	1	20
o-Xylene	50.0	53.6		ug/L		107	80 - 120	2	30
p-Isopropyltoluene	50.0	49.6		ug/L		99	80 - 120	0	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCSD 680-598866/5

Matrix: Water

Analysis Batch: 598866

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	57.0		ug/L		114	80 - 120	1	20
Styrene	50.0	55.4		ug/L		111	80 - 120	2	20
tert-Butylbenzene	50.0	58.5		ug/L		117	80 - 121	0	20
1,1,1,2-Tetrachloroethane	50.0	58.5		ug/L		117	80 - 121	1	20
1,1,2,2-Tetrachloroethane	50.0	49.6		ug/L		99	80 - 120	4	20
Tetrachloroethylene	50.0	60.2		ug/L		120	80 - 121	2	20
Toluene	50.0	53.5		ug/L		107	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	39.6		ug/L		79	68 - 125	3	30
trans-1,2-Dichloroethene	50.0	52.5		ug/L		105	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	47.9		ug/L		96	80 - 120	2	30
1,2,3-Trichlorobenzene	50.0	51.4		ug/L		103	61 - 141	2	20
1,2,4-Trichlorobenzene	50.0	52.6		ug/L		105	68 - 128	3	20
1,1,1-Trichloroethane	50.0	46.8		ug/L		94	80 - 120	0	20
1,1,2-Trichloroethane	50.0	47.1		ug/L		94	80 - 120	6	20
Trichloroethene	50.0	57.9		ug/L		116	80 - 120	2	20
Trichlorofluoromethane	50.0	49.4		ug/L		99	60 - 141	1	20
1,2,3-Trichloropropane	50.0	50.5		ug/L		101	80 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	57.1		ug/L		114	79 - 124	2	20
1,2,4-Trimethylbenzene	50.0	54.1		ug/L		108	80 - 120	3	20
1,3,5-Trimethylbenzene	50.0	54.8		ug/L		110	80 - 120	2	20
Vinyl acetate	100	93.4		ug/L		93	67 - 135	4	20
Vinyl chloride	50.1	48.3		ug/L		96	71 - 128	1	20
Xylenes, Total	100	107		ug/L		107	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	84		80 - 120
Dibromofluoromethane (Surr)	108		80 - 122
1,2-Dichloroethane-d4 (Surr)	79		73 - 131
Toluene-d8 (Surr)	115		80 - 120

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-597746/7

Matrix: Water

Analysis Batch: 597746

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			11/25/19 07:20	1
Ethylene	0.50	U	1.0	0.50	ug/L			11/25/19 07:20	1
Methane	0.29	U	0.58	0.29	ug/L			11/25/19 07:20	1
Methane (TCD)	39	U	390	39	ug/L			11/25/19 07:20	1

Lab Sample ID: LCS 680-597746/2

Matrix: Water

Analysis Batch: 597746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	266		ug/L		92	75 - 125

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

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

Lab Sample ID: LCS 680-597746/2

Matrix: Water

Analysis Batch: 597746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene	269	250		ug/L		93	75 - 125
Methane	154	148		ug/L		97	75 - 125

Lab Sample ID: LCS 680-597746/5

Matrix: Water

Analysis Batch: 597746

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	2310		ug/L		120	75 - 125

Lab Sample ID: LCSD 680-597746/3

Matrix: Water

Analysis Batch: 597746

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	2	30
Ethylene	269	246		ug/L		91	75 - 125	2	30
Methane	154	146		ug/L		95	75 - 125	1	30

Lab Sample ID: LCSD 680-597746/6

Matrix: Water

Analysis Batch: 597746

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	2050		ug/L		107	75 - 125	12	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-597087/2

Matrix: Water

Analysis Batch: 597087

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			11/19/19 21:01	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/19/19 21:01	1

Lab Sample ID: LCS 680-597087/3

Matrix: Water

Analysis Batch: 597087

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	20.0		mg/L		100	80 - 120
Total Organic Carbon - Quad	20.0	20.0		mg/L		100	80 - 120
TOC Result 1	20.0	19.7		mg/L		99	80 - 120
TOC Result 2	20.0	20.1		mg/L		101	80 - 120
TOC Result 3	20.0	19.8		mg/L		99	80 - 120
TOC Result 4	20.0	20.2		mg/L		101	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176985-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCSD 680-597087/4

Matrix: Water

Analysis Batch: 597087

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	20.0		mg/L		100	80 - 120	0	25
Total Organic Carbon - Quad	20.0	20.0		mg/L		100	80 - 120	0	25
TOC Result 1	20.0	19.7		mg/L		98	80 - 120	0	25
TOC Result 2	20.0	20.1		mg/L		101	80 - 120	0	25
TOC Result 3	20.0	20.1		mg/L		101	80 - 120	2	25
TOC Result 4	20.0	20.2		mg/L		101	80 - 120	0	25

QC Association Summary

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

Job ID: 680-176985-1

GC/MS VOA

Analysis Batch: 597216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176985-1	OLF-G31	Total/NA	Water	8260B	
680-176985-2	OLF-G32	Total/NA	Water	8260B	
680-176985-6	OLF-G52	Total/NA	Water	8260B	
680-176985-21	OLF-G73 Port 1	Total/NA	Water	8260B	
680-176985-22	OLF-G73 Port 2	Total/NA	Water	8260B	
680-176985-23	OLF-G73 Port 3	Total/NA	Water	8260B	
680-176985-24	OLF-G73 Port 4	Total/NA	Water	8260B	
680-176985-25	OLF-G73 Port 5	Total/NA	Water	8260B	
MB 680-597216/11	Method Blank	Total/NA	Water	8260B	
LCS 680-597216/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-597216/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 597626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176985-8	OLF-G71 Port 1	Total/NA	Water	8260B	
680-176985-9	OLF-G71 Port 2	Total/NA	Water	8260B	
680-176985-10	OLF-G71 Port 3	Total/NA	Water	8260B	
680-176985-11	OLF-G71 Port 4	Total/NA	Water	8260B	
680-176985-12	OLF-G71 Port 5	Total/NA	Water	8260B	
680-176985-16	OLF-G75 Screen 4	Total/NA	Water	8260B	
680-176985-17	OLF-G75 Screen 5	Total/NA	Water	8260B	
680-176985-18	OLF-G75 Screen 6	Total/NA	Water	8260B	
MB 680-597626/9	Method Blank	Total/NA	Water	8260B	
LCS 680-597626/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-597626/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 597773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176985-3	OLF-G49	Total/NA	Water	8260B	
680-176985-4	OLF-G50	Total/NA	Water	8260B	
680-176985-5	OLF-G51	Total/NA	Water	8260B	
680-176985-7	PPMP-229-GP12	Total/NA	Water	8260B	
680-176985-13	OLF-G75 Screen 1	Total/NA	Water	8260B	
680-176985-14	OLF-G75 Screen 2	Total/NA	Water	8260B	
680-176985-15	OLF-G75 Screen 3	Total/NA	Water	8260B	
MB 680-597773/9	Method Blank	Total/NA	Water	8260B	
LCS 680-597773/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-597773/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 598045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176985-19	TB543	Total/NA	Water	8260B	
MB 680-598045/9	Method Blank	Total/NA	Water	8260B	
LCS 680-598045/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-598045/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 598866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176985-20	DUP335	Total/NA	Water	8260B	
MB 680-598866/10	Method Blank	Total/NA	Water	8260B	
LCS 680-598866/4	Lab Control Sample	Total/NA	Water	8260B	

Eurofins TestAmerica, Savannah

QC Association Summary

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

Job ID: 680-176985-1

GC/MS VOA (Continued)

Analysis Batch: 598866 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-598866/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 597746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176985-21	OLF-G73 Port 1	Total/NA	Water	RSK-175	
680-176985-22	OLF-G73 Port 2	Total/NA	Water	RSK-175	
680-176985-23	OLF-G73 Port 3	Total/NA	Water	RSK-175	
680-176985-24	OLF-G73 Port 4	Total/NA	Water	RSK-175	
680-176985-25	OLF-G73 Port 5	Total/NA	Water	RSK-175	
MB 680-597746/7	Method Blank	Total/NA	Water	RSK-175	
LCS 680-597746/2	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-597746/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-597746/3	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-597746/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 597087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176985-21	OLF-G73 Port 1	Total/NA	Water	9060A	
680-176985-22	OLF-G73 Port 2	Total/NA	Water	9060A	
680-176985-23	OLF-G73 Port 3	Total/NA	Water	9060A	
680-176985-24	OLF-G73 Port 4	Total/NA	Water	9060A	
680-176985-25	OLF-G73 Port 5	Total/NA	Water	9060A	
MB 680-597087/2	Method Blank	Total/NA	Water	9060A	
LCS 680-597087/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-597087/4	Lab Control Sample Dup	Total/NA	Water	9060A	

Lab Chronicle

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

Job ID: 680-176985-1

Client Sample ID: OLF-G31

Date Collected: 11/11/19 13:30

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-1

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	597216	11/21/19 21:50	P1C	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G32

Date Collected: 11/11/19 11:55

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-2

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	597216	11/21/19 17:41	P1C	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: OLF-G49

Date Collected: 11/13/19 15:31

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-3

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	597773	11/25/19 17:03	EMA	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G50

Date Collected: 11/13/19 13:51

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-4

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	597773	11/25/19 17:28	EMA	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G51

Date Collected: 11/13/19 11:26

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-5

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	597773	11/25/19 17:52	EMA	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G52

Date Collected: 11/11/19 15:55

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-6

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	597216	11/21/19 18:06	P1C	TAL SAV
Instrument ID: CMSO2										

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Lab Chronicle

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

Job ID: 680-176985-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-176985-7

Date Collected: 11/13/19 16:15

Matrix: Water

Date Received: 11/15/19 09:40

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	597773	11/25/19 18:16	EMA	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-176985-8

Date Collected: 11/12/19 10:30

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 18:45	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-176985-9

Date Collected: 11/12/19 10:50

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 19:09	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-176985-10

Date Collected: 11/12/19 11:20

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 19:34	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-176985-11

Date Collected: 11/12/19 11:45

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 19:58	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-176985-12

Date Collected: 11/12/19 12:05

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 20:22	P1C	TAL SAV
Instrument ID: CMSAA										

Lab Chronicle

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

Job ID: 680-176985-1

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-176985-13

Date Collected: 11/13/19 12:20

Matrix: Water

Date Received: 11/15/19 09:40

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	597773	11/25/19 18:40	EMA	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-176985-14

Date Collected: 11/13/19 10:55

Matrix: Water

Date Received: 11/15/19 09:40

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	597773	11/25/19 19:04	EMA	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-176985-15

Date Collected: 11/13/19 09:20

Matrix: Water

Date Received: 11/15/19 09:40

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	597773	11/25/19 19:29	EMA	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-176985-16

Date Collected: 11/12/19 15:30

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 20:47	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-176985-17

Date Collected: 11/12/19 14:00

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 21:11	P1C	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G75 Screen 6

Lab Sample ID: 680-176985-18

Date Collected: 11/12/19 11:00

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 21:35	P1C	TAL SAV
Instrument ID: CMSAA										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-176985-1

Client Sample ID: TB543

Date Collected: 11/14/19 09:00

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-19

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	598045	11/26/19 18:21	UI	TAL SAV
Instrument ID: CMSO2										

Client Sample ID: DUP335

Date Collected: 11/11/19 00:00

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-20

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	598866	12/03/19 17:00	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G73 Port 1

Date Collected: 11/11/19 14:30

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-21

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	597216	11/21/19 18:31	P1C	TAL SAV
Instrument ID: CMSO2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 12:48	MYD	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	597087	11/20/19 01:53	RKJ	TAL SAV
Instrument ID: TOC7										

Client Sample ID: OLF-G73 Port 2

Date Collected: 11/11/19 14:50

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-22

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	597216	11/21/19 18:56	P1C	TAL SAV
Instrument ID: CMSO2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 13:18	MYD	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	597087	11/20/19 02:11	RKJ	TAL SAV
Instrument ID: TOC7										

Client Sample ID: OLF-G73 Port 3

Date Collected: 11/11/19 15:10

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176985-23

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	597216	11/21/19 19:21	P1C	TAL SAV
Instrument ID: CMSO2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 13:31	MYD	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	597087	11/20/19 02:28	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: 680-176985-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-176985-24

Date Collected: 11/11/19 15:30

Matrix: Water

Date Received: 11/15/19 09:40

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	597216	11/21/19 19:46	P1C	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 13:44	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597087	11/20/19 02:46	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-176985-25

Date Collected: 11/11/19 15:50

Matrix: Water

Date Received: 11/15/19 09:40

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	597216	11/21/19 20:11	P1C	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 13:57	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597087	11/20/19 03:03	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: 680-176985-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

1
2
3
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11
12

Method Summary

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

Job ID: 680-176985-1

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 # 19.094.20-05.2.500
 Lab contract: _____

Cooler ID 5957 Page 1 of 2
 Cooler 1 of 2

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,F 3-40 mL vials, HCl	SW9060A - TOC 3-40 mL amber vials, H2SO4	SW8260B - VOC TB 2-40 mL vials, HCl
OLF-G31	NS	MW	Water	BP		11/11/2019	13:30	X			
OLF-G32	NS	MW	Water	BP		11/11/2019	11:55	X			
OLF-G49	NS	MW	Water	BP		11/13/2019	15:31	X			
OLF-G50	NS	MW	Water	BP		11/13/2019	13:51	X			
OLF-G51	NS	MW	Water	BP		11/13/2019	11:26	X			
OLF-G52	NS	MW	Water	BP		11/11/2019	15:55	X			
PPMP-229-GP12	NS	MW	Water	BP		11/13/2019	16:15	X			
OLF-G71 Port 1	NS	MW	Water	Grab		11/12/2019	10:30	X			
OLF-G71 Port 2	NS	MW	Water	Grab		11/12/2019	10:50	X			
OLF-G71 Port 3	NS	MW	Water	Grab		11/12/2019	11:20	X			
OLF-G71 Port 4	NS	MW	Water	Grab		11/12/2019	11:45	X			
OLF-G71 Port 5	NS	MW	Water	Grab		11/12/2019	12:05	X			
OLF-G75 Screen 1	NS	MW	Water	BP		11/13/2019	12:20	X			
OLF-G75 Screen 2	NS	MW	Water	BP		11/13/2019	10:55	X			
OLF-G75 Screen 3	NS	MW	Water	BP		11/13/2019	9:20	X			
OLF-G75 Screen 4	NS	MW	Water	BP		11/12/2019	15:30	X			
OLF-G75 Screen 5	NS	MW	Water	BP		11/12/2019	14:00	X			
OLF-G75 Screen 6	NS	MW	Water	BP		11/12/2019	11:00	X			
TB543	TB	TB	Water	Grab		11/14/2019	9:00				X
DUP335	FD	FD	Water	BP		11/11/2019	N/A	X			



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

Double the number of bottles for MS/MSD

Relinquished by (Signature): _____ Date/Time: 11-14-19 1606

Received by (Signature): _____ Date/Time: 11-15-19 940

Relinquished by (Signature): _____ Date/Time: 11-14-19 1606

Received by (Signature): _____ Date/Time: 11-15-19 940

Fedex

3.4/3.5 0.8/0.9

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 # 19.094.20-05.2.500

Lab contract:

Samplers Signature

[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

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

Date/Time:

Received by (Signature):

Date/Time:

Received by (Signature):

Fedex
Received by (Signature): *TSR* 11/15/19 940

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-176985-1

Login Number: 176985

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Weston, Pamela

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: 680-176987-1
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:
11/30/2019 3:33:04 PM

Jon Lawhon, Project Manager I
(912)250-0283
jon.lawhon@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 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: 680-176987-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
F1	MS and/or MSD Recovery is outside acceptance 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.

GC VOA

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Sample Summary

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

Job ID: 680-176987-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-176987-1	OLF-G72 Port 1	Water	11/12/19 14:20	11/15/19 09:40	
680-176987-2	OLF-G72 Port 2	Water	11/12/19 15:05	11/15/19 09:40	
680-176987-3	OLF-G72 Port 3	Water	11/12/19 15:35	11/15/19 09:40	
680-176987-4	OLF-G72 Port 4	Water	11/12/19 16:00	11/15/19 09:40	
680-176987-5	OLF-G72 Port 5	Water	11/12/19 16:20	11/15/19 09:40	
680-176987-6	OLF-G72 Port 6	Water	11/12/19 16:35	11/15/19 09:40	
680-176987-7	OLF-G74 Port 1	Water	11/11/19 10:55	11/15/19 09:40	
680-176987-8	OLF-G74 Port 2	Water	11/11/19 11:15	11/15/19 09:40	
680-176987-9	OLF-G74 Port 3	Water	11/11/19 11:30	11/15/19 09:40	
680-176987-10	OLF-G74 Port 4	Water	11/11/19 11:50	11/15/19 09:40	
680-176987-11	OLF-G74 Port 5	Water	11/11/19 12:10	11/15/19 09:40	
680-176987-12	TB544	Water	11/11/19 09:10	11/15/19 09:40	
680-176987-13	DUP337	Water	11/11/19 00:00	11/15/19 09:40	

Case Narrative

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

Job ID: 680-176987-1

Job ID: 680-176987-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE

Client: Matrix Environmental Services, LLC

Project: Parcel 80(6), Landfill 3

Report Number: 680-176987-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/15/2019 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.9° C and 3.5° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples OLF-G72 Port 1 (680-176987-1), OLF-G72 Port 2 (680-176987-2), OLF-G72 Port 3 (680-176987-3), OLF-G72 Port 4 (680-176987-4), OLF-G72 Port 5 (680-176987-5), OLF-G72 Port 6 (680-176987-6), OLF-G74 Port 1 (680-176987-7), OLF-G74 Port 2 (680-176987-8), OLF-G74 Port 3 (680-176987-9), OLF-G74 Port 4 (680-176987-10), OLF-G74 Port 5 (680-176987-11), TB544 (680-176987-12) and DUP337 (680-176987-13) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/21/2019, 11/22/2019 and 11/23/2019.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-597216.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-597216 recovered outside control limits for the following analytes: 2,2-Dichloropropane. This analyte was 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 680-597434.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-597635 recovered outside control limits for the following analytes: 1,1-Dichloroethene and Carbon disulfide. 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 680-597635 recovered outside control limits for the following analytes: Acrylonitrile. This analyte was biased high in the LCSD 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 680-597635.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-597481.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-597481 recovered outside control limits for the following analytes: 2,2-Dichloropropane.

Case Narrative

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

Job ID: 680-176987-1

Job ID: 680-176987-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-597626 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 matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 680-597626 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

DISSOLVED GASES

Samples OLF-G72 Port 1 (680-176987-1), OLF-G72 Port 2 (680-176987-2), OLF-G72 Port 3 (680-176987-3), OLF-G72 Port 4 (680-176987-4), OLF-G72 Port 5 (680-176987-5) and OLF-G72 Port 6 (680-176987-6) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 11/25/2019.

Method RSK-175: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 680-597746 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 have been reported and qualified.

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

TOTAL ORGANIC CARBON

Samples OLF-G72 Port 1 (680-176987-1), OLF-G72 Port 2 (680-176987-2), OLF-G72 Port 3 (680-176987-3), OLF-G72 Port 4 (680-176987-4), OLF-G72 Port 5 (680-176987-5), OLF-G72 Port 6 (680-176987-6), OLF-G74 Port 1 (680-176987-7), OLF-G74 Port 2 (680-176987-8), OLF-G74 Port 3 (680-176987-9), OLF-G74 Port 4 (680-176987-10), OLF-G74 Port 5 (680-176987-11) and DUP337 (680-176987-13) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 11/22/2019 and 11/26/2019.

Method 9060A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-597779 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 9060A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-598150 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-176987-1

Date Collected: 11/12/19 14:20

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	22		10	7.0	ug/L			11/23/19 23:12	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 23:12	1
Benzene	0.81	J	1.0	0.43	ug/L			11/23/19 23:12	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 23:12	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 23:12	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 23:12	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 23:12	1
Bromomethane	2.5	U F2	5.0	2.5	ug/L			11/23/19 23:12	1
2-Butanone (MEK)	10		10	3.4	ug/L			11/23/19 23:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 23:12	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 23:12	1
Chlorobenzene	39	F1	1.0	0.26	ug/L			11/23/19 23:12	1
Chloroethane	2.5	J	5.0	2.5	ug/L			11/23/19 23:12	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 23:12	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 23:12	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 23:12	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 23:12	1
cis-1,2-Dichloroethene	0.52	J	1.0	0.41	ug/L			11/23/19 23:12	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 23:12	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 23:12	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 23:12	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 23:12	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 23:12	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 23:12	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 23:12	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 23:12	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 23:12	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 23:12	1
1,2-Dichloroethane	5.6		1.0	0.50	ug/L			11/23/19 23:12	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 23:12	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 23:12	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 23:12	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 23:12	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 23:12	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 23:12	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 23:12	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 23:12	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 23:12	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 23:12	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 23:12	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 23:12	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 23:12	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 23:12	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 23:12	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 23:12	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 23:12	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 23:12	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 23:12	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 23:12	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-176987-1

Date Collected: 11/12/19 14:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 23:12	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 23:12	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 23:12	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 23:12	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 23:12	1
Toluene	3.0		1.0	0.48	ug/L			11/23/19 23:12	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 23:12	1
trans-1,2-Dichloroethene	0.82	J	1.0	0.37	ug/L			11/23/19 23:12	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 23:12	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 23:12	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 23:12	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 23:12	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 23:12	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/19 23:12	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 23:12	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 23:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 23:12	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 23:12	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 23:12	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 23:12	1
Vinyl chloride	0.81	J	1.0	0.50	ug/L			11/23/19 23:12	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		80 - 120		11/23/19 23:12	1
Dibromofluoromethane (Surr)	98		80 - 122		11/23/19 23:12	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131		11/23/19 23:12	1
Toluene-d8 (Surr)	100		80 - 120		11/23/19 23:12	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	25		1.1	0.55	ug/L			11/25/19 08:50	1
Ethylene	180		1.0	0.50	ug/L			11/25/19 08:50	1
Methane (TCD)	36000		390	39	ug/L			11/25/19 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	27	F1	1.0	0.50	mg/L			11/26/19 08:26	1
Total Organic Carbon - Quad	27	F1	1.0	0.50	mg/L			11/26/19 08:26	1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-176987-2

Date Collected: 11/12/19 15:05

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 21:59	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 21:59	1
Benzene	1.0		1.0	0.43	ug/L			11/23/19 21:59	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 21:59	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 21:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-176987-2

Date Collected: 11/12/19 15:05

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 21:59	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 21:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 21:59	1
2-Butanone (MEK)	11		10	3.4	ug/L			11/23/19 21:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 21:59	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 21:59	1
Chlorobenzene	17		1.0	0.26	ug/L			11/23/19 21:59	1
Chloroethane	5.8		5.0	2.5	ug/L			11/23/19 21:59	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 21:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 21:59	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 21:59	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 21:59	1
cis-1,2-Dichloroethene	4.4		1.0	0.41	ug/L			11/23/19 21:59	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 21:59	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 21:59	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 21:59	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 21:59	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 21:59	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 21:59	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 21:59	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 21:59	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 21:59	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 21:59	1
1,2-Dichloroethane	3.2		1.0	0.50	ug/L			11/23/19 21:59	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 21:59	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 21:59	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 21:59	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 21:59	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 21:59	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 21:59	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 21:59	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 21:59	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 21:59	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 21:59	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 21:59	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 21:59	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 21:59	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 21:59	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 21:59	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 21:59	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 21:59	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 21:59	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 21:59	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 21:59	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 21:59	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 21:59	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 21:59	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 21:59	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 21:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-176987-2

Date Collected: 11/12/19 15:05

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	6.5		1.0	0.48	ug/L			11/23/19 21:59	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 21:59	1
trans-1,2-Dichloroethene	5.6		1.0	0.37	ug/L			11/23/19 21:59	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 21:59	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 21:59	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 21:59	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 21:59	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 21:59	1
Trichloroethene	0.61	J	1.0	0.48	ug/L			11/23/19 21:59	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 21:59	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 21:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 21:59	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 21:59	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 21:59	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 21:59	1
Vinyl chloride	1.0		1.0	0.50	ug/L			11/23/19 21:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		11/23/19 21:59	1
Dibromofluoromethane (Surr)	96		80 - 122		11/23/19 21:59	1
1,2-Dichloroethane-d4 (Surr)	86		73 - 131		11/23/19 21:59	1
Toluene-d8 (Surr)	92		80 - 120		11/23/19 21:59	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	1.9		1.1	0.55	ug/L			11/25/19 07:45	1
Ethylene	13		1.0	0.50	ug/L			11/25/19 07:45	1
Methane (TCD)	19000		390	39	ug/L			11/25/19 07:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	67		1.0	0.50	mg/L			11/22/19 12:37	1
Total Organic Carbon - Quad	67		1.0	0.50	mg/L			11/22/19 12:37	1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-176987-3

Date Collected: 11/12/19 15:35

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 16:36	1
Acrylonitrile	10	U *	20	10	ug/L			11/23/19 16:36	1
Benzene	0.68	J	1.0	0.43	ug/L			11/23/19 16:36	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 16:36	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 16:36	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 16:36	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 16:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 16:36	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 16:36	1
Carbon disulfide	1.0	U *	2.0	1.0	ug/L			11/23/19 16:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-176987-3

Date Collected: 11/12/19 15:35

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 16:36	1
Chlorobenzene	12		1.0	0.26	ug/L			11/23/19 16:36	1
Chloroethane	2.7	J	5.0	2.5	ug/L			11/23/19 16:36	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 16:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 16:36	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 16:36	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 16:36	1
cis-1,2-Dichloroethene	1.5		1.0	0.41	ug/L			11/23/19 16:36	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 16:36	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 16:36	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 16:36	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 16:36	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 16:36	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 16:36	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 16:36	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 16:36	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 16:36	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 16:36	1
1,2-Dichloroethane	1.2		1.0	0.50	ug/L			11/23/19 16:36	1
1,1-Dichloroethene	0.36	U *	1.0	0.36	ug/L			11/23/19 16:36	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 16:36	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 16:36	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 16:36	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 16:36	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 16:36	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 16:36	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 16:36	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 16:36	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 16:36	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 16:36	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 16:36	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 16:36	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 16:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 16:36	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 16:36	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 16:36	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 16:36	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 16:36	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 16:36	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 16:36	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 16:36	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 16:36	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 16:36	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 16:36	1
Toluene	2.3		1.0	0.48	ug/L			11/23/19 16:36	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 16:36	1
trans-1,2-Dichloroethene	8.6		1.0	0.37	ug/L			11/23/19 16:36	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 16:36	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 16:36	1

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Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-176987-3

Date Collected: 11/12/19 15:35

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 16:36	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 16:36	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 16:36	1
Trichloroethene	7.8		1.0	0.48	ug/L			11/23/19 16:36	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 16:36	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 16:36	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 16:36	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 16:36	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 16:36	1
Vinyl chloride	0.73	J	1.0	0.50	ug/L			11/23/19 16:36	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 16:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		80 - 120		11/23/19 16:36	1
Dibromofluoromethane (Surr)	88		80 - 122		11/23/19 16:36	1
1,2-Dichloroethane-d4 (Surr)	91		73 - 131		11/23/19 16:36	1
Toluene-d8 (Surr)	94		80 - 120		11/23/19 16:36	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	28		1.1	0.55	ug/L			11/25/19 07:58	1
Ethylene	22		1.0	0.50	ug/L			11/25/19 07:58	1
Methane (TCD)	14000		390	39	ug/L			11/25/19 07:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.4		1.0	0.50	mg/L			11/22/19 13:38	1
Total Organic Carbon - Quad	2.4		1.0	0.50	mg/L			11/22/19 13:38	1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-176987-4

Date Collected: 11/12/19 16:00

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10		10	7.0	ug/L			11/23/19 16:59	1
Acrylonitrile	10	U *	20	10	ug/L			11/23/19 16:59	1
Benzene	0.44	J	1.0	0.43	ug/L			11/23/19 16:59	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 16:59	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 16:59	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 16:59	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 16:59	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 16:59	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 16:59	1
Carbon disulfide	1.0	U *	2.0	1.0	ug/L			11/23/19 16:59	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 16:59	1
Chlorobenzene	9.5		1.0	0.26	ug/L			11/23/19 16:59	1
Chloroethane	2.5	J	5.0	2.5	ug/L			11/23/19 16:59	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 16:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 16:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-176987-4

Date Collected: 11/12/19 16:00

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 16:59	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 16:59	1
cis-1,2-Dichloroethene	0.80	J	1.0	0.41	ug/L			11/23/19 16:59	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 16:59	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 16:59	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 16:59	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 16:59	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 16:59	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 16:59	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 16:59	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 16:59	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 16:59	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 16:59	1
1,2-Dichloroethane	1.5		1.0	0.50	ug/L			11/23/19 16:59	1
1,1-Dichloroethene	0.36	U *	1.0	0.36	ug/L			11/23/19 16:59	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 16:59	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 16:59	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 16:59	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 16:59	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 16:59	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 16:59	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 16:59	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 16:59	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 16:59	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 16:59	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 16:59	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 16:59	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 16:59	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 16:59	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 16:59	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 16:59	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 16:59	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 16:59	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 16:59	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 16:59	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 16:59	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 16:59	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 16:59	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 16:59	1
Toluene	8.2		1.0	0.48	ug/L			11/23/19 16:59	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 16:59	1
trans-1,2-Dichloroethene	2.2		1.0	0.37	ug/L			11/23/19 16:59	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 16:59	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 16:59	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 16:59	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 16:59	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 16:59	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/19 16:59	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 16:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-176987-4

Date Collected: 11/12/19 16:00

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 16:59	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 16:59	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 16:59	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 16:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 16:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 16:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/23/19 16:59	1
Dibromofluoromethane (Surr)	97		80 - 122		11/23/19 16:59	1
1,2-Dichloroethane-d4 (Surr)	90		73 - 131		11/23/19 16:59	1
Toluene-d8 (Surr)	99		80 - 120		11/23/19 16:59	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			11/25/19 08:11	1
Ethylene	0.50	U	1.0	0.50	ug/L			11/25/19 08:11	1
Methane (TCD)	21000		390	39	ug/L			11/25/19 08:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	19		1.0	0.50	mg/L			11/22/19 13:54	1
Total Organic Carbon - Quad	19		1.0	0.50	mg/L			11/22/19 13:54	1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-176987-5

Date Collected: 11/12/19 16:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 17:22	1
Acrylonitrile	10	U *	20	10	ug/L			11/23/19 17:22	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 17:22	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 17:22	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 17:22	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 17:22	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 17:22	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 17:22	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 17:22	1
Carbon disulfide	1.0	U *	2.0	1.0	ug/L			11/23/19 17:22	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 17:22	1
Chlorobenzene	1.1		1.0	0.26	ug/L			11/23/19 17:22	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 17:22	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 17:22	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 17:22	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 17:22	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 17:22	1
cis-1,2-Dichloroethene	7.8		1.0	0.41	ug/L			11/23/19 17:22	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 17:22	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 17:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-176987-5

Date Collected: 11/12/19 16:20

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 17:22	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 17:22	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 17:22	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 17:22	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 17:22	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 17:22	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 17:22	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 17:22	1
1,2-Dichloroethane	0.90	J	1.0	0.50	ug/L			11/23/19 17:22	1
1,1-Dichloroethene	0.36	U *	1.0	0.36	ug/L			11/23/19 17:22	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 17:22	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 17:22	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 17:22	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 17:22	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 17:22	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 17:22	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 17:22	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 17:22	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 17:22	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 17:22	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 17:22	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 17:22	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 17:22	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 17:22	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 17:22	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 17:22	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 17:22	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 17:22	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 17:22	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 17:22	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 17:22	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 17:22	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 17:22	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 17:22	1
Toluene	3.4		1.0	0.48	ug/L			11/23/19 17:22	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 17:22	1
trans-1,2-Dichloroethene	1.9		1.0	0.37	ug/L			11/23/19 17:22	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 17:22	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 17:22	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 17:22	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 17:22	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 17:22	1
Trichloroethene	8.8		1.0	0.48	ug/L			11/23/19 17:22	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 17:22	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 17:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 17:22	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 17:22	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 17:22	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 17:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-176987-5

Date Collected: 11/12/19 16:20

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	1.1		1.0	0.50	ug/L			11/23/19 17:22	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120					11/23/19 17:22	1
Dibromofluoromethane (Surr)	89		80 - 122					11/23/19 17:22	1
1,2-Dichloroethane-d4 (Surr)	90		73 - 131					11/23/19 17:22	1
Toluene-d8 (Surr)	99		80 - 120					11/23/19 17:22	1

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			11/25/19 08:24	1
Ethylene	13		1.0	0.50	ug/L			11/25/19 08:24	1
Methane (TCD)	14000		390	39	ug/L			11/25/19 08:24	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			11/22/19 14:13	1
Total Organic Carbon - Quad	1.7		1.0	0.50	mg/L			11/22/19 14:13	1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-176987-6

Date Collected: 11/12/19 16:35

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	21		10	7.0	ug/L			11/23/19 17:46	1
Acrylonitrile	10	U *	20	10	ug/L			11/23/19 17:46	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 17:46	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 17:46	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 17:46	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 17:46	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 17:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 17:46	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 17:46	1
Carbon disulfide	1.0	U *	2.0	1.0	ug/L			11/23/19 17:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 17:46	1
Chlorobenzene	0.66	J	1.0	0.26	ug/L			11/23/19 17:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 17:46	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 17:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 17:46	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 17:46	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 17:46	1
cis-1,2-Dichloroethene	9.2		1.0	0.41	ug/L			11/23/19 17:46	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 17:46	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 17:46	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 17:46	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 17:46	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 17:46	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 17:46	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 17:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-176987-6

Date Collected: 11/12/19 16:35

Matrix: Water

Date Received: 11/15/19 09:40

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			11/23/19 17:46	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 17:46	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 17:46	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 17:46	1
1,1-Dichloroethene	0.36	U *	1.0	0.36	ug/L			11/23/19 17:46	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 17:46	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 17:46	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 17:46	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 17:46	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 17:46	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 17:46	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 17:46	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 17:46	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 17:46	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 17:46	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 17:46	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 17:46	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 17:46	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 17:46	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 17:46	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 17:46	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 17:46	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 17:46	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 17:46	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 17:46	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 17:46	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 17:46	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 17:46	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 17:46	1
Toluene	2.2		1.0	0.48	ug/L			11/23/19 17:46	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 17:46	1
trans-1,2-Dichloroethene	1.6		1.0	0.37	ug/L			11/23/19 17:46	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 17:46	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 17:46	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 17:46	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 17:46	1
1,1,2-Trichloroethane	0.47 J		1.0	0.33	ug/L			11/23/19 17:46	1
Trichloroethene	27		1.0	0.48	ug/L			11/23/19 17:46	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 17:46	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 17:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 17:46	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 17:46	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 17:46	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 17:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 17:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		80 - 120		11/23/19 17:46	1
Dibromofluoromethane (Surr)	97		80 - 122		11/23/19 17:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-176987-6

Date Collected: 11/12/19 16:35

Matrix: Water

Date Received: 11/15/19 09:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		73 - 131		11/23/19 17:46	1
Toluene-d8 (Surr)	95		80 - 120		11/23/19 17:46	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.1		1.1	0.55	ug/L			11/25/19 08:37	1
Ethylene	3.2		1.0	0.50	ug/L			11/25/19 08:37	1
Methane (TCD)	7000		390	39	ug/L			11/25/19 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.57	J	1.0	0.50	mg/L			11/22/19 14:30	1
Total Organic Carbon - Quad	0.57	J	1.0	0.50	mg/L			11/22/19 14:30	1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-176987-7

Date Collected: 11/11/19 10:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 20:36	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 20:36	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 20:36	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 20:36	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 20:36	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 20:36	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 20:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 20:36	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 20:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 20:36	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 20:36	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/21/19 20:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 20:36	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 20:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 20:36	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 20:36	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 20:36	1
cis-1,2-Dichloroethene	2.1		1.0	0.41	ug/L			11/21/19 20:36	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 20:36	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 20:36	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 20:36	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 20:36	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 20:36	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 20:36	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 20:36	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 20:36	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 20:36	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 20:36	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 20:36	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 20:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-176987-7

Date Collected: 11/11/19 10:55

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 20:36	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 20:36	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 20:36	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 20:36	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 20:36	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 20:36	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 20:36	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 20:36	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 20:36	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 20:36	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 20:36	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 20:36	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 20:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 20:36	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 20:36	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 20:36	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 20:36	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 20:36	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 20:36	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 20:36	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 20:36	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 20:36	1
1,1,2,2-Tetrachloroethane	3.0		1.0	0.62	ug/L			11/21/19 20:36	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 20:36	1
Toluene	0.52	J	1.0	0.48	ug/L			11/21/19 20:36	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 20:36	1
trans-1,2-Dichloroethene	0.63	J	1.0	0.37	ug/L			11/21/19 20:36	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 20:36	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 20:36	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 20:36	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 20:36	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 20:36	1
Trichloroethene	2.7		1.0	0.48	ug/L			11/21/19 20:36	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 20:36	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 20:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 20:36	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 20:36	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 20:36	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 20:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 20:36	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		11/21/19 20:36	1
Dibromofluoromethane (Surr)	103		80 - 122		11/21/19 20:36	1
1,2-Dichloroethane-d4 (Surr)	88		73 - 131		11/21/19 20:36	1
Toluene-d8 (Surr)	107		80 - 120		11/21/19 20:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 1

Date Collected: 11/11/19 10:55

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176987-7

Matrix: Water

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			11/22/19 14:47	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/22/19 14:47	1

Client Sample ID: OLF-G74 Port 2

Date Collected: 11/11/19 11:15

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176987-8

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			11/21/19 21:01	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 21:01	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 21:01	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 21:01	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 21:01	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 21:01	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 21:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 21:01	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 21:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 21:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 21:01	1
Chlorobenzene	4.0		1.0	0.26	ug/L			11/21/19 21:01	1
Chloroethane	4.0	J	5.0	2.5	ug/L			11/21/19 21:01	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 21:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 21:01	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 21:01	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 21:01	1
cis-1,2-Dichloroethene	91		1.0	0.41	ug/L			11/21/19 21:01	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 21:01	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 21:01	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 21:01	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 21:01	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 21:01	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 21:01	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 21:01	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 21:01	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 21:01	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 21:01	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 21:01	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 21:01	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 21:01	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 21:01	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/21/19 21:01	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 21:01	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 21:01	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 21:01	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 21:01	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 21:01	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 21:01	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 21:01	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 21:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-176987-8

Date Collected: 11/11/19 11:15

Matrix: Water

Date Received: 11/15/19 09:40

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			11/21/19 21:01	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 21:01	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 21:01	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 21:01	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 21:01	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 21:01	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 21:01	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/21/19 21:01	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 21:01	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 21:01	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 21:01	1
1,1,2,2-Tetrachloroethane	19		1.0	0.62	ug/L			11/21/19 21:01	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 21:01	1
Toluene	1.4		1.0	0.48	ug/L			11/21/19 21:01	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 21:01	1
trans-1,2-Dichloroethene	49		1.0	0.37	ug/L			11/21/19 21:01	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 21:01	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 21:01	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 21:01	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 21:01	1
1,1,2-Trichloroethane	1.0		1.0	0.33	ug/L			11/21/19 21:01	1
Trichloroethene	53		1.0	0.48	ug/L			11/21/19 21:01	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 21:01	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 21:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 21:01	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 21:01	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 21:01	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 21:01	1
Vinyl chloride	11		1.0	0.50	ug/L			11/21/19 21:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		11/21/19 21:01	1
Dibromofluoromethane (Surr)	103		80 - 122		11/21/19 21:01	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131		11/21/19 21:01	1
Toluene-d8 (Surr)	108		80 - 120		11/21/19 21:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.56	J	1.0	0.50	mg/L			11/22/19 15:05	1
Total Organic Carbon - Quad	0.56	J	1.0	0.50	mg/L			11/22/19 15:05	1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-176987-9

Date Collected: 11/11/19 11:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 20:15	1
Acrylonitrile	10	U	20	10	ug/L			11/22/19 20:15	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-176987-9

Date Collected: 11/11/19 11:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 20:15	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/22/19 20:15	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/22/19 20:15	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/22/19 20:15	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/22/19 20:15	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/22/19 20:15	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/22/19 20:15	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/22/19 20:15	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/22/19 20:15	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/22/19 20:15	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/22/19 20:15	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/22/19 20:15	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/22/19 20:15	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/22/19 20:15	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/22/19 20:15	1
cis-1,2-Dichloroethene	7.7		1.0	0.41	ug/L			11/22/19 20:15	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/22/19 20:15	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/22/19 20:15	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/22/19 20:15	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/22/19 20:15	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/22/19 20:15	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/22/19 20:15	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/22/19 20:15	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/22/19 20:15	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/22/19 20:15	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/22/19 20:15	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/22/19 20:15	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/22/19 20:15	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/22/19 20:15	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/22/19 20:15	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/22/19 20:15	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/22/19 20:15	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/22/19 20:15	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/22/19 20:15	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/22/19 20:15	1
Iodomethane	5.0	U	10	5.0	ug/L			11/22/19 20:15	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/22/19 20:15	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/22/19 20:15	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/22/19 20:15	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/22/19 20:15	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/22/19 20:15	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/22/19 20:15	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 20:15	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/22/19 20:15	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/22/19 20:15	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/22/19 20:15	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/22/19 20:15	1
Styrene	0.27	U	1.0	0.27	ug/L			11/22/19 20:15	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/22/19 20:15	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-176987-9

Date Collected: 11/11/19 11:30

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 20:15	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/22/19 20:15	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/22/19 20:15	1
Toluene	0.77	J	1.0	0.48	ug/L			11/22/19 20:15	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/22/19 20:15	1
trans-1,2-Dichloroethene	1.7		1.0	0.37	ug/L			11/22/19 20:15	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/22/19 20:15	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 20:15	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 20:15	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 20:15	1
1,1,2-Trichloroethane	0.59	J	1.0	0.33	ug/L			11/22/19 20:15	1
Trichloroethene	44		1.0	0.48	ug/L			11/22/19 20:15	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/22/19 20:15	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/22/19 20:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/22/19 20:15	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 20:15	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/22/19 20:15	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/22/19 20:15	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/22/19 20:15	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/22/19 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		80 - 120		11/22/19 20:15	1
Dibromofluoromethane (Surr)	95		80 - 122		11/22/19 20:15	1
1,2-Dichloroethane-d4 (Surr)	91		73 - 131		11/22/19 20:15	1
Toluene-d8 (Surr)	100		80 - 120		11/22/19 20:15	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			11/22/19 15:55	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/22/19 15:55	1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-176987-10

Date Collected: 11/11/19 11:50

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 20:38	1
Acrylonitrile	10	U	20	10	ug/L			11/22/19 20:38	1
Benzene	0.43	U	1.0	0.43	ug/L			11/22/19 20:38	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/22/19 20:38	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/22/19 20:38	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/22/19 20:38	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/22/19 20:38	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/22/19 20:38	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/22/19 20:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/22/19 20:38	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/22/19 20:38	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/22/19 20:38	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-176987-10

Date Collected: 11/11/19 11:50

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 20:38	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/22/19 20:38	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/22/19 20:38	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/22/19 20:38	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/22/19 20:38	1
cis-1,2-Dichloroethene	1.2		1.0	0.41	ug/L			11/22/19 20:38	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/22/19 20:38	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/22/19 20:38	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/22/19 20:38	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/22/19 20:38	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/22/19 20:38	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/22/19 20:38	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/22/19 20:38	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/22/19 20:38	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/22/19 20:38	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/22/19 20:38	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/22/19 20:38	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/22/19 20:38	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/22/19 20:38	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/22/19 20:38	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/22/19 20:38	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/22/19 20:38	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/22/19 20:38	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/22/19 20:38	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/22/19 20:38	1
Iodomethane	5.0	U	10	5.0	ug/L			11/22/19 20:38	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/22/19 20:38	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/22/19 20:38	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/22/19 20:38	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/22/19 20:38	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/22/19 20:38	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/22/19 20:38	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 20:38	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/22/19 20:38	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/22/19 20:38	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/22/19 20:38	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/22/19 20:38	1
Styrene	0.27	U	1.0	0.27	ug/L			11/22/19 20:38	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/22/19 20:38	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 20:38	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/22/19 20:38	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/22/19 20:38	1
Toluene	0.80	J	1.0	0.48	ug/L			11/22/19 20:38	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/22/19 20:38	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/22/19 20:38	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/22/19 20:38	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 20:38	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 20:38	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 20:38	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-176987-10

Date Collected: 11/11/19 11:50

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 20:38	1
Trichloroethene	6.0		1.0	0.48	ug/L			11/22/19 20:38	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/22/19 20:38	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/22/19 20:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/22/19 20:38	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 20:38	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/22/19 20:38	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/22/19 20:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/22/19 20:38	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/22/19 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		80 - 120		11/22/19 20:38	1
Dibromofluoromethane (Surr)	102		80 - 122		11/22/19 20:38	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131		11/22/19 20:38	1
Toluene-d8 (Surr)	105		80 - 120		11/22/19 20:38	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			11/22/19 16:14	1
Total Organic Carbon - Quad	1.2		1.0	0.50	mg/L			11/22/19 16:14	1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-176987-11

Date Collected: 11/11/19 12:10

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 23:23	1
Acrylonitrile	10	U	20	10	ug/L			11/22/19 23:23	1
Benzene	0.43	U	1.0	0.43	ug/L			11/22/19 23:23	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/22/19 23:23	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/22/19 23:23	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/22/19 23:23	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/22/19 23:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/22/19 23:23	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/22/19 23:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/22/19 23:23	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/22/19 23:23	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/22/19 23:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/22/19 23:23	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/22/19 23:23	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/22/19 23:23	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/22/19 23:23	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/22/19 23:23	1
cis-1,2-Dichloroethene	0.92	J	1.0	0.41	ug/L			11/22/19 23:23	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/22/19 23:23	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/22/19 23:23	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/22/19 23:23	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/22/19 23:23	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-176987-11

Date Collected: 11/11/19 12:10

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 23:23	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/22/19 23:23	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/22/19 23:23	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/22/19 23:23	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/22/19 23:23	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/22/19 23:23	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/22/19 23:23	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/22/19 23:23	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/22/19 23:23	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/22/19 23:23	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/22/19 23:23	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/22/19 23:23	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/22/19 23:23	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/22/19 23:23	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/22/19 23:23	1
Iodomethane	5.0	U	10	5.0	ug/L			11/22/19 23:23	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/22/19 23:23	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/22/19 23:23	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/22/19 23:23	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/22/19 23:23	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/22/19 23:23	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/22/19 23:23	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 23:23	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/22/19 23:23	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/22/19 23:23	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/22/19 23:23	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/22/19 23:23	1
Styrene	0.27	U	1.0	0.27	ug/L			11/22/19 23:23	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/22/19 23:23	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 23:23	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/22/19 23:23	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/22/19 23:23	1
Toluene	0.48	U	1.0	0.48	ug/L			11/22/19 23:23	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/22/19 23:23	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/22/19 23:23	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/22/19 23:23	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 23:23	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 23:23	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 23:23	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/22/19 23:23	1
Trichloroethene	1.6		1.0	0.48	ug/L			11/22/19 23:23	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/22/19 23:23	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/22/19 23:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/22/19 23:23	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 23:23	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/22/19 23:23	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/22/19 23:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/22/19 23:23	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/22/19 23:23	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-176987-11

Date Collected: 11/11/19 12:10

Matrix: Water

Date Received: 11/15/19 09:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/22/19 23:23	1
Dibromofluoromethane (Surr)	106		80 - 122		11/22/19 23:23	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		11/22/19 23:23	1
Toluene-d8 (Surr)	96		80 - 120		11/22/19 23:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.97	J	1.0	0.50	mg/L			11/22/19 16:32	1
Total Organic Carbon - Quad	0.97	J	1.0	0.50	mg/L			11/22/19 16:32	1

Client Sample ID: TB544

Lab Sample ID: 680-176987-12

Date Collected: 11/11/19 09:10

Matrix: Water

Date Received: 11/15/19 09:40

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			11/22/19 16:29	1
Acrylonitrile	10	U	20	10	ug/L			11/22/19 16:29	1
Benzene	0.43	U	1.0	0.43	ug/L			11/22/19 16:29	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/22/19 16:29	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/22/19 16:29	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/22/19 16:29	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/22/19 16:29	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/22/19 16:29	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/22/19 16:29	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/22/19 16:29	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/22/19 16:29	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/22/19 16:29	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/22/19 16:29	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/22/19 16:29	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/22/19 16:29	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/22/19 16:29	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/22/19 16:29	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/22/19 16:29	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/22/19 16:29	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/22/19 16:29	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/22/19 16:29	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/22/19 16:29	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/22/19 16:29	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/22/19 16:29	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/22/19 16:29	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/22/19 16:29	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/22/19 16:29	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/22/19 16:29	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/22/19 16:29	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/22/19 16:29	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/22/19 16:29	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/22/19 16:29	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/22/19 16:29	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/22/19 16:29	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/22/19 16:29	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: TB544

Date Collected: 11/11/19 09:10

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176987-12

Matrix: Water

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			11/22/19 16:29	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/22/19 16:29	1
Iodomethane	5.0	U	10	5.0	ug/L			11/22/19 16:29	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/22/19 16:29	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/22/19 16:29	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/22/19 16:29	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/22/19 16:29	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/22/19 16:29	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/22/19 16:29	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 16:29	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/22/19 16:29	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/22/19 16:29	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/22/19 16:29	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/22/19 16:29	1
Styrene	0.27	U	1.0	0.27	ug/L			11/22/19 16:29	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/22/19 16:29	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 16:29	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/22/19 16:29	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/22/19 16:29	1
Toluene	0.48	U	1.0	0.48	ug/L			11/22/19 16:29	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/22/19 16:29	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/22/19 16:29	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/22/19 16:29	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 16:29	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 16:29	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 16:29	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/22/19 16:29	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/22/19 16:29	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/22/19 16:29	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/22/19 16:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/22/19 16:29	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 16:29	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/22/19 16:29	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/22/19 16:29	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/22/19 16:29	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/22/19 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		11/22/19 16:29	1
Dibromofluoromethane (Surr)	98		80 - 122		11/22/19 16:29	1
1,2-Dichloroethane-d4 (Surr)	94		73 - 131		11/22/19 16:29	1
Toluene-d8 (Surr)	91		80 - 120		11/22/19 16:29	1

Client Sample ID: DUP337

Date Collected: 11/11/19 00:00

Date Received: 11/15/19 09:40

Lab Sample ID: 680-176987-13

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			11/22/19 23:47	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: DUP337

Lab Sample ID: 680-176987-13

Date Collected: 11/11/19 00:00

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrylonitrile	10	U	20	10	ug/L			11/22/19 23:47	1
Benzene	0.43	U	1.0	0.43	ug/L			11/22/19 23:47	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/22/19 23:47	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/22/19 23:47	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/22/19 23:47	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/22/19 23:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/22/19 23:47	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/22/19 23:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/22/19 23:47	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/22/19 23:47	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/22/19 23:47	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/22/19 23:47	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/22/19 23:47	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/22/19 23:47	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/22/19 23:47	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/22/19 23:47	1
cis-1,2-Dichloroethene	1.9		1.0	0.41	ug/L			11/22/19 23:47	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/22/19 23:47	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/22/19 23:47	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/22/19 23:47	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/22/19 23:47	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/22/19 23:47	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/22/19 23:47	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/22/19 23:47	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/22/19 23:47	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/22/19 23:47	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/22/19 23:47	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/22/19 23:47	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/22/19 23:47	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/22/19 23:47	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/22/19 23:47	1
2,2-Dichloropropane	0.37	U *	1.0	0.37	ug/L			11/22/19 23:47	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/22/19 23:47	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/22/19 23:47	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/22/19 23:47	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/22/19 23:47	1
Iodomethane	5.0	U	10	5.0	ug/L			11/22/19 23:47	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/22/19 23:47	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/22/19 23:47	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/22/19 23:47	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/22/19 23:47	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/22/19 23:47	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/22/19 23:47	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 23:47	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/22/19 23:47	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/22/19 23:47	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/22/19 23:47	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/22/19 23:47	1
Styrene	0.27	U	1.0	0.27	ug/L			11/22/19 23:47	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-176987-1

Client Sample ID: DUP337

Lab Sample ID: 680-176987-13

Date Collected: 11/11/19 00:00

Matrix: Water

Date Received: 11/15/19 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/22/19 23:47	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 23:47	1
1,1,2,2-Tetrachloroethane	2.7		1.0	0.62	ug/L			11/22/19 23:47	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/22/19 23:47	1
Toluene	0.61	J	1.0	0.48	ug/L			11/22/19 23:47	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/22/19 23:47	1
trans-1,2-Dichloroethene	0.42	J	1.0	0.37	ug/L			11/22/19 23:47	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/22/19 23:47	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 23:47	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 23:47	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 23:47	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/22/19 23:47	1
Trichloroethene	1.9		1.0	0.48	ug/L			11/22/19 23:47	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/22/19 23:47	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/22/19 23:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/22/19 23:47	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 23:47	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/22/19 23:47	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/22/19 23:47	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/22/19 23:47	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/22/19 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/22/19 23:47	1
Dibromofluoromethane (Surr)	98		80 - 122		11/22/19 23:47	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		11/22/19 23:47	1
Toluene-d8 (Surr)	88		80 - 120		11/22/19 23:47	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			11/22/19 16:49	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/22/19 16:49	1

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: MB 680-597216/11

Matrix: Water

Analysis Batch: 597216

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			11/21/19 15:36	1
Acrylonitrile	10	U	20	10	ug/L			11/21/19 15:36	1
Benzene	0.43	U	1.0	0.43	ug/L			11/21/19 15:36	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/21/19 15:36	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/21/19 15:36	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/21/19 15:36	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/21/19 15:36	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/21/19 15:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/21/19 15:36	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/21/19 15:36	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/21/19 15:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/21/19 15:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/21/19 15:36	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/21/19 15:36	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/21/19 15:36	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/21/19 15:36	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/21/19 15:36	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/21/19 15:36	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/21/19 15:36	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/21/19 15:36	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/21/19 15:36	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/21/19 15:36	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/21/19 15:36	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/21/19 15:36	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/21/19 15:36	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/21/19 15:36	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/21/19 15:36	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/21/19 15:36	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/21/19 15:36	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/21/19 15:36	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/21/19 15:36	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/21/19 15:36	1
Iodomethane	5.0	U	10	5.0	ug/L			11/21/19 15:36	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/21/19 15:36	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/21/19 15:36	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/21/19 15:36	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/21/19 15:36	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 15:36	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/21/19 15:36	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/21/19 15:36	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/21/19 15:36	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: MB 680-597216/11

Matrix: Water

Analysis Batch: 597216

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			11/21/19 15:36	1
Styrene	0.27	U	1.0	0.27	ug/L			11/21/19 15:36	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/21/19 15:36	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/21/19 15:36	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/21/19 15:36	1
Toluene	0.48	U	1.0	0.48	ug/L			11/21/19 15:36	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/21/19 15:36	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/21/19 15:36	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/21/19 15:36	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/21/19 15:36	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/21/19 15:36	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/21/19 15:36	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/21/19 15:36	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/21/19 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/21/19 15:36	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/21/19 15:36	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/21/19 15:36	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/21/19 15:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/21/19 15:36	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/21/19 15:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/21/19 15:36	1
Dibromofluoromethane (Surr)	104		80 - 122		11/21/19 15:36	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		11/21/19 15:36	1
Toluene-d8 (Surr)	106		80 - 120		11/21/19 15:36	1

Lab Sample ID: LCS 680-597216/3

Matrix: Water

Analysis Batch: 597216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	226		ug/L		90	70 - 135
Acrylonitrile	500	517		ug/L		103	80 - 123
Benzene	50.0	50.6		ug/L		101	80 - 120
Bromobenzene	50.0	54.6		ug/L		109	80 - 121
Bromochloromethane	50.0	53.6		ug/L		107	80 - 120
Bromodichloromethane	50.0	54.5		ug/L		109	80 - 120
Bromoform	50.0	51.6		ug/L		103	74 - 126
Bromomethane	50.0	57.6		ug/L		115	62 - 130
2-Butanone (MEK)	251	263		ug/L		105	80 - 131
Carbon disulfide	50.0	52.3		ug/L		105	80 - 120
Carbon tetrachloride	50.0	52.3		ug/L		105	76 - 123
Chlorobenzene	50.0	53.2		ug/L		106	80 - 120
Chloroethane	50.0	47.0		ug/L		94	66 - 135

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597216/3

Matrix: Water

Analysis Batch: 597216

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	53.0		ug/L		106	80 - 120
Chloromethane	50.0	56.3		ug/L		113	69 - 131
2-Chlorotoluene	50.0	54.1		ug/L		108	80 - 120
4-Chlorotoluene	50.0	54.0		ug/L		108	80 - 120
cis-1,2-Dichloroethene	50.0	57.3		ug/L		115	80 - 120
cis-1,3-Dichloropropene	50.0	56.9		ug/L		114	80 - 120
Dibromochloromethane	50.0	53.3		ug/L		107	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	53.6		ug/L		107	71 - 134
1,2-Dibromoethane	50.0	52.2		ug/L		104	80 - 120
Dibromomethane	50.0	55.1		ug/L		110	80 - 120
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120
1,3-Dichlorobenzene	50.0	53.4		ug/L		107	80 - 120
1,4-Dichlorobenzene	50.0	53.0		ug/L		106	80 - 120
Dichlorodifluoromethane	50.0	56.1		ug/L		112	47 - 155
1,1-Dichloroethane	50.0	53.2		ug/L		106	80 - 120
1,2-Dichloroethane	50.0	53.9		ug/L		108	80 - 120
1,1-Dichloroethene	50.0	54.8		ug/L		110	76 - 120
1,2-Dichloropropane	50.0	55.3		ug/L		111	80 - 120
1,3-Dichloropropane	50.0	52.6		ug/L		105	80 - 120
2,2-Dichloropropane	50.0	64.4 *		ug/L		129	76 - 126
1,1-Dichloropropene	50.0	51.6		ug/L		103	80 - 120
Ethylbenzene	50.0	52.7		ug/L		105	80 - 120
Hexachlorobutadiene	50.0	63.5		ug/L		127	60 - 140
2-Hexanone	250	265		ug/L		106	74 - 127
Iodomethane	50.0	53.4		ug/L		107	52 - 142
Isopropylbenzene	50.0	53.5		ug/L		107	80 - 120
Methylene Chloride	50.0	51.3		ug/L		103	80 - 120
4-Methyl-2-pentanone	250	248		ug/L		99	76 - 124
Methyl tert-butyl ether	50.0	55.0		ug/L		110	80 - 120
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	80 - 120
Naphthalene	50.0	59.7		ug/L		119	59 - 140
n-Butylbenzene	50.0	49.9		ug/L		100	80 - 120
N-Propylbenzene	50.0	53.6		ug/L		107	80 - 120
o-Xylene	50.0	53.4		ug/L		107	80 - 120
p-Isopropyltoluene	50.0	53.6		ug/L		107	80 - 120
sec-Butylbenzene	50.0	54.2		ug/L		108	80 - 120
Styrene	50.0	58.4		ug/L		117	80 - 120
tert-Butylbenzene	50.0	53.8		ug/L		108	80 - 121
1,1,1,2-Tetrachloroethane	50.0	53.7		ug/L		107	80 - 121
1,1,2,2-Tetrachloroethane	50.0	50.3		ug/L		101	80 - 120
Tetrachloroethylene	50.0	54.9		ug/L		110	80 - 121
Toluene	50.0	55.0		ug/L		110	80 - 113
trans-1,4-Dichloro-2-butene	50.0	56.0		ug/L		112	68 - 125
trans-1,2-Dichloroethene	50.0	53.5		ug/L		107	80 - 120
trans-1,3-Dichloropropene	50.0	52.8		ug/L		106	80 - 120
1,2,3-Trichlorobenzene	50.0	63.0		ug/L		126	61 - 141
1,2,4-Trichlorobenzene	50.0	59.1		ug/L		118	68 - 128
1,1,1-Trichloroethane	50.0	52.6		ug/L		105	80 - 120
1,1,2-Trichloroethane	50.0	52.0		ug/L		104	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597216/3

Matrix: Water

Analysis Batch: 597216

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	53.4		ug/L		107	80 - 120
Trichlorofluoromethane	50.0	51.6		ug/L		103	60 - 141
1,2,3-Trichloropropane	50.0	49.3		ug/L		99	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.7		ug/L		101	79 - 124
1,2,4-Trimethylbenzene	50.0	55.9		ug/L		112	80 - 120
1,3,5-Trimethylbenzene	50.0	54.8		ug/L		110	80 - 120
Vinyl acetate	100	111		ug/L		110	67 - 135
Vinyl chloride	50.0	52.6		ug/L		105	71 - 128
Xylenes, Total	100	104		ug/L		104	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		80 - 120
Dibromofluoromethane (Surr)	109		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		73 - 131
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: LCSD 680-597216/4

Matrix: Water

Analysis Batch: 597216

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	226		ug/L		90	70 - 135	0	30
Acrylonitrile	500	504		ug/L		101	80 - 123	3	20
Benzene	50.0	50.8		ug/L		102	80 - 120	0	20
Bromobenzene	50.0	54.0		ug/L		108	80 - 121	1	20
Bromochloromethane	50.0	53.3		ug/L		107	80 - 120	0	20
Bromodichloromethane	50.0	54.2		ug/L		108	80 - 120	1	20
Bromoform	50.0	51.4		ug/L		103	74 - 126	1	20
Bromomethane	50.0	56.5		ug/L		113	62 - 130	2	20
2-Butanone (MEK)	251	256		ug/L		102	80 - 131	3	20
Carbon disulfide	50.0	54.5		ug/L		109	80 - 120	4	20
Carbon tetrachloride	50.0	52.6		ug/L		105	76 - 123	1	20
Chlorobenzene	50.0	53.2		ug/L		106	80 - 120	0	20
Chloroethane	50.0	48.4		ug/L		97	66 - 135	3	20
Chloroform	50.0	53.2		ug/L		106	80 - 120	0	20
Chloromethane	50.0	57.6		ug/L		115	69 - 131	2	30
2-Chlorotoluene	50.0	53.5		ug/L		107	80 - 120	1	20
4-Chlorotoluene	50.0	53.6		ug/L		107	80 - 120	1	20
cis-1,2-Dichloroethene	50.0	56.1		ug/L		112	80 - 120	2	20
cis-1,3-Dichloropropene	50.0	55.9		ug/L		112	80 - 120	2	20
Dibromochloromethane	50.0	52.9		ug/L		106	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	55.3		ug/L		111	71 - 134	3	20
1,2-Dibromoethane	50.0	51.7		ug/L		103	80 - 120	1	20
Dibromomethane	50.0	54.0		ug/L		108	80 - 120	2	20
1,2-Dichlorobenzene	50.0	51.9		ug/L		104	80 - 120	1	20
1,3-Dichlorobenzene	50.0	53.3		ug/L		107	80 - 120	0	20
1,4-Dichlorobenzene	50.0	52.5		ug/L		105	80 - 120	1	20
Dichlorodifluoromethane	50.0	58.1		ug/L		116	47 - 155	4	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597216/4

Matrix: Water

Analysis Batch: 597216

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	53.9		ug/L		108	80 - 120	1	20
1,2-Dichloroethane	50.0	53.0		ug/L		106	80 - 120	2	50
1,1-Dichloroethene	50.0	53.4		ug/L		107	76 - 120	3	20
1,2-Dichloropropane	50.0	55.0		ug/L		110	80 - 120	0	20
1,3-Dichloropropane	50.0	51.1		ug/L		102	80 - 120	3	20
2,2-Dichloropropane	50.0	64.0 *		ug/L		128	76 - 126	1	20
1,1-Dichloropropene	50.0	51.9		ug/L		104	80 - 120	1	20
Ethylbenzene	50.0	52.9		ug/L		106	80 - 120	0	20
Hexachlorobutadiene	50.0	64.4		ug/L		129	60 - 140	2	20
2-Hexanone	250	263		ug/L		105	74 - 127	1	20
Iodomethane	50.0	55.4		ug/L		111	52 - 142	4	30
Isopropylbenzene	50.0	53.8		ug/L		108	80 - 120	1	20
Methylene Chloride	50.0	51.3		ug/L		103	80 - 120	0	20
4-Methyl-2-pentanone	250	242		ug/L		97	76 - 124	3	20
Methyl tert-butyl ether	50.0	52.3		ug/L		105	80 - 120	5	20
m-Xylene & p-Xylene	50.0	51.0		ug/L		102	80 - 120	2	20
Naphthalene	50.0	63.5		ug/L		127	59 - 140	6	20
n-Butylbenzene	50.0	50.4		ug/L		101	80 - 120	1	20
N-Propylbenzene	50.0	53.8		ug/L		108	80 - 120	0	20
o-Xylene	50.0	53.3		ug/L		107	80 - 120	0	30
p-Isopropyltoluene	50.0	54.6		ug/L		109	80 - 120	2	20
sec-Butylbenzene	50.0	55.5		ug/L		111	80 - 120	2	20
Styrene	50.0	58.4		ug/L		117	80 - 120	0	20
tert-Butylbenzene	50.0	54.9		ug/L		110	80 - 121	2	20
1,1,1,2-Tetrachloroethane	50.0	53.6		ug/L		107	80 - 121	0	20
1,1,2,2-Tetrachloroethane	50.0	49.9		ug/L		100	80 - 120	1	20
Tetrachloroethylene	50.0	54.8		ug/L		110	80 - 121	0	20
Toluene	50.0	55.2		ug/L		110	80 - 113	0	20
trans-1,4-Dichloro-2-butene	50.0	56.1		ug/L		112	68 - 125	0	30
trans-1,2-Dichloroethene	50.0	54.4		ug/L		109	80 - 120	2	20
trans-1,3-Dichloropropene	50.0	52.7		ug/L		105	80 - 120	0	30
1,2,3-Trichlorobenzene	50.0	66.4		ug/L		133	61 - 141	5	20
1,2,4-Trichlorobenzene	50.0	59.8		ug/L		120	68 - 128	1	20
1,1,1-Trichloroethane	50.0	53.1		ug/L		106	80 - 120	1	20
1,1,2-Trichloroethane	50.0	51.5		ug/L		103	80 - 120	1	20
Trichloroethene	50.0	53.5		ug/L		107	80 - 120	0	20
Trichlorofluoromethane	50.0	52.9		ug/L		106	60 - 141	3	20
1,2,3-Trichloropropane	50.0	48.5		ug/L		97	80 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.6		ug/L		101	79 - 124	0	20
1,2,4-Trimethylbenzene	50.0	55.7		ug/L		111	80 - 120	0	20
1,3,5-Trimethylbenzene	50.0	55.4		ug/L		111	80 - 120	1	20
Vinyl acetate	100	107		ug/L		107	67 - 135	3	20
Vinyl chloride	50.0	55.1		ug/L		110	71 - 128	5	20
Xylenes, Total	100	104		ug/L		104	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597216/4

Matrix: Water

Analysis Batch: 597216

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
Dibromofluoromethane (Surr)	108		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: MB 680-597434/9

Matrix: Water

Analysis Batch: 597434

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			11/22/19 14:01	1
Acrylonitrile	10	U	20	10	ug/L			11/22/19 14:01	1
Benzene	0.43	U	1.0	0.43	ug/L			11/22/19 14:01	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/22/19 14:01	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/22/19 14:01	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/22/19 14:01	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/22/19 14:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/22/19 14:01	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/22/19 14:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/22/19 14:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/22/19 14:01	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/22/19 14:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/22/19 14:01	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/22/19 14:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/22/19 14:01	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/22/19 14:01	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/22/19 14:01	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/22/19 14:01	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/22/19 14:01	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/22/19 14:01	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/22/19 14:01	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/22/19 14:01	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/22/19 14:01	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/22/19 14:01	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/22/19 14:01	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/22/19 14:01	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/22/19 14:01	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/22/19 14:01	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/22/19 14:01	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/22/19 14:01	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/22/19 14:01	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/22/19 14:01	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/22/19 14:01	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/22/19 14:01	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/22/19 14:01	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/22/19 14:01	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/22/19 14:01	1
Iodomethane	5.0	U	10	5.0	ug/L			11/22/19 14:01	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/22/19 14:01	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: MB 680-597434/9

Matrix: Water

Analysis Batch: 597434

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			11/22/19 14:01	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/22/19 14:01	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/22/19 14:01	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/22/19 14:01	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/22/19 14:01	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 14:01	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/22/19 14:01	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/22/19 14:01	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/22/19 14:01	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/22/19 14:01	1
Styrene	0.27	U	1.0	0.27	ug/L			11/22/19 14:01	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/22/19 14:01	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 14:01	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/22/19 14:01	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/22/19 14:01	1
Toluene	0.48	U	1.0	0.48	ug/L			11/22/19 14:01	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/22/19 14:01	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/22/19 14:01	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/22/19 14:01	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 14:01	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 14:01	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 14:01	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/22/19 14:01	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/22/19 14:01	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/22/19 14:01	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/22/19 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/22/19 14:01	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 14:01	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/22/19 14:01	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/22/19 14:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/22/19 14:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/22/19 14:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/22/19 14:01	1
Dibromofluoromethane (Surr)	97		80 - 122		11/22/19 14:01	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		11/22/19 14:01	1
Toluene-d8 (Surr)	109		80 - 120		11/22/19 14:01	1

Lab Sample ID: LCS 680-597434/4

Matrix: Water

Analysis Batch: 597434

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	70 - 135
Acrylonitrile	500	506		ug/L		101	80 - 123
Benzene	50.0	48.9		ug/L		98	80 - 120
Bromobenzene	50.0	46.0		ug/L		92	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597434/4

Matrix: Water

Analysis Batch: 597434

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	44.6		ug/L		89	80 - 120
Bromodichloromethane	50.0	48.2		ug/L		96	80 - 120
Bromoform	50.0	49.8		ug/L		100	74 - 126
Bromomethane	50.1	38.8		ug/L		77	62 - 130
2-Butanone (MEK)	250	242		ug/L		97	80 - 131
Carbon disulfide	50.0	53.9		ug/L		108	80 - 120
Carbon tetrachloride	50.0	48.1		ug/L		96	76 - 123
Chlorobenzene	50.0	46.9		ug/L		94	80 - 120
Chloroethane	50.0	47.5		ug/L		95	66 - 135
Chloroform	50.0	45.6		ug/L		91	80 - 120
Chloromethane	50.0	47.4		ug/L		95	69 - 131
2-Chlorotoluene	50.0	45.3		ug/L		91	80 - 120
4-Chlorotoluene	50.0	43.8		ug/L		88	80 - 120
cis-1,2-Dichloroethene	50.0	49.1		ug/L		98	80 - 120
cis-1,3-Dichloropropene	50.0	45.8		ug/L		92	80 - 120
Dibromochloromethane	50.0	47.4		ug/L		95	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	55.7		ug/L		111	71 - 134
1,2-Dibromoethane	50.0	45.8		ug/L		92	80 - 120
Dibromomethane	50.0	45.9		ug/L		92	80 - 120
1,2-Dichlorobenzene	50.0	45.7		ug/L		91	80 - 120
1,3-Dichlorobenzene	50.0	47.4		ug/L		95	80 - 120
1,4-Dichlorobenzene	50.0	47.0		ug/L		94	80 - 120
Dichlorodifluoromethane	50.1	55.4		ug/L		111	47 - 155
1,1-Dichloroethane	50.0	49.1		ug/L		98	80 - 120
1,2-Dichloroethane	50.0	42.0		ug/L		84	80 - 120
1,1-Dichloroethene	50.0	54.9		ug/L		110	76 - 120
1,2-Dichloropropane	50.0	50.8		ug/L		102	80 - 120
1,3-Dichloropropane	50.0	45.1		ug/L		90	80 - 120
2,2-Dichloropropane	50.0	49.0		ug/L		98	76 - 126
1,1-Dichloropropene	50.0	49.1		ug/L		98	80 - 120
Ethylbenzene	50.0	48.8		ug/L		98	80 - 120
Hexachlorobutadiene	50.0	53.5		ug/L		107	60 - 140
2-Hexanone	250	258		ug/L		103	74 - 127
Iodomethane	50.0	40.1		ug/L		80	52 - 142
Isopropylbenzene	50.0	49.3		ug/L		99	80 - 120
Methylene Chloride	50.0	46.3		ug/L		93	80 - 120
4-Methyl-2-pentanone	250	227		ug/L		91	76 - 124
Methyl tert-butyl ether	50.0	46.6		ug/L		93	80 - 120
m-Xylene & p-Xylene	50.0	48.1		ug/L		96	80 - 120
Naphthalene	50.0	53.9		ug/L		108	59 - 140
n-Butylbenzene	50.0	52.8		ug/L		106	80 - 120
N-Propylbenzene	50.0	48.2		ug/L		96	80 - 120
o-Xylene	50.0	48.6		ug/L		97	80 - 120
p-Isopropyltoluene	50.0	51.4		ug/L		103	80 - 120
sec-Butylbenzene	50.0	48.5		ug/L		97	80 - 120
Styrene	50.0	52.0		ug/L		104	80 - 120
tert-Butylbenzene	50.0	46.2		ug/L		92	80 - 121
1,1,1,2-Tetrachloroethane	50.0	46.0		ug/L		92	80 - 121
1,1,2,2-Tetrachloroethane	50.0	48.5		ug/L		97	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597434/4

Matrix: Water

Analysis Batch: 597434

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	46.7		ug/L		93	80 - 121
Toluene	50.0	44.7		ug/L		89	80 - 113
trans-1,4-Dichloro-2-butene	50.0	50.4		ug/L		101	68 - 125
trans-1,2-Dichloroethene	50.0	50.0		ug/L		100	80 - 120
trans-1,3-Dichloropropene	50.0	43.6		ug/L		87	80 - 120
1,2,3-Trichlorobenzene	50.0	50.1		ug/L		100	61 - 141
1,2,4-Trichlorobenzene	50.0	48.7		ug/L		97	68 - 128
1,1,1-Trichloroethane	50.0	46.9		ug/L		94	80 - 120
1,1,2-Trichloroethane	50.0	46.9		ug/L		94	80 - 120
Trichloroethene	50.0	46.4		ug/L		93	80 - 120
Trichlorofluoromethane	50.0	45.9		ug/L		92	60 - 141
1,2,3-Trichloropropane	50.0	45.1		ug/L		90	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.9		ug/L		106	79 - 124
1,2,4-Trimethylbenzene	50.0	46.2		ug/L		92	80 - 120
1,3,5-Trimethylbenzene	50.0	44.4		ug/L		89	80 - 120
Vinyl acetate	100	102		ug/L		102	67 - 135
Vinyl chloride	50.1	49.4		ug/L		99	71 - 128
Xylenes, Total	100	96.7		ug/L		97	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	90		80 - 122
1,2-Dichloroethane-d4 (Surr)	81		73 - 131
Toluene-d8 (Surr)	85		80 - 120

Lab Sample ID: LCSD 680-597434/5

Matrix: Water

Analysis Batch: 597434

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	275		ug/L		110	70 - 135	12	30
Acrylonitrile	500	559		ug/L		112	80 - 123	10	20
Benzene	50.0	51.8		ug/L		104	80 - 120	6	20
Bromobenzene	50.0	42.4		ug/L		85	80 - 121	8	20
Bromochloromethane	50.0	48.1		ug/L		96	80 - 120	8	20
Bromodichloromethane	50.0	47.4		ug/L		95	80 - 120	2	20
Bromoform	50.0	49.0		ug/L		98	74 - 126	2	20
Bromomethane	50.1	42.2		ug/L		84	62 - 130	8	20
2-Butanone (MEK)	250	270		ug/L		108	80 - 131	11	20
Carbon disulfide	50.0	57.0		ug/L		114	80 - 120	6	20
Carbon tetrachloride	50.0	50.3		ug/L		101	76 - 123	4	20
Chlorobenzene	50.0	46.8		ug/L		94	80 - 120	0	20
Chloroethane	50.0	48.8		ug/L		98	66 - 135	3	20
Chloroform	50.0	48.4		ug/L		97	80 - 120	6	20
Chloromethane	50.0	50.2		ug/L		100	69 - 131	6	30
2-Chlorotoluene	50.0	45.2		ug/L		90	80 - 120	0	20
4-Chlorotoluene	50.0	45.5		ug/L		91	80 - 120	4	20
cis-1,2-Dichloroethene	50.0	52.8		ug/L		106	80 - 120	7	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597434/5

Matrix: Water

Analysis Batch: 597434

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	54.1		ug/L		108	80 - 120	17	20
Dibromochloromethane	50.0	51.4		ug/L		103	80 - 121	8	20
1,2-Dibromo-3-Chloropropane	50.0	55.6		ug/L		111	71 - 134	0	20
1,2-Dibromoethane	50.0	50.3		ug/L		101	80 - 120	9	20
Dibromomethane	50.0	47.2		ug/L		94	80 - 120	3	20
1,2-Dichlorobenzene	50.0	45.6		ug/L		91	80 - 120	0	20
1,3-Dichlorobenzene	50.0	47.2		ug/L		94	80 - 120	0	20
1,4-Dichlorobenzene	50.0	46.7		ug/L		93	80 - 120	1	20
Dichlorodifluoromethane	50.1	56.8		ug/L		113	47 - 155	2	40
1,1-Dichloroethane	50.0	52.5		ug/L		105	80 - 120	7	20
1,2-Dichloroethane	50.0	43.5		ug/L		87	80 - 120	4	50
1,1-Dichloroethene	50.0	58.2		ug/L		116	76 - 120	6	20
1,2-Dichloropropane	50.0	50.8		ug/L		102	80 - 120	0	20
1,3-Dichloropropane	50.0	49.5		ug/L		99	80 - 120	9	20
2,2-Dichloropropane	50.0	51.6		ug/L		103	76 - 126	5	20
1,1-Dichloropropene	50.0	51.9		ug/L		104	80 - 120	5	20
Ethylbenzene	50.0	48.6		ug/L		97	80 - 120	0	20
Hexachlorobutadiene	50.0	52.9		ug/L		106	60 - 140	1	20
2-Hexanone	250	283		ug/L		113	74 - 127	9	20
Iodomethane	50.0	42.7		ug/L		85	52 - 142	6	30
Isopropylbenzene	50.0	47.0		ug/L		94	80 - 120	5	20
Methylene Chloride	50.0	50.4		ug/L		101	80 - 120	8	20
4-Methyl-2-pentanone	250	275		ug/L		110	76 - 124	19	20
Methyl tert-butyl ether	50.0	51.2		ug/L		102	80 - 120	10	20
m-Xylene & p-Xylene	50.0	47.9		ug/L		96	80 - 120	0	20
Naphthalene	50.0	54.6		ug/L		109	59 - 140	1	20
n-Butylbenzene	50.0	51.3		ug/L		103	80 - 120	3	20
N-Propylbenzene	50.0	45.4		ug/L		91	80 - 120	6	20
o-Xylene	50.0	47.8		ug/L		96	80 - 120	2	30
p-Isopropyltoluene	50.0	49.8		ug/L		100	80 - 120	3	20
sec-Butylbenzene	50.0	48.5		ug/L		97	80 - 120	0	20
Styrene	50.0	51.8		ug/L		104	80 - 120	0	20
tert-Butylbenzene	50.0	46.0		ug/L		92	80 - 121	0	20
1,1,1,2-Tetrachloroethane	50.0	46.5		ug/L		93	80 - 121	1	20
1,1,2,2-Tetrachloroethane	50.0	44.9		ug/L		90	80 - 120	8	20
Tetrachloroethylene	50.0	50.4		ug/L		101	80 - 121	8	20
Toluene	50.0	51.2		ug/L		102	80 - 113	14	20
trans-1,4-Dichloro-2-butene	50.0	47.7		ug/L		95	68 - 125	6	30
trans-1,2-Dichloroethene	50.0	53.3		ug/L		107	80 - 120	6	20
trans-1,3-Dichloropropene	50.0	48.3		ug/L		97	80 - 120	10	30
1,2,3-Trichlorobenzene	50.0	50.3		ug/L		101	61 - 141	0	20
1,2,4-Trichlorobenzene	50.0	49.2		ug/L		98	68 - 128	1	20
1,1,1-Trichloroethane	50.0	49.7		ug/L		99	80 - 120	6	20
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	80 - 120	9	20
Trichloroethene	50.0	46.9		ug/L		94	80 - 120	1	20
Trichlorofluoromethane	50.0	48.6		ug/L		97	60 - 141	6	20
1,2,3-Trichloropropane	50.0	42.6		ug/L		85	80 - 123	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.8		ug/L		112	79 - 124	5	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597434/5

Matrix: Water

Analysis Batch: 597434

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	46.7		ug/L		93	80 - 120	1	20
1,3,5-Trimethylbenzene	50.0	46.1		ug/L		92	80 - 120	4	20
Vinyl acetate	100	109		ug/L		109	67 - 135	7	20
Vinyl chloride	50.1	51.6		ug/L		103	71 - 128	4	20
Xylenes, Total	100	95.7		ug/L		96	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	87		80 - 120
Dibromofluoromethane (Surr)	97		80 - 122
1,2-Dichloroethane-d4 (Surr)	87		73 - 131
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: MB 680-597481/9

Matrix: Water

Analysis Batch: 597481

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			11/22/19 15:41	1
Acrylonitrile	10	U	20	10	ug/L			11/22/19 15:41	1
Benzene	0.43	U	1.0	0.43	ug/L			11/22/19 15:41	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/22/19 15:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/22/19 15:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/22/19 15:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/22/19 15:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/22/19 15:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/22/19 15:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/22/19 15:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/22/19 15:41	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/22/19 15:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/22/19 15:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/22/19 15:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/22/19 15:41	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/22/19 15:41	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/22/19 15:41	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/22/19 15:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/22/19 15:41	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/22/19 15:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/22/19 15:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/22/19 15:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/22/19 15:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/22/19 15:41	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/22/19 15:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/22/19 15:41	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/22/19 15:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/22/19 15:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/22/19 15:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/22/19 15:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/22/19 15:41	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: MB 680-597481/9

Matrix: Water

Analysis Batch: 597481

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			11/22/19 15:41	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/22/19 15:41	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/22/19 15:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/22/19 15:41	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/22/19 15:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/22/19 15:41	1
Iodomethane	5.0	U	10	5.0	ug/L			11/22/19 15:41	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/22/19 15:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/22/19 15:41	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/22/19 15:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/22/19 15:41	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/22/19 15:41	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/22/19 15:41	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 15:41	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/22/19 15:41	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/22/19 15:41	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/22/19 15:41	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/22/19 15:41	1
Styrene	0.27	U	1.0	0.27	ug/L			11/22/19 15:41	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/22/19 15:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 15:41	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/22/19 15:41	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/22/19 15:41	1
Toluene	0.48	U	1.0	0.48	ug/L			11/22/19 15:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/22/19 15:41	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/22/19 15:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/22/19 15:41	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 15:41	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/22/19 15:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/22/19 15:41	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/22/19 15:41	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/22/19 15:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/22/19 15:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/22/19 15:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/22/19 15:41	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/22/19 15:41	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/22/19 15:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/22/19 15:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/22/19 15:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/22/19 15:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		11/22/19 15:41	1
Dibromofluoromethane (Surr)	98		80 - 122		11/22/19 15:41	1
1,2-Dichloroethane-d4 (Surr)	94		73 - 131		11/22/19 15:41	1
Toluene-d8 (Surr)	98		80 - 120		11/22/19 15:41	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597481/3

Matrix: Water

Analysis Batch: 597481

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	70 - 135
Acrylonitrile	500	506		ug/L		101	80 - 123
Benzene	50.0	50.4		ug/L		101	80 - 120
Bromobenzene	50.0	49.9		ug/L		100	80 - 121
Bromochloromethane	50.0	47.8		ug/L		96	80 - 120
Bromodichloromethane	50.0	53.8		ug/L		108	80 - 120
Bromoform	50.0	46.1		ug/L		92	74 - 126
Bromomethane	50.1	54.7		ug/L		109	62 - 130
2-Butanone (MEK)	250	230		ug/L		92	80 - 131
Carbon disulfide	50.0	54.5		ug/L		109	80 - 120
Carbon tetrachloride	50.0	49.5		ug/L		99	76 - 123
Chlorobenzene	50.0	49.6		ug/L		99	80 - 120
Chloroethane	50.0	52.0		ug/L		104	66 - 135
Chloroform	50.0	50.5		ug/L		101	80 - 120
Chloromethane	50.0	45.9		ug/L		92	69 - 131
2-Chlorotoluene	50.0	49.4		ug/L		99	80 - 120
4-Chlorotoluene	50.0	48.2		ug/L		96	80 - 120
cis-1,2-Dichloroethene	50.0	51.4		ug/L		103	80 - 120
cis-1,3-Dichloropropene	50.0	53.5		ug/L		107	80 - 120
Dibromochloromethane	50.0	52.7		ug/L		105	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	47.4		ug/L		95	71 - 134
1,2-Dibromoethane	50.0	53.1		ug/L		106	80 - 120
Dibromomethane	50.0	50.8		ug/L		102	80 - 120
1,2-Dichlorobenzene	50.0	51.8		ug/L		104	80 - 120
1,3-Dichlorobenzene	50.0	51.2		ug/L		102	80 - 120
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	80 - 120
Dichlorodifluoromethane	50.1	63.5		ug/L		127	47 - 155
1,1-Dichloroethane	50.0	52.0		ug/L		104	80 - 120
1,2-Dichloroethane	50.0	44.6		ug/L		89	80 - 120
1,1-Dichloroethene	50.0	54.8		ug/L		110	76 - 120
1,2-Dichloropropane	50.0	48.3		ug/L		97	80 - 120
1,3-Dichloropropane	50.0	53.5		ug/L		107	80 - 120
2,2-Dichloropropane	50.0	49.4		ug/L		99	76 - 126
1,1-Dichloropropene	50.0	50.1		ug/L		100	80 - 120
Ethylbenzene	50.0	51.0		ug/L		102	80 - 120
Hexachlorobutadiene	50.0	54.8		ug/L		110	60 - 140
2-Hexanone	250	244		ug/L		98	74 - 127
Iodomethane	50.0	44.3		ug/L		89	52 - 142
Isopropylbenzene	50.0	51.1		ug/L		102	80 - 120
Methylene Chloride	50.0	49.2		ug/L		98	80 - 120
4-Methyl-2-pentanone	250	270		ug/L		108	76 - 124
Methyl tert-butyl ether	50.0	50.8		ug/L		102	80 - 120
m-Xylene & p-Xylene	50.0	49.7		ug/L		99	80 - 120
Naphthalene	50.0	52.5		ug/L		105	59 - 140
n-Butylbenzene	50.0	54.3		ug/L		109	80 - 120
N-Propylbenzene	50.0	49.2		ug/L		98	80 - 120
o-Xylene	50.0	50.2		ug/L		100	80 - 120
p-Isopropyltoluene	50.0	51.8		ug/L		104	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597481/3

Matrix: Water

Analysis Batch: 597481

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	50.0		ug/L		100	80 - 120
Styrene	50.0	49.3		ug/L		99	80 - 120
tert-Butylbenzene	50.0	49.3		ug/L		99	80 - 121
1,1,1,2-Tetrachloroethane	50.0	47.3		ug/L		95	80 - 121
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/L		96	80 - 120
Tetrachloroethylene	50.0	56.3		ug/L		113	80 - 121
Toluene	50.0	54.7		ug/L		109	80 - 113
trans-1,4-Dichloro-2-butene	50.0	44.3		ug/L		89	68 - 125
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	80 - 120
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	80 - 120
1,2,3-Trichlorobenzene	50.0	50.7		ug/L		101	61 - 141
1,2,4-Trichlorobenzene	50.0	52.9		ug/L		106	68 - 128
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	80 - 120
1,1,2-Trichloroethane	50.0	53.0		ug/L		106	80 - 120
Trichloroethene	50.0	49.9		ug/L		100	80 - 120
Trichlorofluoromethane	50.0	53.2		ug/L		106	60 - 141
1,2,3-Trichloropropane	50.0	46.6		ug/L		93	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.2		ug/L		110	79 - 124
1,2,4-Trimethylbenzene	50.0	49.3		ug/L		99	80 - 120
1,3,5-Trimethylbenzene	50.0	49.9		ug/L		100	80 - 120
Vinyl acetate	100	112		ug/L		112	67 - 135
Vinyl chloride	50.1	53.8		ug/L		107	71 - 128
Xylenes, Total	100	99.9		ug/L		100	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		73 - 131
Toluene-d8 (Surr)	112		80 - 120

Lab Sample ID: LCSD 680-597481/4

Matrix: Water

Analysis Batch: 597481

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	70 - 135	1	30
Acrylonitrile	500	493		ug/L		99	80 - 123	3	20
Benzene	50.0	48.6		ug/L		97	80 - 120	4	20
Bromobenzene	50.0	49.4		ug/L		99	80 - 121	1	20
Bromochloromethane	50.0	44.9		ug/L		90	80 - 120	6	20
Bromodichloromethane	50.0	47.5		ug/L		95	80 - 120	12	20
Bromoform	50.0	46.6		ug/L		93	74 - 126	1	20
Bromomethane	50.1	58.2		ug/L		116	62 - 130	6	20
2-Butanone (MEK)	250	247		ug/L		99	80 - 131	7	20
Carbon disulfide	50.0	52.8		ug/L		106	80 - 120	3	20
Carbon tetrachloride	50.0	49.3		ug/L		99	76 - 123	0	20
Chlorobenzene	50.0	49.1		ug/L		98	80 - 120	1	20
Chloroethane	50.0	50.8		ug/L		102	66 - 135	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597481/4

Matrix: Water

Analysis Batch: 597481

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	45.2		ug/L		90	80 - 120	11	20
Chloromethane	50.0	45.4		ug/L		91	69 - 131	1	30
2-Chlorotoluene	50.0	48.7		ug/L		97	80 - 120	1	20
4-Chlorotoluene	50.0	48.0		ug/L		96	80 - 120	0	20
cis-1,2-Dichloroethene	50.0	54.3		ug/L		109	80 - 120	6	20
cis-1,3-Dichloropropene	50.0	52.3		ug/L		105	80 - 120	2	20
Dibromochloromethane	50.0	51.1		ug/L		102	80 - 121	3	20
1,2-Dibromo-3-Chloropropane	50.0	46.9		ug/L		94	71 - 134	1	20
1,2-Dibromoethane	50.0	52.0		ug/L		104	80 - 120	2	20
Dibromomethane	50.0	48.8		ug/L		98	80 - 120	4	20
1,2-Dichlorobenzene	50.0	50.6		ug/L		101	80 - 120	2	20
1,3-Dichlorobenzene	50.0	50.0		ug/L		100	80 - 120	2	20
1,4-Dichlorobenzene	50.0	48.8		ug/L		98	80 - 120	2	20
Dichlorodifluoromethane	50.1	61.8		ug/L		123	47 - 155	3	40
1,1-Dichloroethane	50.0	50.9		ug/L		102	80 - 120	2	20
1,2-Dichloroethane	50.0	45.2		ug/L		90	80 - 120	1	50
1,1-Dichloroethene	50.0	50.9		ug/L		102	76 - 120	7	20
1,2-Dichloropropane	50.0	46.2		ug/L		92	80 - 120	4	20
1,3-Dichloropropane	50.0	52.2		ug/L		104	80 - 120	2	20
2,2-Dichloropropane	50.0	54.5 *		ug/L		109	76 - 126	200	20
1,1-Dichloropropene	50.0	48.5		ug/L		97	80 - 120	3	20
Ethylbenzene	50.0	50.0		ug/L		100	80 - 120	2	20
Hexachlorobutadiene	50.0	52.4		ug/L		105	60 - 140	5	20
2-Hexanone	250	235		ug/L		94	74 - 127	4	20
Iodomethane	50.0	42.0		ug/L		84	52 - 142	5	30
Isopropylbenzene	50.0	49.9		ug/L		100	80 - 120	3	20
Methylene Chloride	50.0	48.2		ug/L		96	80 - 120	2	20
4-Methyl-2-pentanone	250	261		ug/L		104	76 - 124	4	20
Methyl tert-butyl ether	50.0	49.8		ug/L		100	80 - 120	2	20
m-Xylene & p-Xylene	50.0	48.8		ug/L		98	80 - 120	2	20
Naphthalene	50.0	51.4		ug/L		103	59 - 140	2	20
n-Butylbenzene	50.0	52.2		ug/L		104	80 - 120	4	20
N-Propylbenzene	50.0	48.9		ug/L		98	80 - 120	1	20
o-Xylene	50.0	49.3		ug/L		99	80 - 120	2	30
p-Isopropyltoluene	50.0	50.5		ug/L		101	80 - 120	3	20
sec-Butylbenzene	50.0	49.8		ug/L		100	80 - 120	0	20
Styrene	50.0	48.3		ug/L		97	80 - 120	2	20
tert-Butylbenzene	50.0	48.8		ug/L		98	80 - 121	1	20
1,1,1,2-Tetrachloroethane	50.0	46.7		ug/L		93	80 - 121	1	20
1,1,2,2-Tetrachloroethane	50.0	47.7		ug/L		95	80 - 120	0	20
Tetrachloroethylene	50.0	54.4		ug/L		109	80 - 121	3	20
Toluene	50.0	53.3		ug/L		107	80 - 113	3	20
trans-1,4-Dichloro-2-butene	50.0	44.2		ug/L		88	68 - 125	0	30
trans-1,2-Dichloroethene	50.0	52.2		ug/L		104	80 - 120	5	20
trans-1,3-Dichloropropene	50.0	51.8		ug/L		104	80 - 120	2	30
1,2,3-Trichlorobenzene	50.0	50.4		ug/L		101	61 - 141	1	20
1,2,4-Trichlorobenzene	50.0	51.5		ug/L		103	68 - 128	3	20
1,1,1-Trichloroethane	50.0	48.1		ug/L		96	80 - 120	1	20
1,1,2-Trichloroethane	50.0	51.5		ug/L		103	80 - 120	3	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597481/4

Matrix: Water

Analysis Batch: 597481

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	49.0		ug/L		98	80 - 120	2	20
Trichlorofluoromethane	50.0	52.1		ug/L		104	60 - 141	2	20
1,2,3-Trichloropropane	50.0	45.8		ug/L		92	80 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.3		ug/L		107	79 - 124	4	20
1,2,4-Trimethylbenzene	50.0	48.7		ug/L		97	80 - 120	1	20
1,3,5-Trimethylbenzene	50.0	49.3		ug/L		99	80 - 120	1	20
Vinyl acetate	100	107		ug/L		107	67 - 135	4	20
Vinyl chloride	50.1	53.1		ug/L		106	71 - 128	1	20
Xylenes, Total	100	98.1		ug/L		98	80 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		73 - 131
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: MB 680-597626/9

Matrix: Water

Analysis Batch: 597626

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			11/23/19 15:54	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 15:54	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 15:54	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 15:54	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 15:54	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 15:54	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 15:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 15:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 15:54	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 15:54	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/19 15:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 15:54	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 15:54	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 15:54	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 15:54	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/19 15:54	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 15:54	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 15:54	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 15:54	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 15:54	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 15:54	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 15:54	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 15:54	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 15:54	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: MB 680-597626/9

Matrix: Water

Analysis Batch: 597626

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			11/23/19 15:54	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 15:54	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 15:54	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 15:54	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 15:54	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 15:54	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 15:54	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 15:54	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 15:54	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 15:54	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 15:54	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 15:54	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 15:54	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 15:54	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 15:54	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 15:54	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 15:54	1
sec-Butylbenzene	0.42	U	1.0	0.42	ug/L			11/23/19 15:54	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 15:54	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 15:54	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 15:54	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 15:54	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/19 15:54	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 15:54	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 15:54	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 15:54	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 15:54	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 15:54	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/19 15:54	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 15:54	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 15:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 15:54	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 15:54	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 15:54	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 15:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 15:54	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 15:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		11/23/19 15:54	1
Dibromofluoromethane (Surr)	102		80 - 122		11/23/19 15:54	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: MB 680-597626/9

Matrix: Water

Analysis Batch: 597626

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		11/23/19 15:54	1
Toluene-d8 (Surr)	98		80 - 120		11/23/19 15:54	1

Lab Sample ID: LCS 680-597626/3

Matrix: Water

Analysis Batch: 597626

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	216		ug/L		86	70 - 135
Acrylonitrile	500	468		ug/L		94	80 - 123
Benzene	50.0	49.8		ug/L		100	80 - 120
Bromobenzene	50.0	49.2		ug/L		98	80 - 121
Bromochloromethane	50.0	47.1		ug/L		94	80 - 120
Bromodichloromethane	50.0	46.8		ug/L		94	80 - 120
Bromoform	50.0	44.7		ug/L		89	74 - 126
Bromomethane	50.1	46.0		ug/L		92	62 - 130
2-Butanone (MEK)	250	237		ug/L		95	80 - 131
Carbon disulfide	50.0	49.8		ug/L		100	80 - 120
Carbon tetrachloride	50.0	49.5		ug/L		99	76 - 123
Chlorobenzene	50.0	49.3		ug/L		99	80 - 120
Chloroethane	50.0	47.2		ug/L		94	66 - 135
Chloroform	50.0	49.6		ug/L		99	80 - 120
Chloromethane	50.0	38.9		ug/L		78	69 - 131
2-Chlorotoluene	50.0	48.9		ug/L		98	80 - 120
4-Chlorotoluene	50.0	47.9		ug/L		96	80 - 120
cis-1,2-Dichloroethene	50.0	50.4		ug/L		101	80 - 120
cis-1,3-Dichloropropene	50.0	47.4		ug/L		95	80 - 120
Dibromochloromethane	50.0	46.4		ug/L		93	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	46.1		ug/L		92	71 - 134
1,2-Dibromoethane	50.0	48.1		ug/L		96	80 - 120
Dibromomethane	50.0	46.5		ug/L		93	80 - 120
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120
1,3-Dichlorobenzene	50.0	50.8		ug/L		102	80 - 120
1,4-Dichlorobenzene	50.0	50.3		ug/L		101	80 - 120
Dichlorodifluoromethane	50.1	57.5		ug/L		115	47 - 155
1,1-Dichloroethane	50.0	47.9		ug/L		96	80 - 120
1,2-Dichloroethane	50.0	48.2		ug/L		96	80 - 120
1,1-Dichloroethene	50.0	49.6		ug/L		99	76 - 120
1,2-Dichloropropane	50.0	46.7		ug/L		93	80 - 120
1,3-Dichloropropane	50.0	48.3		ug/L		97	80 - 120
2,2-Dichloropropane	50.0	51.5		ug/L		103	76 - 126
1,1-Dichloropropene	50.0	50.0		ug/L		100	80 - 120
Ethylbenzene	50.0	50.9		ug/L		102	80 - 120
Hexachlorobutadiene	50.0	54.5		ug/L		109	60 - 140
2-Hexanone	250	225		ug/L		90	74 - 127
Iodomethane	50.0	42.3		ug/L		85	52 - 142
Isopropylbenzene	50.0	50.5		ug/L		101	80 - 120
Methylene Chloride	50.0	44.2		ug/L		88	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597626/3

Matrix: Water

Analysis Batch: 597626

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	250	249		ug/L		100	76 - 124
Methyl tert-butyl ether	50.0	46.5		ug/L		93	80 - 120
m-Xylene & p-Xylene	50.0	48.9		ug/L		98	80 - 120
Naphthalene	50.0	51.8		ug/L		104	59 - 140
n-Butylbenzene	50.0	53.6		ug/L		107	80 - 120
N-Propylbenzene	50.0	49.0		ug/L		98	80 - 120
o-Xylene	50.0	50.0		ug/L		100	80 - 120
p-Isopropyltoluene	50.0	51.7		ug/L		103	80 - 120
sec-Butylbenzene	50.0	49.5		ug/L		99	80 - 120
Styrene	50.0	48.3		ug/L		97	80 - 120
tert-Butylbenzene	50.0	48.9		ug/L		98	80 - 121
1,1,1,2-Tetrachloroethane	50.0	46.7		ug/L		93	80 - 121
1,1,2,2-Tetrachloroethane	50.0	47.5		ug/L		95	80 - 120
Tetrachloroethylene	50.0	51.5		ug/L		103	80 - 121
Toluene	50.0	50.1		ug/L		100	80 - 113
trans-1,4-Dichloro-2-butene	50.0	43.9		ug/L		88	68 - 125
trans-1,2-Dichloroethene	50.0	49.8		ug/L		100	80 - 120
trans-1,3-Dichloropropene	50.0	47.2		ug/L		94	80 - 120
1,2,3-Trichlorobenzene	50.0	50.1		ug/L		100	61 - 141
1,2,4-Trichlorobenzene	50.0	52.5		ug/L		105	68 - 128
1,1,1-Trichloroethane	50.0	48.8		ug/L		98	80 - 120
1,1,2-Trichloroethane	50.0	48.0		ug/L		96	80 - 120
Trichloroethene	50.0	50.3		ug/L		101	80 - 120
Trichlorofluoromethane	50.0	49.6		ug/L		99	60 - 141
1,2,3-Trichloropropane	50.0	46.0		ug/L		92	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	50.3		ug/L		101	79 - 124
1,2,4-Trimethylbenzene	50.0	49.2		ug/L		98	80 - 120
1,3,5-Trimethylbenzene	50.0	49.6		ug/L		99	80 - 120
Vinyl acetate	100	104		ug/L		104	67 - 135
Vinyl chloride	50.1	50.0		ug/L		100	71 - 128
Xylenes, Total	100	98.9		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	100		73 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 680-597626/4

Matrix: Water

Analysis Batch: 597626

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	230		ug/L		92	70 - 135	6	30
Acrylonitrile	500	483		ug/L		97	80 - 123	3	20
Benzene	50.0	50.4		ug/L		101	80 - 120	1	20
Bromobenzene	50.0	50.0		ug/L		100	80 - 121	2	20
Bromochloromethane	50.0	48.5		ug/L		97	80 - 120	3	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597626/4

Matrix: Water

Analysis Batch: 597626

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	50.5		ug/L		101	80 - 120	8	20
Bromoform	50.0	45.5		ug/L		91	74 - 126	2	20
Bromomethane	50.1	50.2		ug/L		100	62 - 130	9	20
2-Butanone (MEK)	250	244		ug/L		98	80 - 131	3	20
Carbon disulfide	50.0	51.1		ug/L		102	80 - 120	3	20
Carbon tetrachloride	50.0	51.3		ug/L		103	76 - 123	4	20
Chlorobenzene	50.0	49.4		ug/L		99	80 - 120	0	20
Chloroethane	50.0	48.5		ug/L		97	66 - 135	3	20
Chloroform	50.0	51.3		ug/L		103	80 - 120	3	20
Chloromethane	50.0	41.4		ug/L		83	69 - 131	6	30
2-Chlorotoluene	50.0	49.1		ug/L		98	80 - 120	0	20
4-Chlorotoluene	50.0	48.4		ug/L		97	80 - 120	1	20
cis-1,2-Dichloroethene	50.0	51.4		ug/L		103	80 - 120	2	20
cis-1,3-Dichloropropene	50.0	50.6		ug/L		101	80 - 120	7	20
Dibromochloromethane	50.0	48.2		ug/L		96	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	47.8		ug/L		96	71 - 134	4	20
1,2-Dibromoethane	50.0	49.4		ug/L		99	80 - 120	3	20
Dibromomethane	50.0	50.3		ug/L		101	80 - 120	8	20
1,2-Dichlorobenzene	50.0	54.0		ug/L		108	80 - 120	5	20
1,3-Dichlorobenzene	50.0	51.4		ug/L		103	80 - 120	1	20
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 120	0	20
Dichlorodifluoromethane	50.1	59.3		ug/L		118	47 - 155	3	40
1,1-Dichloroethane	50.0	49.5		ug/L		99	80 - 120	3	20
1,2-Dichloroethane	50.0	50.7		ug/L		101	80 - 120	5	50
1,1-Dichloroethene	50.0	50.8		ug/L		102	76 - 120	2	20
1,2-Dichloropropane	50.0	48.3		ug/L		97	80 - 120	3	20
1,3-Dichloropropane	50.0	50.2		ug/L		100	80 - 120	4	20
2,2-Dichloropropane	50.0	51.8		ug/L		104	76 - 126	1	20
1,1-Dichloropropene	50.0	51.6		ug/L		103	80 - 120	3	20
Ethylbenzene	50.0	51.2		ug/L		102	80 - 120	1	20
Hexachlorobutadiene	50.0	56.8		ug/L		114	60 - 140	4	20
2-Hexanone	250	233		ug/L		93	74 - 127	3	20
Iodomethane	50.0	43.1		ug/L		86	52 - 142	2	30
Isopropylbenzene	50.0	51.2		ug/L		102	80 - 120	2	20
Methylene Chloride	50.0	45.6		ug/L		91	80 - 120	3	20
4-Methyl-2-pentanone	250	259		ug/L		104	76 - 124	4	20
Methyl tert-butyl ether	50.0	47.9		ug/L		96	80 - 120	3	20
m-Xylene & p-Xylene	50.0	50.2		ug/L		100	80 - 120	3	20
Naphthalene	50.0	53.1		ug/L		106	59 - 140	3	20
n-Butylbenzene	50.0	55.5		ug/L		111	80 - 120	4	20
N-Propylbenzene	50.0	49.3		ug/L		99	80 - 120	1	20
o-Xylene	50.0	50.4		ug/L		101	80 - 120	1	30
p-Isopropyltoluene	50.0	52.1		ug/L		104	80 - 120	1	20
sec-Butylbenzene	50.0	51.5		ug/L		103	80 - 120	4	20
Styrene	50.0	49.1		ug/L		98	80 - 120	2	20
tert-Butylbenzene	50.0	49.2		ug/L		98	80 - 121	1	20
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	80 - 121	1	20
1,1,1,2,2-Tetrachloroethane	50.0	47.8		ug/L		96	80 - 120	1	20
Tetrachloroethylene	50.0	53.6		ug/L		107	80 - 121	4	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597626/4

Matrix: Water

Analysis Batch: 597626

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	52.0		ug/L		104	80 - 113	4	20
trans-1,4-Dichloro-2-butene	50.0	50.2		ug/L		100	68 - 125	13	30
trans-1,2-Dichloroethene	50.0	51.7		ug/L		103	80 - 120	4	20
trans-1,3-Dichloropropene	50.0	48.9		ug/L		98	80 - 120	3	30
1,2,3-Trichlorobenzene	50.0	53.2		ug/L		106	61 - 141	6	20
1,2,4-Trichlorobenzene	50.0	53.9		ug/L		108	68 - 128	3	20
1,1,1-Trichloroethane	50.0	50.3		ug/L		101	80 - 120	3	20
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	80 - 120	4	20
Trichloroethene	50.0	49.7		ug/L		99	80 - 120	1	20
Trichlorofluoromethane	50.0	50.8		ug/L		101	60 - 141	2	20
1,2,3-Trichloropropane	50.0	46.8		ug/L		94	80 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.9		ug/L		104	79 - 124	3	20
1,2,4-Trimethylbenzene	50.0	49.4		ug/L		99	80 - 120	0	20
1,3,5-Trimethylbenzene	50.0	50.6		ug/L		101	80 - 120	2	20
Vinyl acetate	100	106		ug/L		106	67 - 135	2	20
Vinyl chloride	50.1	52.0		ug/L		104	71 - 128	4	20
Xylenes, Total	100	101		ug/L		101	80 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		80 - 120
Dibromofluoromethane (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		73 - 131
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: 680-176987-1 MS

Matrix: Water

Analysis Batch: 597626

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	22		250	184		ug/L		65	60 - 154
Acrylonitrile	10	U	500	417		ug/L		83	72 - 132
Benzene	0.81	J	50.0	49.3		ug/L		97	73 - 131
Bromobenzene	0.50	U	50.0	47.7		ug/L		95	79 - 124
Bromochloromethane	0.45	U	50.0	45.3		ug/L		91	77 - 122
Bromodichloromethane	0.44	U	50.0	43.3		ug/L		87	77 - 129
Bromoform	0.43	U	50.0	43.2		ug/L		86	69 - 135
Bromomethane	2.5	U F2	50.1	36.5		ug/L		73	20 - 180
2-Butanone (MEK)	10		250	211		ug/L		80	75 - 133
Carbon disulfide	1.0	U	50.0	49.7		ug/L		99	73 - 127
Carbon tetrachloride	0.33	U	50.0	49.1		ug/L		98	75 - 130
Chlorobenzene	39	F1	50.0	117	F1	ug/L		155	80 - 120
Chloroethane	2.5	J	50.0	50.3		ug/L		101	50 - 151
Chloroform	0.50	U	50.0	48.4		ug/L		97	79 - 122
Chloromethane	0.40	U	50.0	42.9		ug/L		86	63 - 126
2-Chlorotoluene	0.27	U	50.0	48.4		ug/L		97	77 - 121
4-Chlorotoluene	0.45	U	50.0	47.2		ug/L		94	80 - 120
cis-1,2-Dichloroethene	0.52	J	50.0	50.2		ug/L		99	80 - 122
cis-1,3-Dichloropropene	0.40	U	50.0	43.1		ug/L		86	80 - 133

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: 680-176987-1 MS

Matrix: Water

Analysis Batch: 597626

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
Dibromochloromethane	0.32	U	50.0	43.7		ug/L		87	71 - 136
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	43.3		ug/L		87	59 - 141
1,2-Dibromoethane	0.44	U	50.0	44.6		ug/L		89	77 - 131
Dibromomethane	0.35	U	50.0	42.3		ug/L		85	80 - 122
1,2-Dichlorobenzene	0.37	U	50.0	49.4		ug/L		99	80 - 120
1,3-Dichlorobenzene	0.43	U	50.0	49.2		ug/L		98	80 - 120
1,4-Dichlorobenzene	0.46	U	50.0	48.4		ug/L		97	80 - 120
Dichlorodifluoromethane	0.60	U	50.1	53.1		ug/L		106	51 - 140
1,1-Dichloroethane	0.38	U	50.0	47.2		ug/L		94	80 - 120
1,2-Dichloroethane	5.6		50.0	50.4		ug/L		90	75 - 130
1,1-Dichloroethene	0.36	U	50.0	49.4		ug/L		99	74 - 125
1,2-Dichloropropane	0.67	U	50.0	43.4		ug/L		87	80 - 123
1,3-Dichloropropane	0.34	U	50.0	45.1		ug/L		90	78 - 127
2,2-Dichloropropane	0.37	U	50.0	40.7		ug/L		81	72 - 133
1,1-Dichloropropene	0.34	U	50.0	48.9		ug/L		98	78 - 127
Ethylbenzene	0.33	U	50.0	50.0		ug/L		100	80 - 120
Hexachlorobutadiene	2.5	U	50.0	47.4		ug/L		95	77 - 129
2-Hexanone	2.0	U	250	196		ug/L		78	70 - 141
Iodomethane	5.0	U	50.0	41.7		ug/L		83	15 - 162
Isopropylbenzene	0.35	U	50.0	50.2		ug/L		100	80 - 120
Methylene Chloride	2.5	U	50.0	43.7		ug/L		87	76 - 129
4-Methyl-2-pentanone	2.1	U	250	215		ug/L		86	75 - 135
Methyl tert-butyl ether	0.30	U	50.0	42.8		ug/L		86	74 - 135
m-Xylene & p-Xylene	0.35	U	50.0	48.9		ug/L		98	80 - 120
Naphthalene	2.5	U	50.0	49.8		ug/L		100	69 - 148
n-Butylbenzene	0.47	U	50.0	50.5		ug/L		101	78 - 124
N-Propylbenzene	0.38	U	50.0	47.7		ug/L		95	80 - 120
o-Xylene	0.23	U	50.0	49.3		ug/L		99	80 - 120
p-Isopropyltoluene	0.48	U	50.0	50.1		ug/L		100	80 - 120
sec-Butylbenzene	0.42	U	50.0	49.0		ug/L		98	76 - 125
Styrene	0.27	U	50.0	47.8		ug/L		96	80 - 122
tert-Butylbenzene	0.45	U	50.0	48.5		ug/L		97	80 - 120
1,1,1,2-Tetrachloroethane	0.37	U	50.0	45.8		ug/L		92	80 - 120
1,1,2,2-Tetrachloroethane	0.62	U	50.0	44.8		ug/L		90	72 - 128
Tetrachloroethylene	0.74	U	50.0	49.2		ug/L		98	77 - 123
Toluene	3.0		50.0	48.0		ug/L		90	80 - 122
trans-1,4-Dichloro-2-butene	0.51	U	50.0	38.3		ug/L		77	55 - 147
trans-1,2-Dichloroethene	0.82	J	50.0	50.3		ug/L		99	78 - 123
trans-1,3-Dichloropropene	0.42	U	50.0	42.0		ug/L		84	74 - 140
1,2,3-Trichlorobenzene	2.5	U	50.0	46.6		ug/L		93	61 - 151
1,2,4-Trichlorobenzene	2.5	U	50.0	48.3		ug/L		97	77 - 131
1,1,1-Trichloroethane	0.37	U	50.0	48.6		ug/L		97	74 - 128
1,1,2-Trichloroethane	0.33	U	50.0	44.8		ug/L		90	79 - 125
Trichloroethene	0.48	U	50.0	46.2		ug/L		92	80 - 123
Trichlorofluoromethane	0.42	U	50.0	48.1		ug/L		96	58 - 145
1,2,3-Trichloropropane	0.39	U	50.0	43.1		ug/L		86	70 - 132
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	44.9		ug/L		90	65 - 131
1,2,4-Trimethylbenzene	0.47	U	50.0	48.0		ug/L		96	80 - 124

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: 680-176987-1 MS

Matrix: Water

Analysis Batch: 597626

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
1,3,5-Trimethylbenzene	0.31	U	50.0	48.8		ug/L		98	80 - 120
Vinyl acetate	0.81	U	100	88.6		ug/L		89	15 - 190
Vinyl chloride	0.81	J	50.1	51.8		ug/L		102	68 - 132
Xylenes, Total	0.23	U	100	98.2		ug/L		98	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	96		80 - 122
1,2-Dichloroethane-d4 (Surr)	93		73 - 131
Toluene-d8 (Surr)	95		80 - 120

Lab Sample ID: 680-176987-1 MSD

Matrix: Water

Analysis Batch: 597626

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	22		250	188		ug/L		66	60 - 154	2	30
Acrylonitrile	10	U	500	420		ug/L		84	72 - 132	1	20
Benzene	0.81	J	50.0	50.0		ug/L		98	73 - 131	2	20
Bromobenzene	0.50	U	50.0	47.9		ug/L		96	79 - 124	0	20
Bromochloromethane	0.45	U	50.0	45.0		ug/L		90	77 - 122	1	20
Bromodichloromethane	0.44	U	50.0	46.8		ug/L		94	77 - 129	8	20
Bromoform	0.43	U	50.0	42.1		ug/L		84	69 - 135	2	20
Bromomethane	2.5	U F2	50.1	47.3	F2	ug/L		94	20 - 180	26	20
2-Butanone (MEK)	10		250	212		ug/L		81	75 - 133	1	20
Carbon disulfide	1.0	U	50.0	50.8		ug/L		102	73 - 127	2	20
Carbon tetrachloride	0.33	U	50.0	49.8		ug/L		100	75 - 130	1	20
Chlorobenzene	39	F1	50.0	116	F1	ug/L		155	80 - 120	0	20
Chloroethane	2.5	J	50.0	48.4		ug/L		97	50 - 151	4	20
Chloroform	0.50	U	50.0	48.7		ug/L		97	79 - 122	1	20
Chloromethane	0.40	U	50.0	42.4		ug/L		85	63 - 126	1	30
2-Chlorotoluene	0.27	U	50.0	48.1		ug/L		96	77 - 121	1	20
4-Chlorotoluene	0.45	U	50.0	46.5		ug/L		93	80 - 120	1	20
cis-1,2-Dichloroethene	0.52	J	50.0	50.5		ug/L		100	80 - 122	1	20
cis-1,3-Dichloropropene	0.40	U	50.0	43.4		ug/L		87	80 - 133	1	20
Dibromochloromethane	0.32	U	50.0	43.0		ug/L		86	71 - 136	2	20
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	44.4		ug/L		89	59 - 141	2	20
1,2-Dibromoethane	0.44	U	50.0	44.2		ug/L		88	77 - 131	1	20
Dibromomethane	0.35	U	50.0	44.9		ug/L		90	80 - 122	6	20
1,2-Dichlorobenzene	0.37	U	50.0	50.7		ug/L		101	80 - 120	3	20
1,3-Dichlorobenzene	0.43	U	50.0	50.0		ug/L		100	80 - 120	2	20
1,4-Dichlorobenzene	0.46	U	50.0	50.0		ug/L		100	80 - 120	3	20
Dichlorodifluoromethane	0.60	U	50.1	57.1		ug/L		114	51 - 140	7	40
1,1-Dichloroethane	0.38	U	50.0	47.7		ug/L		95	80 - 120	1	20
1,2-Dichloroethane	5.6		50.0	50.5		ug/L		90	75 - 130	0	50
1,1-Dichloroethene	0.36	U	50.0	50.8		ug/L		102	74 - 125	3	20
1,2-Dichloropropane	0.67	U	50.0	47.5		ug/L		95	80 - 123	9	20
1,3-Dichloropropane	0.34	U	50.0	42.8		ug/L		86	78 - 127	5	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: 680-176987-1 MSD

Matrix: Water

Analysis Batch: 597626

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
2,2-Dichloropropane	0.37	U	50.0	40.7		ug/L		81	72 - 133	0	20
1,1-Dichloropropene	0.34	U	50.0	50.1		ug/L		100	78 - 127	2	20
Ethylbenzene	0.33	U	50.0	50.3		ug/L		101	80 - 120	1	20
Hexachlorobutadiene	2.5	U	50.0	50.5		ug/L		101	77 - 129	6	20
2-Hexanone	2.0	U	250	192		ug/L		77	70 - 141	2	20
Iodomethane	5.0	U	50.0	45.8		ug/L		92	15 - 162	9	30
Isopropylbenzene	0.35	U	50.0	50.4		ug/L		101	80 - 120	0	20
Methylene Chloride	2.5	U	50.0	43.1		ug/L		86	76 - 129	1	20
4-Methyl-2-pentanone	2.1	U	250	213		ug/L		85	75 - 135	1	20
Methyl tert-butyl ether	0.30	U	50.0	43.2		ug/L		86	74 - 135	1	20
m-Xylene & p-Xylene	0.35	U	50.0	48.4		ug/L		97	80 - 120	1	20
Naphthalene	2.5	U	50.0	51.4		ug/L		103	69 - 148	3	20
n-Butylbenzene	0.47	U	50.0	52.7		ug/L		105	78 - 124	4	20
N-Propylbenzene	0.38	U	50.0	48.5		ug/L		97	80 - 120	2	20
o-Xylene	0.23	U	50.0	49.3		ug/L		99	80 - 120	0	30
p-Isopropyltoluene	0.48	U	50.0	51.7		ug/L		103	80 - 120	3	20
sec-Butylbenzene	0.42	U	50.0	48.5		ug/L		97	76 - 125	1	20
Styrene	0.27	U	50.0	47.5		ug/L		95	80 - 122	0	20
tert-Butylbenzene	0.45	U	50.0	48.3		ug/L		97	80 - 120	0	20
1,1,1,2-Tetrachloroethane	0.37	U	50.0	45.1		ug/L		90	80 - 120	2	20
1,1,2,2-Tetrachloroethane	0.62	U	50.0	44.0		ug/L		88	72 - 128	2	20
Tetrachloroethylene	0.74	U	50.0	48.1		ug/L		96	77 - 123	2	20
Toluene	3.0		50.0	47.9		ug/L		90	80 - 122	0	20
trans-1,4-Dichloro-2-butene	0.51	U	50.0	40.9		ug/L		82	55 - 147	7	30
trans-1,2-Dichloroethene	0.82	J	50.0	50.4		ug/L		99	78 - 123	0	20
trans-1,3-Dichloropropene	0.42	U	50.0	40.4		ug/L		81	74 - 140	4	30
1,2,3-Trichlorobenzene	2.5	U	50.0	49.1		ug/L		98	61 - 151	5	20
1,2,4-Trichlorobenzene	2.5	U	50.0	50.7		ug/L		101	77 - 131	5	20
1,1,1-Trichloroethane	0.37	U	50.0	49.4		ug/L		99	74 - 128	2	20
1,1,2-Trichloroethane	0.33	U	50.0	42.5		ug/L		85	79 - 125	5	20
Trichloroethene	0.48	U	50.0	49.3		ug/L		99	80 - 123	6	20
Trichlorofluoromethane	0.42	U	50.0	49.3		ug/L		99	58 - 145	3	20
1,2,3-Trichloropropane	0.39	U	50.0	42.0		ug/L		84	70 - 132	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	50.0	48.6		ug/L		97	65 - 131	8	20
1,2,4-Trimethylbenzene	0.47	U	50.0	47.9		ug/L		96	80 - 124	0	20
1,3,5-Trimethylbenzene	0.31	U	50.0	48.3		ug/L		97	80 - 120	1	20
Vinyl acetate	0.81	U	100	89.4		ug/L		89	15 - 190	1	20
Vinyl chloride	0.81	J	50.1	52.9		ug/L		104	68 - 132	2	20
Xylenes, Total	0.23	U	100	97.7		ug/L		98	80 - 120	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	96		80 - 122
1,2-Dichloroethane-d4 (Surr)	92		73 - 131
Toluene-d8 (Surr)	96		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: MB 680-597635/9

Matrix: Water

Analysis Batch: 597635

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			11/23/19 15:25	1
Acrylonitrile	10	U	20	10	ug/L			11/23/19 15:25	1
Benzene	0.43	U	1.0	0.43	ug/L			11/23/19 15:25	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			11/23/19 15:25	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/23/19 15:25	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/23/19 15:25	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/23/19 15:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/23/19 15:25	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/23/19 15:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/23/19 15:25	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/23/19 15:25	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/23/19 15:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/23/19 15:25	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/23/19 15:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/23/19 15:25	1
2-Chlorotoluene	0.27	U	1.0	0.27	ug/L			11/23/19 15:25	1
4-Chlorotoluene	0.45	U	1.0	0.45	ug/L			11/23/19 15:25	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/23/19 15:25	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/23/19 15:25	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/23/19 15:25	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/23/19 15:25	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/23/19 15:25	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/23/19 15:25	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/23/19 15:25	1
1,3-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			11/23/19 15:25	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/23/19 15:25	1
Dichlorodifluoromethane	0.60	U	1.0	0.60	ug/L			11/23/19 15:25	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/23/19 15:25	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/23/19 15:25	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/23/19 15:25	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/23/19 15:25	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/23/19 15:25	1
2,2-Dichloropropane	0.37	U	1.0	0.37	ug/L			11/23/19 15:25	1
1,1-Dichloropropene	0.34	U	1.0	0.34	ug/L			11/23/19 15:25	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/23/19 15:25	1
Hexachlorobutadiene	2.5	U	5.0	2.5	ug/L			11/23/19 15:25	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/23/19 15:25	1
Iodomethane	5.0	U	10	5.0	ug/L			11/23/19 15:25	1
Isopropylbenzene	0.35	U	1.0	0.35	ug/L			11/23/19 15:25	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/23/19 15:25	1
4-Methyl-2-pentanone	2.1	U	10	2.1	ug/L			11/23/19 15:25	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/23/19 15:25	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/23/19 15:25	1
Naphthalene	2.5	U	5.0	2.5	ug/L			11/23/19 15:25	1
n-Butylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 15:25	1
N-Propylbenzene	0.38	U	1.0	0.38	ug/L			11/23/19 15:25	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/23/19 15:25	1
p-Isopropyltoluene	0.48	U	1.0	0.48	ug/L			11/23/19 15:25	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: MB 680-597635/9

Matrix: Water

Analysis Batch: 597635

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			11/23/19 15:25	1
Styrene	0.27	U	1.0	0.27	ug/L			11/23/19 15:25	1
tert-Butylbenzene	0.45	U	1.0	0.45	ug/L			11/23/19 15:25	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 15:25	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/23/19 15:25	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/23/19 15:25	1
Toluene	0.48	U	1.0	0.48	ug/L			11/23/19 15:25	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/23/19 15:25	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/23/19 15:25	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/23/19 15:25	1
1,2,3-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 15:25	1
1,2,4-Trichlorobenzene	2.5	U	5.0	2.5	ug/L			11/23/19 15:25	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/23/19 15:25	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/23/19 15:25	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/23/19 15:25	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/23/19 15:25	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/23/19 15:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.36	U	1.0	0.36	ug/L			11/23/19 15:25	1
1,2,4-Trimethylbenzene	0.47	U	1.0	0.47	ug/L			11/23/19 15:25	1
1,3,5-Trimethylbenzene	0.31	U	1.0	0.31	ug/L			11/23/19 15:25	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/23/19 15:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/23/19 15:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/23/19 15:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		11/23/19 15:25	1
Dibromofluoromethane (Surr)	92		80 - 122		11/23/19 15:25	1
1,2-Dichloroethane-d4 (Surr)	87		73 - 131		11/23/19 15:25	1
Toluene-d8 (Surr)	95		80 - 120		11/23/19 15:25	1

Lab Sample ID: LCS 680-597635/4

Matrix: Water

Analysis Batch: 597635

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	70 - 135
Acrylonitrile	500	573		ug/L		115	80 - 123
Benzene	50.0	51.9		ug/L		104	80 - 120
Bromobenzene	50.0	49.5		ug/L		99	80 - 121
Bromochloromethane	50.0	50.7		ug/L		101	80 - 120
Bromodichloromethane	50.0	54.9		ug/L		110	80 - 120
Bromoform	50.0	51.7		ug/L		103	74 - 126
Bromomethane	50.1	47.4		ug/L		95	62 - 130
2-Butanone (MEK)	250	272		ug/L		109	80 - 131
Carbon disulfide	50.0	60.4	*	ug/L		121	80 - 120
Carbon tetrachloride	50.0	51.9		ug/L		104	76 - 123
Chlorobenzene	50.0	51.4		ug/L		103	80 - 120
Chloroethane	50.0	53.2		ug/L		106	66 - 135

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597635/4

Matrix: Water

Analysis Batch: 597635

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	51.8		ug/L		104	80 - 120
Chloromethane	50.0	52.8		ug/L		106	69 - 131
2-Chlorotoluene	50.0	50.4		ug/L		101	80 - 120
4-Chlorotoluene	50.0	50.7		ug/L		101	80 - 120
cis-1,2-Dichloroethene	50.0	52.2		ug/L		104	80 - 120
cis-1,3-Dichloropropene	50.0	58.1		ug/L		116	80 - 120
Dibromochloromethane	50.0	53.7		ug/L		107	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	61.8		ug/L		124	71 - 134
1,2-Dibromoethane	50.0	53.9		ug/L		108	80 - 120
Dibromomethane	50.0	54.3		ug/L		109	80 - 120
1,2-Dichlorobenzene	50.0	52.4		ug/L		105	80 - 120
1,3-Dichlorobenzene	50.0	51.4		ug/L		103	80 - 120
1,4-Dichlorobenzene	50.0	51.3		ug/L		103	80 - 120
Dichlorodifluoromethane	50.1	56.4		ug/L		113	47 - 155
1,1-Dichloroethane	50.0	57.1		ug/L		114	80 - 120
1,2-Dichloroethane	50.0	47.1		ug/L		94	80 - 120
1,1-Dichloroethene	50.0	60.3 *		ug/L		121	76 - 120
1,2-Dichloropropane	50.0	58.9		ug/L		118	80 - 120
1,3-Dichloropropane	50.0	50.5		ug/L		101	80 - 120
2,2-Dichloropropane	50.0	53.3		ug/L		107	76 - 126
1,1-Dichloropropene	50.0	51.9		ug/L		104	80 - 120
Ethylbenzene	50.0	53.6		ug/L		107	80 - 120
Hexachlorobutadiene	50.0	57.2		ug/L		114	60 - 140
2-Hexanone	250	281		ug/L		112	74 - 127
Iodomethane	50.0	45.8		ug/L		92	52 - 142
Isopropylbenzene	50.0	50.2		ug/L		100	80 - 120
Methylene Chloride	50.0	54.5		ug/L		109	80 - 120
4-Methyl-2-pentanone	250	297		ug/L		119	76 - 124
Methyl tert-butyl ether	50.0	54.5		ug/L		109	80 - 120
m-Xylene & p-Xylene	50.0	53.1		ug/L		106	80 - 120
Naphthalene	50.0	57.8		ug/L		116	59 - 140
n-Butylbenzene	50.0	57.3		ug/L		115	80 - 120
N-Propylbenzene	50.0	52.0		ug/L		104	80 - 120
o-Xylene	50.0	47.7		ug/L		95	80 - 120
p-Isopropyltoluene	50.0	53.8		ug/L		108	80 - 120
sec-Butylbenzene	50.0	55.1		ug/L		110	80 - 120
Styrene	50.0	48.4		ug/L		97	80 - 120
tert-Butylbenzene	50.0	53.2		ug/L		106	80 - 121
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/L		105	80 - 121
1,1,2,2-Tetrachloroethane	50.0	50.8		ug/L		102	80 - 120
Tetrachloroethylene	50.0	54.4		ug/L		109	80 - 121
Toluene	50.0	53.1		ug/L		106	80 - 113
trans-1,4-Dichloro-2-butene	50.0	53.8		ug/L		108	68 - 125
trans-1,2-Dichloroethene	50.0	56.2		ug/L		112	80 - 120
trans-1,3-Dichloropropene	50.0	53.5		ug/L		107	80 - 120
1,2,3-Trichlorobenzene	50.0	51.1		ug/L		102	61 - 141
1,2,4-Trichlorobenzene	50.0	55.2		ug/L		110	68 - 128
1,1,1-Trichloroethane	50.0	51.7		ug/L		103	80 - 120
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCS 680-597635/4

Matrix: Water

Analysis Batch: 597635

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	53.1		ug/L		106	80 - 120
Trichlorofluoromethane	50.0	53.8		ug/L		108	60 - 141
1,2,3-Trichloropropane	50.0	48.7		ug/L		97	80 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	61.6		ug/L		123	79 - 124
1,2,4-Trimethylbenzene	50.0	52.9		ug/L		106	80 - 120
1,3,5-Trimethylbenzene	50.0	52.1		ug/L		104	80 - 120
Vinyl acetate	100	129		ug/L		129	67 - 135
Vinyl chloride	50.1	55.6		ug/L		111	71 - 128
Xylenes, Total	100	101		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	102		80 - 122
1,2-Dichloroethane-d4 (Surr)	93		73 - 131
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 680-597635/5

Matrix: Water

Analysis Batch: 597635

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	309		ug/L		124	70 - 135	4	30
Acrylonitrile	500	618	*	ug/L		124	80 - 123	8	20
Benzene	50.0	49.9		ug/L		100	80 - 120	4	20
Bromobenzene	50.0	47.2		ug/L		94	80 - 121	5	20
Bromochloromethane	50.0	52.3		ug/L		105	80 - 120	3	20
Bromodichloromethane	50.0	51.6		ug/L		103	80 - 120	6	20
Bromoform	50.0	51.3		ug/L		103	74 - 126	1	20
Bromomethane	50.1	48.7		ug/L		97	62 - 130	3	20
2-Butanone (MEK)	250	280		ug/L		112	80 - 131	3	20
Carbon disulfide	50.0	60.7	*	ug/L		121	80 - 120	0	20
Carbon tetrachloride	50.0	53.1		ug/L		106	76 - 123	2	20
Chlorobenzene	50.0	49.9		ug/L		100	80 - 120	3	20
Chloroethane	50.0	52.3		ug/L		104	66 - 135	2	20
Chloroform	50.0	51.5		ug/L		103	80 - 120	1	20
Chloromethane	50.0	53.1		ug/L		106	69 - 131	1	30
2-Chlorotoluene	50.0	46.6		ug/L		93	80 - 120	8	20
4-Chlorotoluene	50.0	49.1		ug/L		98	80 - 120	3	20
cis-1,2-Dichloroethene	50.0	53.8		ug/L		108	80 - 120	3	20
cis-1,3-Dichloropropene	50.0	52.7		ug/L		105	80 - 120	10	20
Dibromochloromethane	50.0	55.7		ug/L		111	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	59.7		ug/L		119	71 - 134	3	20
1,2-Dibromoethane	50.0	57.4		ug/L		115	80 - 120	6	20
Dibromomethane	50.0	52.8		ug/L		106	80 - 120	3	20
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120	2	20
1,3-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120	2	20
1,4-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120	0	20
Dichlorodifluoromethane	50.1	57.0		ug/L		114	47 - 155	1	40

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597635/5

Matrix: Water

Analysis Batch: 597635

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	57.6		ug/L		115	80 - 120	1	20
1,2-Dichloroethane	50.0	45.6		ug/L		91	80 - 120	3	50
1,1-Dichloroethene	50.0	60.3	*	ug/L		121	76 - 120	0	20
1,2-Dichloropropane	50.0	55.4		ug/L		111	80 - 120	6	20
1,3-Dichloropropane	50.0	54.2		ug/L		108	80 - 120	7	20
2,2-Dichloropropane	50.0	53.1		ug/L		106	76 - 126	0	20
1,1-Dichloropropene	50.0	54.9		ug/L		110	80 - 120	6	20
Ethylbenzene	50.0	51.5		ug/L		103	80 - 120	4	20
Hexachlorobutadiene	50.0	57.1		ug/L		114	60 - 140	0	20
2-Hexanone	250	305		ug/L		122	74 - 127	8	20
Iodomethane	50.0	45.8		ug/L		92	52 - 142	0	30
Isopropylbenzene	50.0	49.0		ug/L		98	80 - 120	2	20
Methylene Chloride	50.0	54.8		ug/L		110	80 - 120	1	20
4-Methyl-2-pentanone	250	275		ug/L		110	76 - 124	8	20
Methyl tert-butyl ether	50.0	57.0		ug/L		114	80 - 120	4	20
m-Xylene & p-Xylene	50.0	51.5		ug/L		103	80 - 120	3	20
Naphthalene	50.0	60.8		ug/L		122	59 - 140	5	20
n-Butylbenzene	50.0	56.1		ug/L		112	80 - 120	2	20
N-Propylbenzene	50.0	50.6		ug/L		101	80 - 120	3	20
o-Xylene	50.0	50.1		ug/L		100	80 - 120	5	30
p-Isopropyltoluene	50.0	55.1		ug/L		110	80 - 120	2	20
sec-Butylbenzene	50.0	52.8		ug/L		106	80 - 120	4	20
Styrene	50.0	50.9		ug/L		102	80 - 120	5	20
tert-Butylbenzene	50.0	50.7		ug/L		101	80 - 121	5	20
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	80 - 121	5	20
1,1,2,2-Tetrachloroethane	50.0	50.0		ug/L		100	80 - 120	2	20
Tetrachloroethylene	50.0	53.8		ug/L		108	80 - 121	1	20
Toluene	50.0	51.6		ug/L		103	80 - 113	3	20
trans-1,4-Dichloro-2-butene	50.0	51.2		ug/L		102	68 - 125	5	30
trans-1,2-Dichloroethene	50.0	57.2		ug/L		114	80 - 120	2	20
trans-1,3-Dichloropropene	50.0	53.4		ug/L		107	80 - 120	0	30
1,2,3-Trichlorobenzene	50.0	56.4		ug/L		113	61 - 141	10	20
1,2,4-Trichlorobenzene	50.0	54.1		ug/L		108	68 - 128	2	20
1,1,1-Trichloroethane	50.0	52.0		ug/L		104	80 - 120	1	20
1,1,2-Trichloroethane	50.0	54.2		ug/L		108	80 - 120	3	20
Trichloroethene	50.0	53.9		ug/L		108	80 - 120	1	20
Trichlorofluoromethane	50.0	53.9		ug/L		108	60 - 141	0	20
1,2,3-Trichloropropane	50.0	48.0		ug/L		96	80 - 123	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	61.8		ug/L		124	79 - 124	0	20
1,2,4-Trimethylbenzene	50.0	50.4		ug/L		101	80 - 120	5	20
1,3,5-Trimethylbenzene	50.0	49.9		ug/L		100	80 - 120	4	20
Vinyl acetate	100	131		ug/L		131	67 - 135	1	20
Vinyl chloride	50.1	56.6		ug/L		113	71 - 128	2	20
Xylenes, Total	100	102		ug/L		102	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: LCSD 680-597635/5

Matrix: Water

Analysis Batch: 597635

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	104		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Toluene-d8 (Surr)	100		80 - 120

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-597746/7

Matrix: Water

Analysis Batch: 597746

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			11/25/19 07:20	1
Ethylene	0.50	U	1.0	0.50	ug/L			11/25/19 07:20	1
Methane	0.29	U	0.58	0.29	ug/L			11/25/19 07:20	1
Methane (TCD)	39	U	390	39	ug/L			11/25/19 07:20	1

Lab Sample ID: LCS 680-597746/2

Matrix: Water

Analysis Batch: 597746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	266		ug/L		92	75 - 125
Ethylene	269	250		ug/L		93	75 - 125
Methane	154	148		ug/L		97	75 - 125

Lab Sample ID: LCS 680-597746/5

Matrix: Water

Analysis Batch: 597746

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	2310		ug/L		120	75 - 125

Lab Sample ID: LCSD 680-597746/3

Matrix: Water

Analysis Batch: 597746

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	2	30
Ethylene	269	246		ug/L		91	75 - 125	2	30
Methane	154	146		ug/L		95	75 - 125	1	30

Lab Sample ID: LCSD 680-597746/6

Matrix: Water

Analysis Batch: 597746

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	2050		ug/L		107	75 - 125	12	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-176987-1

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

Lab Sample ID: 680-176987-1 MS

Matrix: Water

Analysis Batch: 597746

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	25		288	310		ug/L		99	75 - 125
Ethylene	180		269	444		ug/L		97	75 - 125

Lab Sample ID: 680-176987-1 MSD

Matrix: Water

Analysis Batch: 597746

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	25		288	332		ug/L		106	75 - 125	7	30
Ethylene	180		269	442		ug/L		97	75 - 125	0	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-597779/3

Matrix: Water

Analysis Batch: 597779

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			11/22/19 10:44	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/22/19 10:44	1

Lab Sample ID: LCS 680-597779/4

Matrix: Water

Analysis Batch: 597779

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	20.0		mg/L		100	80 - 120
Total Organic Carbon - Quad	20.0	20.0		mg/L		100	80 - 120
TOC Result 1	20.0	20.0		mg/L		100	80 - 120
TOC Result 2	20.0	19.9		mg/L		99	80 - 120
TOC Result 3	20.0	20.0		mg/L		100	80 - 120
TOC Result 4	20.0	20.0		mg/L		100	80 - 120

Lab Sample ID: LCSD 680-597779/5

Matrix: Water

Analysis Batch: 597779

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	20.0		mg/L		100	80 - 120	0	25
Total Organic Carbon - Quad	20.0	20.0		mg/L		100	80 - 120	0	25
TOC Result 1	20.0	19.9		mg/L		99	80 - 120	1	25
TOC Result 2	20.0	19.8		mg/L		99	80 - 120	1	25
TOC Result 3	20.0	20.1		mg/L		100	80 - 120	1	25
TOC Result 4	20.0	20.2		mg/L		101	80 - 120	1	25

QC Sample Results

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

Job ID: 680-176987-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: MB 680-598150/2

Matrix: Water

Analysis Batch: 598150

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			11/26/19 07:37	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/26/19 07:37	1

Lab Sample ID: LCS 680-598150/3

Matrix: Water

Analysis Batch: 598150

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	20.2		mg/L		101	80 - 120
Total Organic Carbon - Quad	20.0	20.2		mg/L		101	80 - 120
TOC Result 1	20.0	20.4		mg/L		102	80 - 120
TOC Result 2	20.0	20.2		mg/L		101	80 - 120
TOC Result 3	20.0	20.2		mg/L		101	80 - 120
TOC Result 4	20.0	20.1		mg/L		101	80 - 120

Lab Sample ID: LCSD 680-598150/4

Matrix: Water

Analysis Batch: 598150

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	20.2		mg/L		101	80 - 120	0	25
Total Organic Carbon - Quad	20.0	20.2		mg/L		101	80 - 120	0	25
TOC Result 1	20.0	20.0		mg/L		100	80 - 120	2	25
TOC Result 2	20.0	20.2		mg/L		101	80 - 120	0	25
TOC Result 3	20.0	20.3		mg/L		101	80 - 120	0	25
TOC Result 4	20.0	20.2		mg/L		101	80 - 120	0	25

Lab Sample ID: 680-176987-1 MS

Matrix: Water

Analysis Batch: 598150

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	27	F1	20.0	54.0	F1	mg/L		134	80 - 120
Total Organic Carbon - Quad	27	F1	20.0	54.0	F1	mg/L		134	80 - 120
TOC Result 1	27	F1	20.0	55.0	F1	mg/L		138	80 - 120
TOC Result 2	27	F1	20.0	53.8	F1	mg/L		134	80 - 120
TOC Result 3	27	F1	20.0	53.8	F1	mg/L		132	80 - 120
TOC Result 4	27	F1	20.0	53.6	F1	mg/L		133	80 - 120

Lab Sample ID: 680-176987-1 MSD

Matrix: Water

Analysis Batch: 598150

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	Limit
Total Organic Carbon	27	F1	20.0	53.1	F1	mg/L		130	80 - 120	2	25
Total Organic Carbon - Quad	27	F1	20.0	53.1	F1	mg/L		130	80 - 120	2	25
TOC Result 1	27	F1	20.0	53.9	F1	mg/L		133	80 - 120	2	25
TOC Result 2	27	F1	20.0	52.4	F1	mg/L		127	80 - 120	3	25
TOC Result 3	27	F1	20.0	53.3	F1	mg/L		130	80 - 120	1	25

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QC Sample Results

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

Job ID: 680-176987-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 680-176987-1 MSD

Matrix: Water

Analysis Batch: 598150

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
TOC Result 4	27	F1	20.0	52.6	F1	mg/L	—	129	80 - 120	2	25

QC Association Summary

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

Job ID: 680-176987-1

GC/MS VOA

Analysis Batch: 597216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-7	OLF-G74 Port 1	Total/NA	Water	8260B	
680-176987-8	OLF-G74 Port 2	Total/NA	Water	8260B	
MB 680-597216/11	Method Blank	Total/NA	Water	8260B	
LCS 680-597216/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-597216/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 597434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-9	OLF-G74 Port 3	Total/NA	Water	8260B	
680-176987-10	OLF-G74 Port 4	Total/NA	Water	8260B	
MB 680-597434/9	Method Blank	Total/NA	Water	8260B	
LCS 680-597434/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-597434/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 597481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-11	OLF-G74 Port 5	Total/NA	Water	8260B	
680-176987-12	TB544	Total/NA	Water	8260B	
680-176987-13	DUP337	Total/NA	Water	8260B	
MB 680-597481/9	Method Blank	Total/NA	Water	8260B	
LCS 680-597481/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-597481/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 597626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-1	OLF-G72 Port 1	Total/NA	Water	8260B	
680-176987-2	OLF-G72 Port 2	Total/NA	Water	8260B	
MB 680-597626/9	Method Blank	Total/NA	Water	8260B	
LCS 680-597626/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-597626/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-176987-1 MS	OLF-G72 Port 1	Total/NA	Water	8260B	
680-176987-1 MSD	OLF-G72 Port 1	Total/NA	Water	8260B	

Analysis Batch: 597635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-3	OLF-G72 Port 3	Total/NA	Water	8260B	
680-176987-4	OLF-G72 Port 4	Total/NA	Water	8260B	
680-176987-5	OLF-G72 Port 5	Total/NA	Water	8260B	
680-176987-6	OLF-G72 Port 6	Total/NA	Water	8260B	
MB 680-597635/9	Method Blank	Total/NA	Water	8260B	
LCS 680-597635/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-597635/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 597746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-1	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-176987-2	OLF-G72 Port 2	Total/NA	Water	RSK-175	
680-176987-3	OLF-G72 Port 3	Total/NA	Water	RSK-175	
680-176987-4	OLF-G72 Port 4	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: 680-176987-1

GC VOA (Continued)

Analysis Batch: 597746 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-5	OLF-G72 Port 5	Total/NA	Water	RSK-175	
680-176987-6	OLF-G72 Port 6	Total/NA	Water	RSK-175	
MB 680-597746/7	Method Blank	Total/NA	Water	RSK-175	
LCS 680-597746/2	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-597746/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-597746/3	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-597746/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-176987-1 MS	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-176987-1 MSD	OLF-G72 Port 1	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 597779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-2	OLF-G72 Port 2	Total/NA	Water	9060A	
680-176987-3	OLF-G72 Port 3	Total/NA	Water	9060A	
680-176987-4	OLF-G72 Port 4	Total/NA	Water	9060A	
680-176987-5	OLF-G72 Port 5	Total/NA	Water	9060A	
680-176987-6	OLF-G72 Port 6	Total/NA	Water	9060A	
680-176987-7	OLF-G74 Port 1	Total/NA	Water	9060A	
680-176987-8	OLF-G74 Port 2	Total/NA	Water	9060A	
680-176987-9	OLF-G74 Port 3	Total/NA	Water	9060A	
680-176987-10	OLF-G74 Port 4	Total/NA	Water	9060A	
680-176987-11	OLF-G74 Port 5	Total/NA	Water	9060A	
680-176987-13	DUP337	Total/NA	Water	9060A	
MB 680-597779/3	Method Blank	Total/NA	Water	9060A	
LCS 680-597779/4	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-597779/5	Lab Control Sample Dup	Total/NA	Water	9060A	

Analysis Batch: 598150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-176987-1	OLF-G72 Port 1	Total/NA	Water	9060A	
MB 680-598150/2	Method Blank	Total/NA	Water	9060A	
LCS 680-598150/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-598150/4	Lab Control Sample Dup	Total/NA	Water	9060A	
680-176987-1 MS	OLF-G72 Port 1	Total/NA	Water	9060A	
680-176987-1 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: 680-176987-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-176987-1

Date Collected: 11/12/19 14:20

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 23:12	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 08:50	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	598150	11/26/19 08:26	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-176987-2

Date Collected: 11/12/19 15:05

Matrix: Water

Date Received: 11/15/19 09:40

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	597626	11/23/19 21:59	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 07:45	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 12:37	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-176987-3

Date Collected: 11/12/19 15:35

Matrix: Water

Date Received: 11/15/19 09:40

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	597635	11/23/19 16:36	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 07:58	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 13:38	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-176987-4

Date Collected: 11/12/19 16:00

Matrix: Water

Date Received: 11/15/19 09:40

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	597635	11/23/19 16:59	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 08:11	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 13:54	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: 680-176987-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-176987-5

Date Collected: 11/12/19 16:20

Matrix: Water

Date Received: 11/15/19 09:40

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	597635	11/23/19 17:22	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 08:24	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 14:13	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-176987-6

Date Collected: 11/12/19 16:35

Matrix: Water

Date Received: 11/15/19 09:40

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	597635	11/23/19 17:46	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	597746	11/25/19 08:37	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 14:30	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-176987-7

Date Collected: 11/11/19 10:55

Matrix: Water

Date Received: 11/15/19 09:40

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	597216	11/21/19 20:36	P1C	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 14:47	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-176987-8

Date Collected: 11/11/19 11:15

Matrix: Water

Date Received: 11/15/19 09:40

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	597216	11/21/19 21:01	P1C	TAL SAV
		Instrument ID: CMSO2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 15:05	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-176987-9

Date Collected: 11/11/19 11:30

Matrix: Water

Date Received: 11/15/19 09:40

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	597434	11/22/19 20:15	Y1S	TAL SAV
		Instrument ID: CMSC								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-176987-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-176987-9

Date Collected: 11/11/19 11:30

Matrix: Water

Date Received: 11/15/19 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 15:55	RKJ	TAL SAV

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-176987-10

Date Collected: 11/11/19 11:50

Matrix: Water

Date Received: 11/15/19 09:40

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	597434	11/22/19 20:38	Y1S	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 16:14	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-176987-11

Date Collected: 11/11/19 12:10

Matrix: Water

Date Received: 11/15/19 09:40

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	597481	11/22/19 23:23	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 16:32	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: TB544

Lab Sample ID: 680-176987-12

Date Collected: 11/11/19 09:10

Matrix: Water

Date Received: 11/15/19 09:40

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	597481	11/22/19 16:29	P1C	TAL SAV
		Instrument ID: CMSAA								

Client Sample ID: DUP337

Lab Sample ID: 680-176987-13

Date Collected: 11/11/19 00:00

Matrix: Water

Date Received: 11/15/19 09:40

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	597481	11/22/19 23:47	P1C	TAL SAV
		Instrument ID: CMSAA								
Total/NA	Analysis	9060A		1	40 mL	40 mL	597779	11/22/19 16:49	RKJ	TAL SAV
		Instrument ID: TOC7								

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: 680-176987-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

Method Summary

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

Job ID: 680-176987-1

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 # 19.094.20-05.2.500
 Lab contract:

Cooler ID 5925 Page 1 of 1 Cooler 2 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-G72 Port 1	NS	MW	Water	Grab	X	11/12/2019	14:20	X	X	X	X
OLF-G72 Port 2	NS	MW	Water	Grab		11/12/2019	15:05	X	X	X	
OLF-G72 Port 3	NS	MW	Water	Grab		11/12/2019	15:35	X	X	X	
OLF-G72 Port 4	NS	MW	Water	Grab		11/12/2019	16:00	X	X	X	
OLF-G72 Port 5	NS	MW	Water	Grab		11/12/2019	16:20	X	X	X	
OLF-G72 Port 6	NS	MW	Water	Grab		11/12/2019	16:35	X	X	X	
OLF-G74 Port 1	NS	MW	Water	Grab		11/11/2019	10:55	X	X	X	
OLF-G74 Port 2	NS	MW	Water	Grab		11/11/2019	11:15	X	X	X	
OLF-G74 Port 3	NS	MW	Water	Grab		11/11/2019	11:30	X	X	X	
OLF-G74 Port 4	NS	MW	Water	Grab		11/11/2019	11:50	X	X	X	
OLF-G74 Port 5	NS	MW	Water	Grab		11/11/2019	12:10	X	X	X	
TB544	TB	TB	Water	Grab		11/14/2019	9:10				X
DUP337	FD	FD	Water	Grab		11/11/2019	N/A	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): Date/Time: 11-14-19 1600
 Relinquished by (Signature): Date/Time:

Double the number of bottles for MS/MSD
 Received by (Signature):
 Received by (Signature):
 34/35 0.810.91

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-176987-1

Login Number: 176987

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Weston, Pamela

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: 680-177221-1
Client Project/Site: Parcel 80(6), Landfill 3

For:
Matrix Environmental Services, LLC
1601 Blake Street
Suite 200
Denver, Colorado 80202

Attn: Ms. Betty Van Pelt



Authorized for release by:
12/12/2019 4:04:10 PM

Jon Lawhon, Project Manager I
(912)250-0283
jon.lawhon@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 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: 680-177221-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

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.
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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Sample Summary

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

Job ID: 680-177221-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-177221-1	DUP338	Water	11/20/19 00:00	11/21/19 09:20	
680-177221-2	OLF-G77	Water	11/20/19 13:01	11/21/19 09:20	
680-177221-3	OLF-G48	Water	11/18/19 15:20	11/21/19 09:20	
680-177221-4	OLF-G21	Water	11/19/19 10:06	11/21/19 09:20	
680-177221-5	DUP336	Water	11/19/19 00:00	11/21/19 09:20	
680-177221-6	OLF-G12	Water	11/19/19 15:06	11/21/19 09:20	
680-177221-7	OLF-G23	Water	11/18/19 12:51	11/21/19 09:20	
680-177221-8	OLF-G26	Water	11/20/19 09:31	11/21/19 09:20	
680-177221-9	OLF-G70	Water	11/18/19 10:45	11/21/19 09:20	
680-177221-10	DUP334	Water	11/18/19 00:00	11/21/19 09:20	
680-177221-11	OLF-G47	Water	11/18/19 13:20	11/21/19 09:20	
680-177221-12	OLF-G78	Water	11/20/19 11:31	11/21/19 09:20	
680-177221-13	OLF-G24	Water	11/18/19 13:51	11/21/19 09:20	
680-177221-14	OLF-G43	Water	11/19/19 15:35	11/21/19 09:20	
680-177221-15	OLF-G35	Water	11/19/19 09:25	11/21/19 09:20	
680-177221-16	OLF-G22	Water	11/19/19 12:40	11/21/19 09:20	
680-177221-17	OLF-G36	Water	11/19/19 11:10	11/21/19 09:20	
680-177221-18	OLF-G20	Water	11/20/19 09:55	11/21/19 09:20	
680-177221-19	OLF-G19	Water	11/19/19 11:46	11/21/19 09:20	
680-177221-20	OLF-G18	Water	11/19/19 09:01	11/21/19 09:20	
680-177221-21	OLF-G42	Water	11/20/19 13:15	11/21/19 09:20	
680-177221-22	OLF-G07	Water	11/20/19 11:30	11/21/19 09:20	
680-177221-23	TB545	Water	11/20/19 14:30	11/21/19 09:20	
680-177221-24	MB102	Water	11/20/19 15:00	11/21/19 09:20	
680-177221-25	EB132	Water	11/20/19 15:10	11/21/19 09:20	

Case Narrative

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

Job ID: 680-177221-1

Job ID: 680-177221-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE

Client: Matrix Environmental Services, LLC

Project: Parcel 80(6), Landfill 3

Report Number: 680-177221-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 11/21/2019 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples DUP338 (680-177221-1), OLF-G77 (680-177221-2), OLF-G48 (680-177221-3), OLF-G21 (680-177221-4), DUP336 (680-177221-5), OLF-G12 (680-177221-6), OLF-G23 (680-177221-7), OLF-G26 (680-177221-8), OLF-G70 (680-177221-9), DUP334 (680-177221-10), OLF-G47 (680-177221-11), OLF-G78 (680-177221-12), OLF-G24 (680-177221-13), OLF-G43 (680-177221-14), OLF-G35 (680-177221-15), OLF-G22 (680-177221-16), OLF-G36 (680-177221-17), OLF-G20 (680-177221-18), OLF-G19 (680-177221-19), OLF-G18 (680-177221-20), OLF-G42 (680-177221-21), OLF-G07 (680-177221-22), TB545 (680-177221-23), MB102 (680-177221-24) and EB132 (680-177221-25) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/27/2019, 11/28/2019, 11/29/2019, 12/02/2019, 12/03/2019, 12/04/2019 and 12/07/2019.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-598235.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-598304.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-598428 recovered outside control limits for the following analytes: Bromomethane. 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 680-598428.

Method 8260B: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-598444 recovered outside control limits for the following analyte(s): Bromomethane. Bromomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260B: The MS and MSD both failed surrogates serving as confirmation data: (680-177070-D-11 MS) and (680-177070-D-11 MSD)

Method 8260B: The continuing calibration verification (CCV) analyzed in batch 680-598603 was outside the method criteria for the following analyte(s): Bromomethane. This analyte has been identified as a poor performing analyte when using this method. As indicated

Case Narrative

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

Job ID: 680-177221-1

Job ID: 680-177221-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 680-598603 recovered outside control limits for the following analyte(s): Bromomethane and 4-Methyl-2-pentanone (MIBK). 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 following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 680-598603: Dichlorobromomethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-598603 recovered outside control limits for the following analyte(s): 2-Hexanone, Acrylonitrile, Bromomethane and Methyl tert-butyl ether. 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 method blank for analytical batch 680-598603 contained Bromomethane above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL).

Method 8260B: Surrogate recovery was outside acceptance limits for the following the parent sample: (680-177291-A-1). The MS/MSD sample's surrogate recovery was within limits. The parent sample has been qualified and reported.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 680-598603 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260B: The matrix spike (MS) recoveries for analytical batch 680-598603 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 matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 680-598603 exceeded control limits for the following analyte(s): 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and Bromomethane, Note that this analyte is a known poor performer when analyzed using this method.

Method 8260B: Surrogate recovery for the following sample was marginally outside control limits: DUP334 (680-177221-10). Evidence of matrix interferences is not obvious. There was insufficient time to rerun the samples in hold time.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-598846.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: OLF-G77 (680-177221-2). 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 680-599542.

Method 8260B: Internal standard (ISTD) response for the method blank was outside of acceptance limits: (MB 680-599542/9). The sample(s) were within limits, sample(s) was not re-analyzed due to insufficient holding time remaining.

Method 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP338 (680-177221-1). Elevated reporting limits (RLs) are provided.

Method 8260B: Reanalysis of the following sample was performed outside of the analytical holding time due to dilution : DUP338 (680-177221-1).

Method 8260B: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-599813 recovered outside control limits for the following analyte(s): 2-Hexanone and 4-Methyl-2-pentanone (MIBK). 2-Hexanone and

Case Narrative

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

Job ID: 680-177221-1

Job ID: 680-177221-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

4-Methyl-2-pentanone (MIBK) 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 matrix spike (MS) recoveries for analytical batch 680-599813 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.

1,2-Dichloroethane-d4 (Surr) failed the surrogate recovery criteria low for OLF-G23 (680-177221-7).

1,2-Dichloroethane, 2-Butanone (MEK), 2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria low for the MS of sample 680-177070-11 in batch 680-598444.

Several analytes failed the recovery criteria low for the MSD of sample 680-177070-11 in batch 680-598444.
1,2-Dibromo-3-Chloropropane and Tetrachloroethylene exceeded the RPD limit.

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

DISSOLVED GASES

Samples DUP338 (680-177221-1), OLF-G77 (680-177221-2), MB102 (680-177221-24) and EB132 (680-177221-25) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 12/01/2019 and 12/02/2019.

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

TOTAL ORGANIC CARBON

Samples DUP338 (680-177221-1), OLF-G77 (680-177221-2), MB102 (680-177221-24) and EB132 (680-177221-25) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 11/26/2019.

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

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: DUP338

Lab Sample ID: 680-177221-1

Date Collected: 11/20/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 17:23	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 17:23	1
Benzene	0.43	U	1.0	0.43	ug/L			12/04/19 17:23	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 17:23	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 17:23	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 17:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 17:23	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 17:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 17:23	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 17:23	1
Chlorobenzene	12		1.0	0.26	ug/L			12/04/19 17:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 17:23	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 17:23	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 17:23	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 17:23	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 17:23	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 17:23	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 17:23	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 17:23	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 17:23	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 17:23	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 17:23	1
1,2-Dichloroethane	0.55 J		1.0	0.50	ug/L			12/04/19 17:23	1
1,1-Dichloroethene	0.62 J		1.0	0.36	ug/L			12/04/19 17:23	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 17:23	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 17:23	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 17:23	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 17:23	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 17:23	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 17:23	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 17:23	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 17:23	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 17:23	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 17:23	1
Tetrachloroethylene	6.2		1.0	0.74	ug/L			12/04/19 17:23	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 17:23	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 17:23	1
trans-1,2-Dichloroethene	140		1.0	0.37	ug/L			12/04/19 17:23	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 17:23	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 17:23	1
1,1,2-Trichloroethane	21		1.0	0.33	ug/L			12/04/19 17:23	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 17:23	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 17:23	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 17:23	1
Vinyl chloride	8.2		1.0	0.50	ug/L			12/04/19 17:23	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 17:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		12/04/19 17:23	1
Dibromofluoromethane (Surr)	108		80 - 122		12/04/19 17:23	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: DUP338

Lab Sample ID: 680-177221-1

Date Collected: 11/20/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		12/04/19 17:23	1
Toluene-d8 (Surr)	100		80 - 120		12/04/19 17:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	70	U H	100	70	ug/L			12/07/19 20:51	10
Acrylonitrile	100	U H	200	100	ug/L			12/07/19 20:51	10
Benzene	4.3	U H	10	4.3	ug/L			12/07/19 20:51	10
Bromochloromethane	4.5	U H	10	4.5	ug/L			12/07/19 20:51	10
Bromodichloromethane	4.4	U H	10	4.4	ug/L			12/07/19 20:51	10
Bromoform	4.3	U H	10	4.3	ug/L			12/07/19 20:51	10
Bromomethane	25	U H	50	25	ug/L			12/07/19 20:51	10
2-Butanone (MEK)	34	U H	100	34	ug/L			12/07/19 20:51	10
Carbon disulfide	10	U H	20	10	ug/L			12/07/19 20:51	10
Carbon tetrachloride	3.3	U H	10	3.3	ug/L			12/07/19 20:51	10
Chlorobenzene	10	H	10	2.6	ug/L			12/07/19 20:51	10
Chloroethane	25	U H	50	25	ug/L			12/07/19 20:51	10
Chloroform	5.0	U H	10	5.0	ug/L			12/07/19 20:51	10
Chloromethane	4.0	U H	10	4.0	ug/L			12/07/19 20:51	10
cis-1,2-Dichloroethene	190	H	10	4.1	ug/L			12/07/19 20:51	10
cis-1,3-Dichloropropene	4.0	U H	10	4.0	ug/L			12/07/19 20:51	10
Dibromochloromethane	3.2	U H	10	3.2	ug/L			12/07/19 20:51	10
1,2-Dibromo-3-Chloropropane	11	U H	50	11	ug/L			12/07/19 20:51	10
1,2-Dibromoethane	4.4	U H	10	4.4	ug/L			12/07/19 20:51	10
Dibromomethane	3.5	U H	10	3.5	ug/L			12/07/19 20:51	10
1,2-Dichlorobenzene	3.7	U H	10	3.7	ug/L			12/07/19 20:51	10
1,4-Dichlorobenzene	4.6	U H	10	4.6	ug/L			12/07/19 20:51	10
1,1-Dichloroethane	3.8	U H	10	3.8	ug/L			12/07/19 20:51	10
1,2-Dichloroethane	5.0	U H	10	5.0	ug/L			12/07/19 20:51	10
1,1-Dichloroethene	3.6	U H	10	3.6	ug/L			12/07/19 20:51	10
1,2-Dichloropropane	6.7	U H	10	6.7	ug/L			12/07/19 20:51	10
1,3-Dichloropropane	3.4	U H	10	3.4	ug/L			12/07/19 20:51	10
Ethylbenzene	3.3	U H	10	3.3	ug/L			12/07/19 20:51	10
2-Hexanone	20	U H	100	20	ug/L			12/07/19 20:51	10
Iodomethane	50	U H	100	50	ug/L			12/07/19 20:51	10
Methylene Chloride	25	U H	50	25	ug/L			12/07/19 20:51	10
4-Methyl-2-pentanone (MIBK)	21	U H	100	21	ug/L			12/07/19 20:51	10
Methyl tert-butyl ether	3.0	U H	100	3.0	ug/L			12/07/19 20:51	10
Styrene	2.7	U H	10	2.7	ug/L			12/07/19 20:51	10
1,1,1,2-Tetrachloroethane	3.7	U H	10	3.7	ug/L			12/07/19 20:51	10
1,1,2,2-Tetrachloroethane	820	H	10	6.2	ug/L			12/07/19 20:51	10
Tetrachloroethylene	7.4	U H	10	7.4	ug/L			12/07/19 20:51	10
Toluene	4.8	U H	10	4.8	ug/L			12/07/19 20:51	10
trans-1,4-Dichloro-2-butene	5.1	U H	20	5.1	ug/L			12/07/19 20:51	10
trans-1,2-Dichloroethene	98	H	10	3.7	ug/L			12/07/19 20:51	10
trans-1,3-Dichloropropene	4.2	U H	10	4.2	ug/L			12/07/19 20:51	10
1,1,1-Trichloroethane	3.7	U H	10	3.7	ug/L			12/07/19 20:51	10
1,1,2-Trichloroethane	20	H	10	3.3	ug/L			12/07/19 20:51	10
Trichloroethene	490	H	10	4.8	ug/L			12/07/19 20:51	10

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: DUP338

Lab Sample ID: 680-177221-1

Date Collected: 11/20/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	4.2	U H	10	4.2	ug/L			12/07/19 20:51	10
1,2,3-Trichloropropane	3.9	U H	10	3.9	ug/L			12/07/19 20:51	10
Vinyl acetate	8.1	U H	20	8.1	ug/L			12/07/19 20:51	10
Vinyl chloride	7.3	J H	10	5.0	ug/L			12/07/19 20:51	10
Xylenes, Total	2.3	U H	10	2.3	ug/L			12/07/19 20:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		80 - 120		12/07/19 20:51	10
Dibromofluoromethane (Surr)	101		80 - 122		12/07/19 20:51	10
1,2-Dichloroethane-d4 (Surr)	107		73 - 131		12/07/19 20:51	10
Toluene-d8 (Surr)	101		80 - 120		12/07/19 20:51	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.9		1.1	0.55	ug/L			12/02/19 19:31	1
Ethylene	26		1.0	0.50	ug/L			12/02/19 19:31	1
Methane (TCD)	760		390	39	ug/L			12/02/19 19:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.98	J	1.0	0.50	mg/L			11/26/19 03:25	1
Total Organic Carbon - Quad	0.98	J	1.0	0.50	mg/L			11/26/19 03:25	1

Client Sample ID: OLF-G77

Lab Sample ID: 680-177221-2

Date Collected: 11/20/19 13:01

Matrix: Water

Date Received: 11/21/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	70	U	100	70	ug/L			12/04/19 18:10	10
Acrylonitrile	100	U	200	100	ug/L			12/04/19 18:10	10
Benzene	4.3	U	10	4.3	ug/L			12/04/19 18:10	10
Bromochloromethane	4.5	U	10	4.5	ug/L			12/04/19 18:10	10
Bromodichloromethane	4.4	U	10	4.4	ug/L			12/04/19 18:10	10
Bromoform	4.3	U	10	4.3	ug/L			12/04/19 18:10	10
Bromomethane	25	U	50	25	ug/L			12/04/19 18:10	10
2-Butanone (MEK)	34	U	100	34	ug/L			12/04/19 18:10	10
Carbon disulfide	10	U	20	10	ug/L			12/04/19 18:10	10
Carbon tetrachloride	3.3	U	10	3.3	ug/L			12/04/19 18:10	10
Chlorobenzene	14		10	2.6	ug/L			12/04/19 18:10	10
Chloroethane	25	U	50	25	ug/L			12/04/19 18:10	10
Chloroform	5.0	U	10	5.0	ug/L			12/04/19 18:10	10
Chloromethane	4.0	U	10	4.0	ug/L			12/04/19 18:10	10
cis-1,2-Dichloroethene	290		10	4.1	ug/L			12/04/19 18:10	10
cis-1,3-Dichloropropene	4.0	U	10	4.0	ug/L			12/04/19 18:10	10
Dibromochloromethane	3.2	U	10	3.2	ug/L			12/04/19 18:10	10
1,2-Dibromo-3-Chloropropane	11	U	50	11	ug/L			12/04/19 18:10	10
1,2-Dibromoethane	4.4	U	10	4.4	ug/L			12/04/19 18:10	10
Dibromomethane	3.5	U	10	3.5	ug/L			12/04/19 18:10	10
1,2-Dichlorobenzene	3.7	U	10	3.7	ug/L			12/04/19 18:10	10
1,4-Dichlorobenzene	4.6	U	10	4.6	ug/L			12/04/19 18:10	10

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G77

Lab Sample ID: 680-177221-2

Date Collected: 11/20/19 13:01

Matrix: Water

Date Received: 11/21/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	3.8	U	10	3.8	ug/L			12/04/19 18:10	10
1,2-Dichloroethane	5.0	U	10	5.0	ug/L			12/04/19 18:10	10
1,1-Dichloroethene	3.6	U	10	3.6	ug/L			12/04/19 18:10	10
1,2-Dichloropropane	6.7	U	10	6.7	ug/L			12/04/19 18:10	10
1,3-Dichloropropane	3.4	U	10	3.4	ug/L			12/04/19 18:10	10
Ethylbenzene	3.3	U	10	3.3	ug/L			12/04/19 18:10	10
2-Hexanone	20	U	100	20	ug/L			12/04/19 18:10	10
Iodomethane	50	U	100	50	ug/L			12/04/19 18:10	10
Methylene Chloride	25	U	50	25	ug/L			12/04/19 18:10	10
4-Methyl-2-pentanone (MIBK)	21	U	100	21	ug/L			12/04/19 18:10	10
Methyl tert-butyl ether	3.0	U	100	3.0	ug/L			12/04/19 18:10	10
Styrene	2.7	U	10	2.7	ug/L			12/04/19 18:10	10
1,1,1,2-Tetrachloroethane	3.7	U	10	3.7	ug/L			12/04/19 18:10	10
1,1,2,2-Tetrachloroethane	1100		10	6.2	ug/L			12/04/19 18:10	10
Tetrachloroethylene	7.5	J	10	7.4	ug/L			12/04/19 18:10	10
Toluene	4.8	U	10	4.8	ug/L			12/04/19 18:10	10
trans-1,4-Dichloro-2-butene	5.1	U	20	5.1	ug/L			12/04/19 18:10	10
trans-1,2-Dichloroethene	140		10	3.7	ug/L			12/04/19 18:10	10
trans-1,3-Dichloropropene	4.2	U	10	4.2	ug/L			12/04/19 18:10	10
1,1,1-Trichloroethane	3.7	U	10	3.7	ug/L			12/04/19 18:10	10
1,1,2-Trichloroethane	25		10	3.3	ug/L			12/04/19 18:10	10
Trichloroethene	640		10	4.8	ug/L			12/04/19 18:10	10
Trichlorofluoromethane	4.2	U	10	4.2	ug/L			12/04/19 18:10	10
1,2,3-Trichloropropane	3.9	U	10	3.9	ug/L			12/04/19 18:10	10
Vinyl acetate	8.1	U	20	8.1	ug/L			12/04/19 18:10	10
Vinyl chloride	8.7	J	10	5.0	ug/L			12/04/19 18:10	10
Xylenes, Total	2.3	U	10	2.3	ug/L			12/04/19 18:10	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		12/04/19 18:10	10
Dibromofluoromethane (Surr)	104		80 - 122		12/04/19 18:10	10
1,2-Dichloroethane-d4 (Surr)	88		73 - 131		12/04/19 18:10	10
Toluene-d8 (Surr)	98		80 - 120		12/04/19 18:10	10

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			12/01/19 20:23	1
Ethylene	29		1.0	0.50	ug/L			12/01/19 20:23	1
Methane (TCD)	760		390	39	ug/L			12/01/19 20:23	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			11/26/19 04:15	1
Total Organic Carbon - Quad	0.95	J	1.0	0.50	mg/L			11/26/19 04:15	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G48

Lab Sample ID: 680-177221-3

Date Collected: 11/18/19 15:20

Matrix: Water

Date Received: 11/21/19 09:20

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			11/29/19 18:36	1
Acrylonitrile	10	U	20	10	ug/L			11/29/19 18:36	1
Benzene	0.55	J	1.0	0.43	ug/L			11/29/19 18:36	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/29/19 18:36	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/29/19 18:36	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/29/19 18:36	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			11/29/19 18:36	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/29/19 18:36	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/29/19 18:36	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/29/19 18:36	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/29/19 18:36	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/29/19 18:36	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/29/19 18:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/29/19 18:36	1
cis-1,2-Dichloroethene	0.80	J	1.0	0.41	ug/L			11/29/19 18:36	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/29/19 18:36	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/29/19 18:36	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/29/19 18:36	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/29/19 18:36	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/29/19 18:36	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/29/19 18:36	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/29/19 18:36	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/29/19 18:36	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/29/19 18:36	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/29/19 18:36	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/29/19 18:36	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/29/19 18:36	1
Ethylbenzene	1.5		1.0	0.33	ug/L			11/29/19 18:36	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/29/19 18:36	1
Iodomethane	5.0	U	10	5.0	ug/L			11/29/19 18:36	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/29/19 18:36	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/29/19 18:36	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/29/19 18:36	1
Styrene	0.27	U	1.0	0.27	ug/L			11/29/19 18:36	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 18:36	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/29/19 18:36	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/29/19 18:36	1
Toluene	2.5		1.0	0.48	ug/L			11/29/19 18:36	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/29/19 18:36	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/29/19 18:36	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/29/19 18:36	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 18:36	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/29/19 18:36	1
Trichloroethene	3.9		1.0	0.48	ug/L			11/29/19 18:36	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/29/19 18:36	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/29/19 18:36	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/29/19 18:36	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/29/19 18:36	1
Xylenes, Total	8.4		1.0	0.23	ug/L			11/29/19 18:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G48

Date Collected: 11/18/19 15:20

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		11/29/19 18:36	1
Dibromofluoromethane (Surr)	104		80 - 122		11/29/19 18:36	1
1,2-Dichloroethane-d4 (Surr)	78		73 - 131		11/29/19 18:36	1
Toluene-d8 (Surr)	110		80 - 120		11/29/19 18:36	1

Client Sample ID: OLF-G21

Date Collected: 11/19/19 10:06

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-4

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			12/03/19 17:01	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 17:01	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 17:01	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 17:01	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 17:01	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 17:01	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 17:01	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 17:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 17:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 17:01	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 17:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 17:01	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 17:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 17:01	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/03/19 17:01	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 17:01	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 17:01	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 17:01	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 17:01	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 17:01	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 17:01	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 17:01	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 17:01	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 17:01	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 17:01	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 17:01	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 17:01	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 17:01	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 17:01	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 17:01	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 17:01	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 17:01	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 17:01	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 17:01	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 17:01	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/03/19 17:01	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/03/19 17:01	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 17:01	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 17:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G21

Lab Sample ID: 680-177221-4

Date Collected: 11/19/19 10:06

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 17:01	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 17:01	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 17:01	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/03/19 17:01	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/03/19 17:01	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 17:01	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 17:01	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 17:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 17:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 17:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		12/03/19 17:01	1
Dibromofluoromethane (Surr)	99		80 - 122		12/03/19 17:01	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		12/03/19 17:01	1
Toluene-d8 (Surr)	100		80 - 120		12/03/19 17:01	1

Client Sample ID: DUP336

Lab Sample ID: 680-177221-5

Date Collected: 11/19/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 17:24	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 17:24	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 17:24	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 17:24	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 17:24	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 17:24	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 17:24	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 17:24	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 17:24	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 17:24	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 17:24	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 17:24	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 17:24	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 17:24	1
cis-1,2-Dichloroethene	21		1.0	0.41	ug/L			12/03/19 17:24	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 17:24	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 17:24	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 17:24	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 17:24	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 17:24	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 17:24	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 17:24	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 17:24	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 17:24	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 17:24	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 17:24	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 17:24	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: DUP336

Lab Sample ID: 680-177221-5

Date Collected: 11/19/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 17:24	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 17:24	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 17:24	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 17:24	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 17:24	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 17:24	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 17:24	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 17:24	1
1,1,2,2-Tetrachloroethane	150		1.0	0.62	ug/L			12/03/19 17:24	1
Tetrachloroethylene	1.2		1.0	0.74	ug/L			12/03/19 17:24	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 17:24	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 17:24	1
trans-1,2-Dichloroethene	9.5		1.0	0.37	ug/L			12/03/19 17:24	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 17:24	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 17:24	1
1,1,2-Trichloroethane	3.6		1.0	0.33	ug/L			12/03/19 17:24	1
Trichloroethene	120		1.0	0.48	ug/L			12/03/19 17:24	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 17:24	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 17:24	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 17:24	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 17:24	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		80 - 120		12/03/19 17:24	1
Dibromofluoromethane (Surr)	99		80 - 122		12/03/19 17:24	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		12/03/19 17:24	1
Toluene-d8 (Surr)	99		80 - 120		12/03/19 17:24	1

Client Sample ID: OLF-G12

Lab Sample ID: 680-177221-6

Date Collected: 11/19/19 15:06

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 17:48	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 17:48	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 17:48	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 17:48	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 17:48	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 17:48	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 17:48	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 17:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 17:48	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 17:48	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 17:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 17:48	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 17:48	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 17:48	1
cis-1,2-Dichloroethene	20		1.0	0.41	ug/L			12/03/19 17:48	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G12

Lab Sample ID: 680-177221-6

Date Collected: 11/19/19 15:06

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 17:48	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 17:48	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 17:48	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 17:48	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 17:48	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 17:48	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 17:48	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 17:48	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 17:48	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 17:48	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 17:48	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 17:48	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 17:48	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 17:48	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 17:48	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 17:48	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 17:48	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 17:48	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 17:48	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 17:48	1
1,1,2,2-Tetrachloroethane	150		1.0	0.62	ug/L			12/03/19 17:48	1
Tetrachloroethylene	1.2		1.0	0.74	ug/L			12/03/19 17:48	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 17:48	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 17:48	1
trans-1,2-Dichloroethene	9.3		1.0	0.37	ug/L			12/03/19 17:48	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 17:48	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 17:48	1
1,1,2-Trichloroethane	3.6		1.0	0.33	ug/L			12/03/19 17:48	1
Trichloroethene	110		1.0	0.48	ug/L			12/03/19 17:48	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 17:48	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 17:48	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 17:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 17:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		12/03/19 17:48	1
Dibromofluoromethane (Surr)	99		80 - 122		12/03/19 17:48	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		12/03/19 17:48	1
Toluene-d8 (Surr)	100		80 - 120		12/03/19 17:48	1

Client Sample ID: OLF-G23

Lab Sample ID: 680-177221-7

Date Collected: 11/18/19 12:51

Matrix: Water

Date Received: 11/21/19 09:20

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			11/29/19 18:59	1
Acrylonitrile	10	U	20	10	ug/L			11/29/19 18:59	1
Benzene	0.53	J	1.0	0.43	ug/L			11/29/19 18:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G23

Lab Sample ID: 680-177221-7

Date Collected: 11/18/19 12:51

Matrix: Water

Date Received: 11/21/19 09:20

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			11/29/19 18:59	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/29/19 18:59	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/29/19 18:59	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			11/29/19 18:59	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/29/19 18:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/29/19 18:59	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/29/19 18:59	1
Chlorobenzene	6.9		1.0	0.26	ug/L			11/29/19 18:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/29/19 18:59	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/29/19 18:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/29/19 18:59	1
cis-1,2-Dichloroethene	39		1.0	0.41	ug/L			11/29/19 18:59	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/29/19 18:59	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/29/19 18:59	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/29/19 18:59	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/29/19 18:59	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/29/19 18:59	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/29/19 18:59	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/29/19 18:59	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/29/19 18:59	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/29/19 18:59	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/29/19 18:59	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/29/19 18:59	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/29/19 18:59	1
Ethylbenzene	1.2		1.0	0.33	ug/L			11/29/19 18:59	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/29/19 18:59	1
Iodomethane	5.0	U	10	5.0	ug/L			11/29/19 18:59	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/29/19 18:59	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/29/19 18:59	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/29/19 18:59	1
Styrene	0.27	U	1.0	0.27	ug/L			11/29/19 18:59	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 18:59	1
1,1,2,2-Tetrachloroethane	100		1.0	0.62	ug/L			11/29/19 18:59	1
Tetrachloroethylene	0.76	J	1.0	0.74	ug/L			11/29/19 18:59	1
Toluene	2.1		1.0	0.48	ug/L			11/29/19 18:59	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/29/19 18:59	1
trans-1,2-Dichloroethene	17		1.0	0.37	ug/L			11/29/19 18:59	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/29/19 18:59	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 18:59	1
1,1,2-Trichloroethane	3.8		1.0	0.33	ug/L			11/29/19 18:59	1
Trichloroethene	110		1.0	0.48	ug/L			11/29/19 18:59	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/29/19 18:59	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/29/19 18:59	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/29/19 18:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/29/19 18:59	1
Xylenes, Total	6.7		1.0	0.23	ug/L			11/29/19 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/29/19 18:59	1
Dibromofluoromethane (Surr)	100		80 - 122		11/29/19 18:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G23

Date Collected: 11/18/19 12:51

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-7

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	71	X	73 - 131		11/29/19 18:59	1
Toluene-d8 (Surr)	122	X	80 - 120		11/29/19 18:59	1

Client Sample ID: OLF-G26

Date Collected: 11/20/19 09:31

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-8

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			12/04/19 18:33	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 18:33	1
Benzene	0.43	U	1.0	0.43	ug/L			12/04/19 18:33	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 18:33	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 18:33	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 18:33	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 18:33	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 18:33	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 18:33	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 18:33	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 18:33	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 18:33	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 18:33	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 18:33	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/04/19 18:33	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 18:33	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 18:33	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 18:33	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 18:33	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 18:33	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 18:33	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 18:33	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 18:33	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/04/19 18:33	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/04/19 18:33	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 18:33	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 18:33	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 18:33	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 18:33	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 18:33	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 18:33	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 18:33	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 18:33	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 18:33	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 18:33	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/04/19 18:33	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 18:33	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 18:33	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 18:33	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/04/19 18:33	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G26

Lab Sample ID: 680-177221-8

Date Collected: 11/20/19 09:31

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 18:33	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 18:33	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/04/19 18:33	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/04/19 18:33	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 18:33	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 18:33	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 18:33	1
Vinyl chloride	1.0		1.0	0.50	ug/L			12/04/19 18:33	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		12/04/19 18:33	1
Dibromofluoromethane (Surr)	104		80 - 122		12/04/19 18:33	1
1,2-Dichloroethane-d4 (Surr)	90		73 - 131		12/04/19 18:33	1
Toluene-d8 (Surr)	98		80 - 120		12/04/19 18:33	1

Client Sample ID: OLF-G70

Lab Sample ID: 680-177221-9

Date Collected: 11/18/19 10:45

Matrix: Water

Date Received: 11/21/19 09:20

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			11/29/19 19:56	1
Acrylonitrile	10	U	20	10	ug/L			11/29/19 19:56	1
Benzene	0.43	U	1.0	0.43	ug/L			11/29/19 19:56	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/29/19 19:56	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/29/19 19:56	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/29/19 19:56	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			11/29/19 19:56	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/29/19 19:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/29/19 19:56	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/29/19 19:56	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/29/19 19:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/29/19 19:56	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/29/19 19:56	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/29/19 19:56	1
cis-1,2-Dichloroethene	1.5		1.0	0.41	ug/L			11/29/19 19:56	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/29/19 19:56	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/29/19 19:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/29/19 19:56	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/29/19 19:56	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/29/19 19:56	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/29/19 19:56	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/29/19 19:56	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/29/19 19:56	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/29/19 19:56	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/29/19 19:56	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/29/19 19:56	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/29/19 19:56	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/29/19 19:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G70

Lab Sample ID: 680-177221-9

Date Collected: 11/18/19 10:45

Matrix: Water

Date Received: 11/21/19 09:20

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			11/29/19 19:56	1
Iodomethane	5.0	U	10	5.0	ug/L			11/29/19 19:56	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/29/19 19:56	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/29/19 19:56	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/29/19 19:56	1
Styrene	0.27	U	1.0	0.27	ug/L			11/29/19 19:56	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 19:56	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/29/19 19:56	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/29/19 19:56	1
Toluene	0.48	U	1.0	0.48	ug/L			11/29/19 19:56	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/29/19 19:56	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/29/19 19:56	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/29/19 19:56	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 19:56	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/29/19 19:56	1
Trichloroethene	6.8		1.0	0.48	ug/L			11/29/19 19:56	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/29/19 19:56	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/29/19 19:56	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/29/19 19:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/29/19 19:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/29/19 19:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120					11/29/19 19:56	1
Dibromofluoromethane (Surr)	99		80 - 122					11/29/19 19:56	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131					11/29/19 19:56	1
Toluene-d8 (Surr)	99		80 - 120					11/29/19 19:56	1

Client Sample ID: DUP334

Lab Sample ID: 680-177221-10

Date Collected: 11/18/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

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			12/02/19 03:34	1
Acrylonitrile	10	U *	20	10	ug/L			12/02/19 03:34	1
Benzene	0.43	U	1.0	0.43	ug/L			12/02/19 03:34	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/02/19 03:34	1
Bromodichloromethane	0.44	U *	1.0	0.44	ug/L			12/02/19 03:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/02/19 03:34	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			12/02/19 03:34	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/02/19 03:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/02/19 03:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/02/19 03:34	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/02/19 03:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/02/19 03:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/02/19 03:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/02/19 03:34	1
cis-1,2-Dichloroethene	1.2		1.0	0.41	ug/L			12/02/19 03:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/02/19 03:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: DUP334

Lab Sample ID: 680-177221-10

Date Collected: 11/18/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

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			12/02/19 03:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/02/19 03:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/02/19 03:34	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/02/19 03:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/02/19 03:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/02/19 03:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/02/19 03:34	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/02/19 03:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/02/19 03:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/02/19 03:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/02/19 03:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/02/19 03:34	1
2-Hexanone	2.0	U *	10	2.0	ug/L			12/02/19 03:34	1
Iodomethane	5.0	U	10	5.0	ug/L			12/02/19 03:34	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/02/19 03:34	1
4-Methyl-2-pentanone (MIBK)	2.1	U *	10	2.1	ug/L			12/02/19 03:34	1
Methyl tert-butyl ether	0.30	U *	10	0.30	ug/L			12/02/19 03:34	1
Styrene	0.27	U	1.0	0.27	ug/L			12/02/19 03:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/02/19 03:34	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/02/19 03:34	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/02/19 03:34	1
Toluene	0.48	U	1.0	0.48	ug/L			12/02/19 03:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/02/19 03:34	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/02/19 03:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/02/19 03:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/02/19 03:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/02/19 03:34	1
Trichloroethene	8.3		1.0	0.48	ug/L			12/02/19 03:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/02/19 03:34	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/02/19 03:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/02/19 03:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/02/19 03:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/02/19 03:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		80 - 120		12/02/19 03:34	1
Dibromofluoromethane (Surr)	105		80 - 122		12/02/19 03:34	1
1,2-Dichloroethane-d4 (Surr)	71	X	73 - 131		12/02/19 03:34	1
Toluene-d8 (Surr)	113		80 - 120		12/02/19 03:34	1

Client Sample ID: OLF-G47

Lab Sample ID: 680-177221-11

Date Collected: 11/18/19 13:20

Matrix: Water

Date Received: 11/21/19 09:20

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			11/28/19 01:50	1
Acrylonitrile	10	U	20	10	ug/L			11/28/19 01:50	1
Benzene	0.43	U	1.0	0.43	ug/L			11/28/19 01:50	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/28/19 01:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G47

Lab Sample ID: 680-177221-11

Date Collected: 11/18/19 13:20

Matrix: Water

Date Received: 11/21/19 09:20

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			11/28/19 01:50	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/28/19 01:50	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/28/19 01:50	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/28/19 01:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/28/19 01:50	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/28/19 01:50	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/28/19 01:50	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/28/19 01:50	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/28/19 01:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/28/19 01:50	1
cis-1,2-Dichloroethene	3.3		1.0	0.41	ug/L			11/28/19 01:50	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/28/19 01:50	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/28/19 01:50	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/28/19 01:50	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/28/19 01:50	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/28/19 01:50	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/28/19 01:50	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/28/19 01:50	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/28/19 01:50	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/28/19 01:50	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/28/19 01:50	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/28/19 01:50	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/28/19 01:50	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/28/19 01:50	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/28/19 01:50	1
Iodomethane	5.0	U	10	5.0	ug/L			11/28/19 01:50	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/28/19 01:50	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/28/19 01:50	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/28/19 01:50	1
Styrene	0.27	U	1.0	0.27	ug/L			11/28/19 01:50	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/28/19 01:50	1
1,1,2,2-Tetrachloroethane	1.3		1.0	0.62	ug/L			11/28/19 01:50	1
Tetrachloroethylene	0.75	J	1.0	0.74	ug/L			11/28/19 01:50	1
Toluene	0.48	U	1.0	0.48	ug/L			11/28/19 01:50	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/28/19 01:50	1
trans-1,2-Dichloroethene	0.89	J	1.0	0.37	ug/L			11/28/19 01:50	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/28/19 01:50	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/28/19 01:50	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/28/19 01:50	1
Trichloroethene	24		1.0	0.48	ug/L			11/28/19 01:50	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/28/19 01:50	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/28/19 01:50	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/28/19 01:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/28/19 01:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/28/19 01:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		11/28/19 01:50	1
4-Bromofluorobenzene (Surr)	104		80 - 120		11/29/19 20:20	1
Dibromofluoromethane (Surr)	98		80 - 122		11/28/19 01:50	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G47

Date Collected: 11/18/19 13:20

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-11

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		80 - 122		11/29/19 20:20	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		11/28/19 01:50	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/29/19 20:20	1
Toluene-d8 (Surr)	98		80 - 120		11/28/19 01:50	1
Toluene-d8 (Surr)	99		80 - 120		11/29/19 20:20	1

Client Sample ID: OLF-G78

Date Collected: 11/20/19 11:31

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-12

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			12/04/19 18:57	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 18:57	1
Benzene	0.43	U	1.0	0.43	ug/L			12/04/19 18:57	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 18:57	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 18:57	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 18:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 18:57	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 18:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 18:57	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 18:57	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 18:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 18:57	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 18:57	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 18:57	1
cis-1,2-Dichloroethene	1.9		1.0	0.41	ug/L			12/04/19 18:57	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 18:57	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 18:57	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 18:57	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 18:57	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 18:57	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 18:57	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 18:57	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 18:57	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/04/19 18:57	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/04/19 18:57	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 18:57	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 18:57	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 18:57	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 18:57	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 18:57	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 18:57	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 18:57	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 18:57	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 18:57	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 18:57	1
1,1,2,2-Tetrachloroethane	5.0		1.0	0.62	ug/L			12/04/19 18:57	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 18:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G78

Lab Sample ID: 680-177221-12

Date Collected: 11/20/19 11:31

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 18:57	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 18:57	1
trans-1,2-Dichloroethene	0.90	J	1.0	0.37	ug/L			12/04/19 18:57	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 18:57	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 18:57	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/04/19 18:57	1
Trichloroethene	3.3		1.0	0.48	ug/L			12/04/19 18:57	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 18:57	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 18:57	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 18:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/04/19 18:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120					12/04/19 18:57	1
Dibromofluoromethane (Surr)	106		80 - 122					12/04/19 18:57	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131					12/04/19 18:57	1
Toluene-d8 (Surr)	98		80 - 120					12/04/19 18:57	1

Client Sample ID: OLF-G24

Lab Sample ID: 680-177221-13

Date Collected: 11/18/19 13:51

Matrix: Water

Date Received: 11/21/19 09:20

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			11/27/19 21:49	1
Acrylonitrile	10	U	20	10	ug/L			11/27/19 21:49	1
Benzene	0.43	U	1.0	0.43	ug/L			11/27/19 21:49	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/27/19 21:49	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/27/19 21:49	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/27/19 21:49	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/27/19 21:49	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/27/19 21:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/27/19 21:49	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/27/19 21:49	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/27/19 21:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/27/19 21:49	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/27/19 21:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/27/19 21:49	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/27/19 21:49	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/27/19 21:49	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/27/19 21:49	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/27/19 21:49	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/27/19 21:49	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/27/19 21:49	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/27/19 21:49	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/27/19 21:49	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/27/19 21:49	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/27/19 21:49	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/27/19 21:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G24

Lab Sample ID: 680-177221-13

Date Collected: 11/18/19 13:51

Matrix: Water

Date Received: 11/21/19 09:20

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			11/27/19 21:49	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/27/19 21:49	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/27/19 21:49	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/27/19 21:49	1
Iodomethane	5.0	U	10	5.0	ug/L			11/27/19 21:49	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/27/19 21:49	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/27/19 21:49	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/27/19 21:49	1
Styrene	0.27	U	1.0	0.27	ug/L			11/27/19 21:49	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/27/19 21:49	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/27/19 21:49	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/27/19 21:49	1
Toluene	0.48	U	1.0	0.48	ug/L			11/27/19 21:49	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/27/19 21:49	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/27/19 21:49	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/27/19 21:49	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/27/19 21:49	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/27/19 21:49	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/27/19 21:49	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/27/19 21:49	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/27/19 21:49	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/27/19 21:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/27/19 21:49	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/27/19 21:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		11/27/19 21:49	1
Dibromofluoromethane (Surr)	99		80 - 122		11/27/19 21:49	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/27/19 21:49	1
Toluene-d8 (Surr)	98		80 - 120		11/27/19 21:49	1

Client Sample ID: OLF-G43

Lab Sample ID: 680-177221-14

Date Collected: 11/19/19 15:35

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 18:11	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 18:11	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 18:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 18:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 18:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 18:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 18:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 18:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 18:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 18:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 18:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 18:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 18:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G43

Lab Sample ID: 680-177221-14

Date Collected: 11/19/19 15:35

Matrix: Water

Date Received: 11/21/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 18:11	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/03/19 18:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 18:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 18:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 18:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 18:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 18:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 18:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 18:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 18:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 18:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 18:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 18:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 18:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 18:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 18:11	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 18:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 18:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 18:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 18:11	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 18:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 18:11	1
1,1,2,2-Tetrachloroethane	3.1		1.0	0.62	ug/L			12/03/19 18:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/03/19 18:11	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 18:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 18:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/03/19 18:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 18:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 18:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/03/19 18:11	1
Trichloroethene	0.89 J		1.0	0.48	ug/L			12/03/19 18:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 18:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 18:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 18:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 18:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		80 - 120		12/03/19 18:11	1
Dibromofluoromethane (Surr)	99		80 - 122		12/03/19 18:11	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		12/03/19 18:11	1
Toluene-d8 (Surr)	100		80 - 120		12/03/19 18:11	1

Client Sample ID: OLF-G35

Lab Sample ID: 680-177221-15

Date Collected: 11/19/19 09:25

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 18:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G35

Lab Sample ID: 680-177221-15

Date Collected: 11/19/19 09:25

Matrix: Water

Date Received: 11/21/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrylonitrile	10	U	20	10	ug/L			12/03/19 18:34	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 18:34	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 18:34	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 18:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 18:34	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 18:34	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 18:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 18:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 18:34	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 18:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 18:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 18:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 18:34	1
cis-1,2-Dichloroethene	0.41	J	1.0	0.41	ug/L			12/03/19 18:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 18:34	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 18:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 18:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 18:34	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 18:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 18:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 18:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 18:34	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 18:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 18:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 18:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 18:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 18:34	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 18:34	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 18:34	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 18:34	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 18:34	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 18:34	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 18:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 18:34	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/03/19 18:34	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/03/19 18:34	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 18:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 18:34	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/03/19 18:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 18:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 18:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/03/19 18:34	1
Trichloroethene	0.64	J	1.0	0.48	ug/L			12/03/19 18:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 18:34	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 18:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 18:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 18:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 18:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G35

Date Collected: 11/19/19 09:25

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-15

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		12/03/19 18:34	1
Dibromofluoromethane (Surr)	99		80 - 122		12/03/19 18:34	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		12/03/19 18:34	1
Toluene-d8 (Surr)	99		80 - 120		12/03/19 18:34	1

Client Sample ID: OLF-G22

Date Collected: 11/19/19 12:40

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-16

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			12/03/19 18:57	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 18:57	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 18:57	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 18:57	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 18:57	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 18:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 18:57	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 18:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 18:57	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 18:57	1
Chlorobenzene	8.2		1.0	0.26	ug/L			12/03/19 18:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 18:57	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 18:57	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 18:57	1
cis-1,2-Dichloroethene	45		1.0	0.41	ug/L			12/03/19 18:57	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 18:57	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 18:57	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 18:57	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 18:57	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 18:57	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 18:57	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 18:57	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 18:57	1
1,2-Dichloroethane	0.59 J		1.0	0.50	ug/L			12/03/19 18:57	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 18:57	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 18:57	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 18:57	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 18:57	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 18:57	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 18:57	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 18:57	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 18:57	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 18:57	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 18:57	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 18:57	1
1,1,2,2-Tetrachloroethane	59		1.0	0.62	ug/L			12/03/19 18:57	1
Tetrachloroethylene	0.82 J		1.0	0.74	ug/L			12/03/19 18:57	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 18:57	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 18:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G22

Lab Sample ID: 680-177221-16

Date Collected: 11/19/19 12:40

Matrix: Water

Date Received: 11/21/19 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	15		1.0	0.37	ug/L			12/03/19 18:57	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 18:57	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 18:57	1
1,1,2-Trichloroethane	2.5		1.0	0.33	ug/L			12/03/19 18:57	1
Trichloroethene	110		1.0	0.48	ug/L			12/03/19 18:57	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 18:57	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 18:57	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 18:57	1
Vinyl chloride	1.9		1.0	0.50	ug/L			12/03/19 18:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 18:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		80 - 120		12/03/19 18:57	1
Dibromofluoromethane (Surr)	98		80 - 122		12/03/19 18:57	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		12/03/19 18:57	1
Toluene-d8 (Surr)	99		80 - 120		12/03/19 18:57	1

Client Sample ID: OLF-G36

Lab Sample ID: 680-177221-17

Date Collected: 11/19/19 11:10

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 19:21	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 19:21	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 19:21	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 19:21	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 19:21	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 19:21	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 19:21	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 19:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 19:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 19:21	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 19:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 19:21	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 19:21	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 19:21	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/03/19 19:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 19:21	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 19:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 19:21	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 19:21	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 19:21	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 19:21	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 19:21	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 19:21	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 19:21	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 19:21	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 19:21	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 19:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G36

Lab Sample ID: 680-177221-17

Date Collected: 11/19/19 11:10

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 19:21	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 19:21	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 19:21	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 19:21	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 19:21	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 19:21	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 19:21	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 19:21	1
1,1,2,2-Tetrachloroethane	1.2		1.0	0.62	ug/L			12/03/19 19:21	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/03/19 19:21	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 19:21	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 19:21	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/03/19 19:21	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 19:21	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 19:21	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/03/19 19:21	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/03/19 19:21	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 19:21	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 19:21	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 19:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 19:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		80 - 120		12/03/19 19:21	1
Dibromofluoromethane (Surr)	98		80 - 122		12/03/19 19:21	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		12/03/19 19:21	1
Toluene-d8 (Surr)	99		80 - 120		12/03/19 19:21	1

Client Sample ID: OLF-G20

Lab Sample ID: 680-177221-18

Date Collected: 11/20/19 09:55

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 19:20	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 19:20	1
Benzene	0.54	J	1.0	0.43	ug/L			12/04/19 19:20	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 19:20	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 19:20	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 19:20	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 19:20	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 19:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 19:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 19:20	1
Chlorobenzene	1.8		1.0	0.26	ug/L			12/04/19 19:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 19:20	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 19:20	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 19:20	1
cis-1,2-Dichloroethene	8.9		1.0	0.41	ug/L			12/04/19 19:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G20

Lab Sample ID: 680-177221-18

Date Collected: 11/20/19 09:55

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 19:20	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 19:20	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 19:20	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 19:20	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 19:20	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 19:20	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 19:20	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 19:20	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/04/19 19:20	1
1,1-Dichloroethene	2.7		1.0	0.36	ug/L			12/04/19 19:20	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 19:20	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 19:20	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 19:20	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 19:20	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 19:20	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 19:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 19:20	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 19:20	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 19:20	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 19:20	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/04/19 19:20	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 19:20	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 19:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 19:20	1
trans-1,2-Dichloroethene	2.3		1.0	0.37	ug/L			12/04/19 19:20	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 19:20	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 19:20	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/04/19 19:20	1
Trichloroethene	11		1.0	0.48	ug/L			12/04/19 19:20	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 19:20	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 19:20	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 19:20	1
Vinyl chloride	7.8		1.0	0.50	ug/L			12/04/19 19:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		12/04/19 19:20	1
Dibromofluoromethane (Surr)	107		80 - 122		12/04/19 19:20	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		12/04/19 19:20	1
Toluene-d8 (Surr)	99		80 - 120		12/04/19 19:20	1

Client Sample ID: OLF-G19

Lab Sample ID: 680-177221-19

Date Collected: 11/19/19 11:46

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 19:44	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 19:44	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 19:44	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G19

Lab Sample ID: 680-177221-19

Date Collected: 11/19/19 11:46

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 19:44	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 19:44	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 19:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 19:44	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 19:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 19:44	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 19:44	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 19:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 19:44	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 19:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 19:44	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/03/19 19:44	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 19:44	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 19:44	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 19:44	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 19:44	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 19:44	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 19:44	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 19:44	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 19:44	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 19:44	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 19:44	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 19:44	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 19:44	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 19:44	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 19:44	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 19:44	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 19:44	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 19:44	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 19:44	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 19:44	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 19:44	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/03/19 19:44	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/03/19 19:44	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 19:44	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 19:44	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/03/19 19:44	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 19:44	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 19:44	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/03/19 19:44	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/03/19 19:44	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 19:44	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 19:44	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 19:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 19:44	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		80 - 120		12/03/19 19:44	1
Dibromofluoromethane (Surr)	99		80 - 122		12/03/19 19:44	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G19

Lab Sample ID: 680-177221-19

Date Collected: 11/19/19 11:46

Matrix: Water

Date Received: 11/21/19 09:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		73 - 131		12/03/19 19:44	1
Toluene-d8 (Surr)	99		80 - 120		12/03/19 19:44	1

Client Sample ID: OLF-G18

Lab Sample ID: 680-177221-20

Date Collected: 11/19/19 09:01

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 20:07	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 20:07	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 20:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 20:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 20:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 20:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 20:07	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 20:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 20:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 20:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 20:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 20:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 20:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 20:07	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/03/19 20:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 20:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 20:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 20:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 20:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 20:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 20:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 20:07	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 20:07	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 20:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 20:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 20:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 20:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 20:07	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 20:07	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 20:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 20:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 20:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 20:07	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 20:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 20:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/03/19 20:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/03/19 20:07	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 20:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 20:07	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/03/19 20:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G18

Lab Sample ID: 680-177221-20

Date Collected: 11/19/19 09:01

Matrix: Water

Date Received: 11/21/19 09:20

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			12/03/19 20:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 20:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/03/19 20:07	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/03/19 20:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 20:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 20:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 20:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 20:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 20:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120					12/03/19 20:07	1
Dibromofluoromethane (Surr)	99		80 - 122					12/03/19 20:07	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131					12/03/19 20:07	1
Toluene-d8 (Surr)	100		80 - 120					12/03/19 20:07	1

Client Sample ID: OLF-G42

Lab Sample ID: 680-177221-21

Date Collected: 11/20/19 13:15

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 20:07	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 20:07	1
Benzene	1.3		1.0	0.43	ug/L			12/04/19 20:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 20:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 20:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 20:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 20:07	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 20:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 20:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 20:07	1
Chlorobenzene	0.58 J		1.0	0.26	ug/L			12/04/19 20:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 20:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 20:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 20:07	1
cis-1,2-Dichloroethene	18		1.0	0.41	ug/L			12/04/19 20:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 20:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 20:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 20:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 20:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 20:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 20:07	1
1,4-Dichlorobenzene	0.77 J		1.0	0.46	ug/L			12/04/19 20:07	1
1,1-Dichloroethane	3.2		1.0	0.38	ug/L			12/04/19 20:07	1
1,2-Dichloroethane	1.7		1.0	0.50	ug/L			12/04/19 20:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/04/19 20:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 20:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 20:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 20:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G42

Lab Sample ID: 680-177221-21

Date Collected: 11/20/19 13:15

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 20:07	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 20:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 20:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 20:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 20:07	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 20:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 20:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/04/19 20:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 20:07	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 20:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 20:07	1
trans-1,2-Dichloroethene	5.2		1.0	0.37	ug/L			12/04/19 20:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 20:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 20:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/04/19 20:07	1
Trichloroethene	0.69	J	1.0	0.48	ug/L			12/04/19 20:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 20:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 20:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 20:07	1
Vinyl chloride	27		1.0	0.50	ug/L			12/04/19 20:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		12/04/19 20:07	1
Dibromofluoromethane (Surr)	110		80 - 122		12/04/19 20:07	1
1,2-Dichloroethane-d4 (Surr)	104		73 - 131		12/04/19 20:07	1
Toluene-d8 (Surr)	100		80 - 120		12/04/19 20:07	1

Client Sample ID: OLF-G07

Lab Sample ID: 680-177221-22

Date Collected: 11/20/19 11:30

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 19:44	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 19:44	1
Benzene	0.43	U	1.0	0.43	ug/L			12/04/19 19:44	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 19:44	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 19:44	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 19:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 19:44	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 19:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 19:44	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 19:44	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 19:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 19:44	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 19:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 19:44	1
cis-1,2-Dichloroethene	6.1		1.0	0.41	ug/L			12/04/19 19:44	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 19:44	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: OLF-G07

Lab Sample ID: 680-177221-22

Date Collected: 11/20/19 11:30

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 19:44	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 19:44	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 19:44	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 19:44	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 19:44	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 19:44	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 19:44	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/04/19 19:44	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/04/19 19:44	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 19:44	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 19:44	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 19:44	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 19:44	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 19:44	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 19:44	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 19:44	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 19:44	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 19:44	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 19:44	1
1,1,2,2-Tetrachloroethane	67		1.0	0.62	ug/L			12/04/19 19:44	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 19:44	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 19:44	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 19:44	1
trans-1,2-Dichloroethene	2.4		1.0	0.37	ug/L			12/04/19 19:44	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 19:44	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 19:44	1
1,1,2-Trichloroethane	1.0		1.0	0.33	ug/L			12/04/19 19:44	1
Trichloroethene	34		1.0	0.48	ug/L			12/04/19 19:44	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 19:44	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 19:44	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 19:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/04/19 19:44	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		12/04/19 19:44	1
Dibromofluoromethane (Surr)	106		80 - 122		12/04/19 19:44	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131		12/04/19 19:44	1
Toluene-d8 (Surr)	99		80 - 120		12/04/19 19:44	1

Client Sample ID: TB545

Lab Sample ID: 680-177221-23

Date Collected: 11/20/19 14:30

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 14:39	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 14:39	1
Benzene	0.43	U	1.0	0.43	ug/L			12/04/19 14:39	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 14:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: TB545

Lab Sample ID: 680-177221-23

Date Collected: 11/20/19 14:30

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 14:39	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 14:39	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 14:39	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 14:39	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 14:39	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 14:39	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 14:39	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 14:39	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 14:39	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 14:39	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/04/19 14:39	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 14:39	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 14:39	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 14:39	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 14:39	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 14:39	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 14:39	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 14:39	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 14:39	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/04/19 14:39	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/04/19 14:39	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 14:39	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 14:39	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 14:39	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 14:39	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 14:39	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 14:39	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 14:39	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 14:39	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 14:39	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 14:39	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/04/19 14:39	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 14:39	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 14:39	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 14:39	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/04/19 14:39	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 14:39	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 14:39	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/04/19 14:39	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/04/19 14:39	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 14:39	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 14:39	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 14:39	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/04/19 14:39	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		12/04/19 14:39	1
Dibromofluoromethane (Surr)	106		80 - 122		12/04/19 14:39	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		12/04/19 14:39	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: TB545

Date Collected: 11/20/19 14:30

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-23

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		12/04/19 14:39	1

Client Sample ID: MB102

Date Collected: 11/20/19 15:00

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-24

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			12/04/19 17:46	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 17:46	1
Benzene	0.43	U	1.0	0.43	ug/L			12/04/19 17:46	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 17:46	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 17:46	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 17:46	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 17:46	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 17:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 17:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 17:46	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 17:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 17:46	1
Chloroform	0.52	J	1.0	0.50	ug/L			12/04/19 17:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 17:46	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/04/19 17:46	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 17:46	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 17:46	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 17:46	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 17:46	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 17:46	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 17:46	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 17:46	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 17:46	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/04/19 17:46	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/04/19 17:46	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 17:46	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 17:46	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 17:46	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 17:46	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 17:46	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 17:46	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 17:46	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 17:46	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 17:46	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 17:46	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/04/19 17:46	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 17:46	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 17:46	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 17:46	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/04/19 17:46	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 17:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: MB102

Lab Sample ID: 680-177221-24

Date Collected: 11/20/19 15:00

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 17:46	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/04/19 17:46	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/04/19 17:46	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 17:46	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 17:46	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 17:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/04/19 17:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 17:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120		12/04/19 17:46	1
Dibromofluoromethane (Surr)	107		80 - 122		12/04/19 17:46	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		12/04/19 17:46	1
Toluene-d8 (Surr)	99		80 - 120		12/04/19 17:46	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			12/01/19 20:36	1
Ethylene	0.50	U	1.0	0.50	ug/L			12/01/19 20:36	1
Methane	0.29	U	0.58	0.29	ug/L			12/01/19 20:36	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			11/26/19 04:35	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/26/19 04:35	1

Client Sample ID: EB132

Lab Sample ID: 680-177221-25

Date Collected: 11/20/19 15:10

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 15:02	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 15:02	1
Benzene	0.43	U	1.0	0.43	ug/L			12/04/19 15:02	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 15:02	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 15:02	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 15:02	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 15:02	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 15:02	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 15:02	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/04/19 15:02	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 15:02	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 15:02	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 15:02	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 15:02	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/04/19 15:02	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 15:02	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 15:02	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 15:02	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 15:02	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-177221-1

Client Sample ID: EB132

Lab Sample ID: 680-177221-25

Date Collected: 11/20/19 15:10

Matrix: Water

Date Received: 11/21/19 09:20

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			12/04/19 15:02	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 15:02	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 15:02	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 15:02	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/04/19 15:02	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/04/19 15:02	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 15:02	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 15:02	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 15:02	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 15:02	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 15:02	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 15:02	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 15:02	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 15:02	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 15:02	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 15:02	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/04/19 15:02	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 15:02	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 15:02	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 15:02	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/04/19 15:02	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 15:02	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 15:02	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/04/19 15:02	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/04/19 15:02	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 15:02	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 15:02	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 15:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/04/19 15:02	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 15:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		12/04/19 15:02	1
Dibromofluoromethane (Surr)	110		80 - 122		12/04/19 15:02	1
1,2-Dichloroethane-d4 (Surr)	96		73 - 131		12/04/19 15:02	1
Toluene-d8 (Surr)	98		80 - 120		12/04/19 15:02	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			12/01/19 20:48	1
Ethylene	0.50	U	1.0	0.50	ug/L			12/01/19 20:48	1
Methane	0.29	U	0.58	0.29	ug/L			12/01/19 20:48	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			11/26/19 04:52	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/26/19 04:52	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-598304/9

Matrix: Water

Analysis Batch: 598304

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			11/27/19 17:47	1
Acrylonitrile	10	U	20	10	ug/L			11/27/19 17:47	1
Benzene	0.43	U	1.0	0.43	ug/L			11/27/19 17:47	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/27/19 17:47	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/27/19 17:47	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/27/19 17:47	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/27/19 17:47	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/27/19 17:47	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/27/19 17:47	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/27/19 17:47	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/27/19 17:47	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/27/19 17:47	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/27/19 17:47	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/27/19 17:47	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/27/19 17:47	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/27/19 17:47	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/27/19 17:47	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/27/19 17:47	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/27/19 17:47	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/27/19 17:47	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/27/19 17:47	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/27/19 17:47	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/27/19 17:47	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/27/19 17:47	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/27/19 17:47	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/27/19 17:47	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/27/19 17:47	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/27/19 17:47	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/27/19 17:47	1
Iodomethane	5.0	U	10	5.0	ug/L			11/27/19 17:47	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/27/19 17:47	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/27/19 17:47	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/27/19 17:47	1
Styrene	0.27	U	1.0	0.27	ug/L			11/27/19 17:47	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/27/19 17:47	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/27/19 17:47	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/27/19 17:47	1
Toluene	0.48	U	1.0	0.48	ug/L			11/27/19 17:47	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/27/19 17:47	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/27/19 17:47	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/27/19 17:47	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/27/19 17:47	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/27/19 17:47	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/27/19 17:47	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/27/19 17:47	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/27/19 17:47	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/27/19 17:47	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/27/19 17:47	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-598304/9

Matrix: Water

Analysis Batch: 598304

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			11/27/19 17:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120					11/27/19 17:47	1
Dibromofluoromethane (Surr)	99		80 - 122					11/27/19 17:47	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					11/27/19 17:47	1
Toluene-d8 (Surr)	95		80 - 120					11/27/19 17:47	1

Lab Sample ID: LCS 680-598304/3

Matrix: Water

Analysis Batch: 598304

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	210		ug/L		84	70 - 135
Acrylonitrile	500	449		ug/L		90	80 - 123
Benzene	50.0	47.9		ug/L		96	80 - 120
Bromochloromethane	50.0	46.8		ug/L		94	80 - 120
Bromodichloromethane	50.0	41.4		ug/L		83	80 - 120
Bromoform	50.0	45.8		ug/L		92	74 - 126
Bromomethane	50.1	51.4		ug/L		103	62 - 130
2-Butanone (MEK)	250	225		ug/L		90	80 - 131
Carbon disulfide	50.0	47.0		ug/L		94	80 - 120
Carbon tetrachloride	50.0	48.7		ug/L		97	76 - 123
Chlorobenzene	50.0	49.3		ug/L		99	80 - 120
Chloroethane	50.0	41.5		ug/L		83	66 - 135
Chloroform	50.0	50.2		ug/L		100	80 - 120
Chloromethane	50.0	40.0		ug/L		80	69 - 131
cis-1,2-Dichloroethene	50.0	50.3		ug/L		101	80 - 120
cis-1,3-Dichloropropene	50.0	44.9		ug/L		90	80 - 120
Dibromochloromethane	50.0	47.7		ug/L		95	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	47.0		ug/L		94	71 - 134
1,2-Dibromoethane	50.0	48.5		ug/L		97	80 - 120
Dibromomethane	50.0	45.5		ug/L		91	80 - 120
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	80 - 120
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	80 - 120
1,1-Dichloroethane	50.0	47.0		ug/L		94	80 - 120
1,2-Dichloroethane	50.0	50.3		ug/L		101	80 - 120
1,1-Dichloroethene	50.0	47.9		ug/L		96	76 - 120
1,2-Dichloropropane	50.0	44.1		ug/L		88	80 - 120
1,3-Dichloropropane	50.0	48.7		ug/L		97	80 - 120
Ethylbenzene	50.0	49.8		ug/L		100	80 - 120
2-Hexanone	250	213		ug/L		85	74 - 127
Iodomethane	50.0	46.1		ug/L		92	52 - 142
Methylene Chloride	50.0	44.3		ug/L		89	80 - 120
4-Methyl-2-pentanone (MIBK)	250	225		ug/L		90	76 - 124
Methyl tert-butyl ether	50.0	47.5		ug/L		95	80 - 120
Styrene	50.0	48.3		ug/L		97	80 - 120
1,1,1,2-Tetrachloroethane	50.0	47.6		ug/L		95	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-598304/3

Matrix: Water

Analysis Batch: 598304

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	47.2		ug/L		94	80 - 120
Tetrachloroethylene	50.0	51.1		ug/L		102	80 - 121
Toluene	50.0	45.6		ug/L		91	80 - 113
trans-1,4-Dichloro-2-butene	50.0	44.0		ug/L		88	68 - 125
trans-1,2-Dichloroethene	50.0	49.5		ug/L		99	80 - 120
trans-1,3-Dichloropropene	50.0	43.9		ug/L		88	80 - 120
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	80 - 120
1,1,2-Trichloroethane	50.0	47.8		ug/L		96	80 - 120
Trichloroethene	50.0	49.9		ug/L		100	80 - 120
Trichlorofluoromethane	50.0	44.2		ug/L		88	60 - 141
1,2,3-Trichloropropane	50.0	45.5		ug/L		91	80 - 123
Vinyl acetate	100	102		ug/L		102	67 - 135
Vinyl chloride	50.1	46.8		ug/L		93	71 - 128
Xylenes, Total	100	98.6		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		80 - 120
Dibromofluoromethane (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	100		73 - 131
Toluene-d8 (Surr)	97		80 - 120

Lab Sample ID: LCSD 680-598304/4

Matrix: Water

Analysis Batch: 598304

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	201		ug/L		80	70 - 135	4	30
Acrylonitrile	500	437		ug/L		87	80 - 123	3	20
Benzene	50.0	47.7		ug/L		95	80 - 120	0	20
Bromochloromethane	50.0	46.5		ug/L		93	80 - 120	1	20
Bromodichloromethane	50.0	49.4		ug/L		99	80 - 120	18	20
Bromoform	50.0	46.3		ug/L		93	74 - 126	1	20
Bromomethane	50.1	42.4		ug/L		85	62 - 130	19	20
2-Butanone (MEK)	250	217		ug/L		87	80 - 131	4	20
Carbon disulfide	50.0	45.6		ug/L		91	80 - 120	3	20
Carbon tetrachloride	50.0	47.8		ug/L		96	76 - 123	2	20
Chlorobenzene	50.0	48.9		ug/L		98	80 - 120	1	20
Chloroethane	50.0	40.3		ug/L		80	66 - 135	3	20
Chloroform	50.0	49.4		ug/L		99	80 - 120	2	20
Chloromethane	50.0	38.5		ug/L		77	69 - 131	4	30
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	43.7		ug/L		87	80 - 120	3	20
Dibromochloromethane	50.0	48.1		ug/L		96	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	44.7		ug/L		89	71 - 134	5	20
1,2-Dibromoethane	50.0	49.2		ug/L		98	80 - 120	1	20
Dibromomethane	50.0	48.8		ug/L		98	80 - 120	7	20
1,2-Dichlorobenzene	50.0	51.0		ug/L		102	80 - 120	0	20
1,4-Dichlorobenzene	50.0	49.6		ug/L		99	80 - 120	0	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-598304/4

Matrix: Water

Analysis Batch: 598304

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	46.5		ug/L		93	80 - 120	1	20
1,2-Dichloroethane	50.0	49.6		ug/L		99	80 - 120	1	50
1,1-Dichloroethene	50.0	45.5		ug/L		91	76 - 120	5	20
1,2-Dichloropropane	50.0	47.5		ug/L		95	80 - 120	7	20
1,3-Dichloropropane	50.0	48.4		ug/L		97	80 - 120	1	20
Ethylbenzene	50.0	48.9		ug/L		98	80 - 120	2	20
2-Hexanone	250	211		ug/L		85	74 - 127	1	20
Iodomethane	50.0	45.6		ug/L		91	52 - 142	1	30
Methylene Chloride	50.0	43.3		ug/L		87	80 - 120	2	20
4-Methyl-2-pentanone (MIBK)	250	214		ug/L		86	76 - 124	5	20
Methyl tert-butyl ether	50.0	46.6		ug/L		93	80 - 120	2	20
Styrene	50.0	48.7		ug/L		97	80 - 120	1	20
1,1,1,2-Tetrachloroethane	50.0	47.2		ug/L		94	80 - 121	1	20
1,1,2,2-Tetrachloroethane	50.0	46.4		ug/L		93	80 - 120	2	20
Tetrachloroethylene	50.0	47.6		ug/L		95	80 - 121	7	20
Toluene	50.0	43.1		ug/L		86	80 - 113	6	20
trans-1,4-Dichloro-2-butene	50.0	42.4		ug/L		85	68 - 125	4	30
trans-1,2-Dichloroethene	50.0	47.6		ug/L		95	80 - 120	4	20
trans-1,3-Dichloropropene	50.0	42.8		ug/L		86	80 - 120	3	30
1,1,1-Trichloroethane	50.0	47.5		ug/L		95	80 - 120	2	20
1,1,2-Trichloroethane	50.0	45.5		ug/L		91	80 - 120	5	20
Trichloroethene	50.0	48.9		ug/L		98	80 - 120	2	20
Trichlorofluoromethane	50.0	42.5		ug/L		85	60 - 141	4	20
1,2,3-Trichloropropane	50.0	44.9		ug/L		90	80 - 123	1	30
Vinyl acetate	100	99.5		ug/L		100	67 - 135	3	20
Vinyl chloride	50.1	44.6		ug/L		89	71 - 128	5	20
Xylenes, Total	100	98.1		ug/L		98	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	100		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		73 - 131
Toluene-d8 (Surr)	93		80 - 120

Lab Sample ID: MB 680-598428/9

Matrix: Water

Analysis Batch: 598428

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			11/29/19 13:09	1
Acrylonitrile	10	U	20	10	ug/L			11/29/19 13:09	1
Benzene	0.43	U	1.0	0.43	ug/L			11/29/19 13:09	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/29/19 13:09	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/29/19 13:09	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/29/19 13:09	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/29/19 13:09	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/29/19 13:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/29/19 13:09	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-598428/9

Matrix: Water

Analysis Batch: 598428

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			11/29/19 13:09	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/29/19 13:09	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/29/19 13:09	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/29/19 13:09	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/29/19 13:09	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/29/19 13:09	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/29/19 13:09	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/29/19 13:09	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/29/19 13:09	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/29/19 13:09	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/29/19 13:09	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/29/19 13:09	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/29/19 13:09	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			11/29/19 13:09	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/29/19 13:09	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/29/19 13:09	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/29/19 13:09	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/29/19 13:09	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/29/19 13:09	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/29/19 13:09	1
Iodomethane	5.0	U	10	5.0	ug/L			11/29/19 13:09	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/29/19 13:09	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/29/19 13:09	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/29/19 13:09	1
Styrene	0.27	U	1.0	0.27	ug/L			11/29/19 13:09	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 13:09	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/29/19 13:09	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/29/19 13:09	1
Toluene	0.48	U	1.0	0.48	ug/L			11/29/19 13:09	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/29/19 13:09	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/29/19 13:09	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/29/19 13:09	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 13:09	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/29/19 13:09	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/29/19 13:09	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/29/19 13:09	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/29/19 13:09	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/29/19 13:09	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/29/19 13:09	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/29/19 13:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		11/29/19 13:09	1
Dibromofluoromethane (Surr)	99		80 - 122		11/29/19 13:09	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		11/29/19 13:09	1
Toluene-d8 (Surr)	98		80 - 120		11/29/19 13:09	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-598428/3

Matrix: Water

Analysis Batch: 598428

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	192		ug/L		77	70 - 135
Acrylonitrile	500	415		ug/L		83	80 - 123
Benzene	50.0	48.5		ug/L		97	80 - 120
Bromochloromethane	50.0	45.2		ug/L		90	80 - 120
Bromodichloromethane	50.0	47.8		ug/L		96	80 - 120
Bromoform	50.0	44.1		ug/L		88	74 - 126
Bromomethane	50.1	73.1	*	ug/L		146	62 - 130
2-Butanone (MEK)	250	202		ug/L		81	80 - 131
Carbon disulfide	50.0	49.4		ug/L		99	80 - 120
Carbon tetrachloride	50.0	51.1		ug/L		102	76 - 123
Chlorobenzene	50.0	48.7		ug/L		97	80 - 120
Chloroethane	50.0	42.5		ug/L		85	66 - 135
Chloroform	50.0	49.0		ug/L		98	80 - 120
Chloromethane	50.0	43.2		ug/L		86	69 - 131
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	80 - 120
cis-1,3-Dichloropropene	50.0	48.3		ug/L		97	80 - 120
Dibromochloromethane	50.0	46.3		ug/L		93	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	43.0		ug/L		86	71 - 134
1,2-Dibromoethane	50.0	45.5		ug/L		91	80 - 120
Dibromomethane	50.0	45.7		ug/L		91	80 - 120
1,2-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 120
1,4-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 120
1,1-Dichloroethane	50.0	47.6		ug/L		95	80 - 120
1,2-Dichloroethane	50.0	47.1		ug/L		94	80 - 120
1,1-Dichloroethene	50.0	49.3		ug/L		99	76 - 120
1,2-Dichloropropane	50.0	47.0		ug/L		94	80 - 120
1,3-Dichloropropane	50.0	46.1		ug/L		92	80 - 120
Ethylbenzene	50.0	50.1		ug/L		100	80 - 120
2-Hexanone	250	193		ug/L		77	74 - 127
Iodomethane	50.0	52.9		ug/L		106	52 - 142
Methylene Chloride	50.0	42.6		ug/L		85	80 - 120
4-Methyl-2-pentanone (MIBK)	250	219		ug/L		88	76 - 124
Methyl tert-butyl ether	50.0	44.8		ug/L		90	80 - 120
Styrene	50.0	48.0		ug/L		96	80 - 120
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	80 - 121
1,1,2,2-Tetrachloroethane	50.0	44.0		ug/L		88	80 - 120
Tetrachloroethylene	50.0	51.7		ug/L		103	80 - 121
Toluene	50.0	49.3		ug/L		99	80 - 113
trans-1,4-Dichloro-2-butene	50.0	39.9		ug/L		80	68 - 125
trans-1,2-Dichloroethene	50.0	49.9		ug/L		100	80 - 120
trans-1,3-Dichloropropene	50.0	46.7		ug/L		93	80 - 120
1,1,1-Trichloroethane	50.0	49.5		ug/L		99	80 - 120
1,1,2-Trichloroethane	50.0	45.6		ug/L		91	80 - 120
Trichloroethene	50.0	50.0		ug/L		100	80 - 120
Trichlorofluoromethane	50.0	47.5		ug/L		95	60 - 141
1,2,3-Trichloropropane	50.0	41.7		ug/L		83	80 - 123
Vinyl acetate	100	98.6		ug/L		99	67 - 135
Vinyl chloride	50.1	50.2		ug/L		100	71 - 128

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-598428/3

Matrix: Water

Analysis Batch: 598428

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	98.7		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		80 - 120
Dibromofluoromethane (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 680-598428/4

Matrix: Water

Analysis Batch: 598428

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	192		ug/L		77	70 - 135	0	30
Acrylonitrile	500	415		ug/L		83	80 - 123	0	20
Benzene	50.0	48.6		ug/L		97	80 - 120	0	20
Bromochloromethane	50.0	45.2		ug/L		90	80 - 120	0	20
Bromodichloromethane	50.0	47.9		ug/L		96	80 - 120	0	20
Bromoform	50.0	43.9		ug/L		88	74 - 126	0	20
Bromomethane	50.1	79.1	*	ug/L		158	62 - 130	8	20
2-Butanone (MEK)	250	203		ug/L		81	80 - 131	1	20
Carbon disulfide	50.0	49.1		ug/L		98	80 - 120	1	20
Carbon tetrachloride	50.0	50.8		ug/L		102	76 - 123	0	20
Chlorobenzene	50.0	48.3		ug/L		97	80 - 120	1	20
Chloroethane	50.0	42.1		ug/L		84	66 - 135	1	20
Chloroform	50.0	49.4		ug/L		99	80 - 120	1	20
Chloromethane	50.0	43.8		ug/L		88	69 - 131	1	30
cis-1,2-Dichloroethene	50.0	49.5		ug/L		99	80 - 120	0	20
cis-1,3-Dichloropropene	50.0	48.8		ug/L		98	80 - 120	1	20
Dibromochloromethane	50.0	46.8		ug/L		94	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	43.1		ug/L		86	71 - 134	0	20
1,2-Dibromoethane	50.0	45.8		ug/L		92	80 - 120	1	20
Dibromomethane	50.0	46.6		ug/L		93	80 - 120	2	20
1,2-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 120	1	20
1,4-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 120	0	20
1,1-Dichloroethane	50.0	47.2		ug/L		94	80 - 120	1	20
1,2-Dichloroethane	50.0	48.1		ug/L		96	80 - 120	2	50
1,1-Dichloroethene	50.0	49.8		ug/L		100	76 - 120	1	20
1,2-Dichloropropane	50.0	47.5		ug/L		95	80 - 120	1	20
1,3-Dichloropropane	50.0	46.6		ug/L		93	80 - 120	1	20
Ethylbenzene	50.0	49.5		ug/L		99	80 - 120	1	20
2-Hexanone	250	195		ug/L		78	74 - 127	1	20
Iodomethane	50.0	53.5		ug/L		107	52 - 142	1	30
Methylene Chloride	50.0	42.4		ug/L		85	80 - 120	0	20
4-Methyl-2-pentanone (MIBK)	250	218		ug/L		87	76 - 124	0	20
Methyl tert-butyl ether	50.0	44.8		ug/L		90	80 - 120	0	20
Styrene	50.0	47.7		ug/L		95	80 - 120	1	20
1,1,1,2-Tetrachloroethane	50.0	46.0		ug/L		92	80 - 121	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-598428/4

Matrix: Water

Analysis Batch: 598428

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	42.9		ug/L		86	80 - 120	2	20
Tetrachloroethylene	50.0	51.8		ug/L		104	80 - 121	0	20
Toluene	50.0	49.5		ug/L		99	80 - 113	0	20
trans-1,4-Dichloro-2-butene	50.0	43.4		ug/L		87	68 - 125	8	30
trans-1,2-Dichloroethene	50.0	49.4		ug/L		99	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	47.6		ug/L		95	80 - 120	2	30
1,1,1-Trichloroethane	50.0	49.8		ug/L		100	80 - 120	1	20
1,1,2-Trichloroethane	50.0	45.7		ug/L		91	80 - 120	0	20
Trichloroethene	50.0	49.8		ug/L		100	80 - 120	0	20
Trichlorofluoromethane	50.0	47.4		ug/L		95	60 - 141	0	20
1,2,3-Trichloropropane	50.0	41.3		ug/L		83	80 - 123	1	30
Vinyl acetate	100	98.1		ug/L		98	67 - 135	1	20
Vinyl chloride	50.1	49.9		ug/L		100	71 - 128	1	20
Xylenes, Total	100	97.3		ug/L		97	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		80 - 120
Dibromofluoromethane (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 680-598444/10

Matrix: Water

Analysis Batch: 598444

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			11/29/19 13:45	1
Acrylonitrile	10	U	20	10	ug/L			11/29/19 13:45	1
Benzene	0.43	U	1.0	0.43	ug/L			11/29/19 13:45	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			11/29/19 13:45	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			11/29/19 13:45	1
Bromoform	0.43	U	1.0	0.43	ug/L			11/29/19 13:45	1
Bromomethane	2.5	U	5.0	2.5	ug/L			11/29/19 13:45	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			11/29/19 13:45	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/29/19 13:45	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			11/29/19 13:45	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/29/19 13:45	1
Chloroethane	2.5	U	5.0	2.5	ug/L			11/29/19 13:45	1
Chloroform	0.50	U	1.0	0.50	ug/L			11/29/19 13:45	1
Chloromethane	0.40	U	1.0	0.40	ug/L			11/29/19 13:45	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			11/29/19 13:45	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			11/29/19 13:45	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			11/29/19 13:45	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			11/29/19 13:45	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			11/29/19 13:45	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			11/29/19 13:45	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			11/29/19 13:45	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			11/29/19 13:45	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-598444/10

Matrix: Water

Analysis Batch: 598444

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			11/29/19 13:45	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			11/29/19 13:45	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			11/29/19 13:45	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/29/19 13:45	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			11/29/19 13:45	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/29/19 13:45	1
2-Hexanone	2.0	U	10	2.0	ug/L			11/29/19 13:45	1
Iodomethane	5.0	U	10	5.0	ug/L			11/29/19 13:45	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			11/29/19 13:45	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/29/19 13:45	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			11/29/19 13:45	1
Styrene	0.27	U	1.0	0.27	ug/L			11/29/19 13:45	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 13:45	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			11/29/19 13:45	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			11/29/19 13:45	1
Toluene	0.48	U	1.0	0.48	ug/L			11/29/19 13:45	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/29/19 13:45	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			11/29/19 13:45	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			11/29/19 13:45	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			11/29/19 13:45	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			11/29/19 13:45	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			11/29/19 13:45	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			11/29/19 13:45	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			11/29/19 13:45	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			11/29/19 13:45	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			11/29/19 13:45	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/29/19 13:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		80 - 120		11/29/19 13:45	1
Dibromofluoromethane (Surr)	101		80 - 122		11/29/19 13:45	1
1,2-Dichloroethane-d4 (Surr)	83		73 - 131		11/29/19 13:45	1
Toluene-d8 (Surr)	109		80 - 120		11/29/19 13:45	1

Lab Sample ID: LCS 680-598444/1004

Matrix: Water

Analysis Batch: 598444

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	70 - 135
Acrylonitrile	500	478		ug/L		96	80 - 123
Benzene	50.0	49.0		ug/L		98	80 - 120
Bromochloromethane	50.0	54.2		ug/L		108	80 - 120
Bromodichloromethane	50.0	47.6		ug/L		95	80 - 120
Bromoform	50.0	46.0		ug/L		92	74 - 126
Bromomethane	50.1	86.8	*	ug/L		173	62 - 130
2-Butanone (MEK)	250	219		ug/L		88	80 - 131
Carbon disulfide	50.0	49.2		ug/L		98	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-598444/1004

Matrix: Water

Analysis Batch: 598444

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	50.8		ug/L		102	76 - 123
Chlorobenzene	50.0	55.5		ug/L		111	80 - 120
Chloroethane	50.0	55.2		ug/L		110	66 - 135
Chloroform	50.0	49.6		ug/L		99	80 - 120
Chloromethane	50.0	48.5		ug/L		97	69 - 131
cis-1,2-Dichloroethene	50.0	45.7		ug/L		91	80 - 120
cis-1,3-Dichloropropene	50.0	51.3		ug/L		103	80 - 120
Dibromochloromethane	50.0	49.3		ug/L		99	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	41.1		ug/L		82	71 - 134
1,2-Dibromoethane	50.0	51.8		ug/L		104	80 - 120
Dibromomethane	50.0	44.6		ug/L		89	80 - 120
1,2-Dichlorobenzene	50.0	52.1		ug/L		104	80 - 120
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	80 - 120
1,1-Dichloroethane	50.0	51.9		ug/L		104	80 - 120
1,2-Dichloroethane	50.0	46.4		ug/L		93	80 - 120
1,1-Dichloroethene	50.0	52.4		ug/L		105	76 - 120
1,2-Dichloropropane	50.0	46.6		ug/L		93	80 - 120
1,3-Dichloropropane	50.0	51.0		ug/L		102	80 - 120
Ethylbenzene	50.0	56.3		ug/L		113	80 - 120
2-Hexanone	250	206		ug/L		82	74 - 127
Iodomethane	50.0	46.4		ug/L		93	52 - 142
Methylene Chloride	50.0	49.6		ug/L		99	80 - 120
4-Methyl-2-pentanone (MIBK)	250	217		ug/L		87	76 - 124
Methyl tert-butyl ether	50.0	45.4		ug/L		91	80 - 120
Styrene	50.0	47.9		ug/L		96	80 - 120
1,1,1,2-Tetrachloroethane	50.0	55.1		ug/L		110	80 - 121
1,1,1,2,2-Tetrachloroethane	50.0	47.0		ug/L		94	80 - 120
Tetrachloroethylene	50.0	52.9		ug/L		106	80 - 121
Toluene	50.0	54.4		ug/L		109	80 - 113
trans-1,4-Dichloro-2-butene	50.0	37.3		ug/L		75	68 - 125
trans-1,2-Dichloroethene	50.0	53.1		ug/L		106	80 - 120
trans-1,3-Dichloropropene	50.0	44.4		ug/L		89	80 - 120
1,1,1-Trichloroethane	50.0	50.7		ug/L		101	80 - 120
1,1,2-Trichloroethane	50.0	46.0		ug/L		92	80 - 120
Trichloroethene	50.0	54.2		ug/L		108	80 - 120
Trichlorofluoromethane	50.0	53.1		ug/L		106	60 - 141
1,2,3-Trichloropropane	50.0	46.1		ug/L		92	80 - 123
Vinyl acetate	100	114		ug/L		114	67 - 135
Vinyl chloride	50.1	56.9		ug/L		114	71 - 128
Xylenes, Total	100	102		ug/L		102	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	84		80 - 120
Dibromofluoromethane (Surr)	109		80 - 122
1,2-Dichloroethane-d4 (Surr)	82		73 - 131
Toluene-d8 (Surr)	111		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-598444/5

Matrix: Water

Analysis Batch: 598444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	220		ug/L		88	70 - 135	11	30
Acrylonitrile	500	470		ug/L		94	80 - 123	2	20
Benzene	50.0	47.1		ug/L		94	80 - 120	4	20
Bromochloromethane	50.0	53.9		ug/L		108	80 - 120	0	20
Bromodichloromethane	50.0	48.5		ug/L		97	80 - 120	2	20
Bromoform	50.0	45.1		ug/L		90	74 - 126	2	20
Bromomethane	50.1	71.5	*	ug/L		143	62 - 130	19	20
2-Butanone (MEK)	250	226		ug/L		91	80 - 131	3	20
Carbon disulfide	50.0	55.4		ug/L		111	80 - 120	12	20
Carbon tetrachloride	50.0	48.7		ug/L		97	76 - 123	4	20
Chlorobenzene	50.0	54.6		ug/L		109	80 - 120	2	20
Chloroethane	50.0	49.3		ug/L		99	66 - 135	11	20
Chloroform	50.0	50.3		ug/L		101	80 - 120	1	20
Chloromethane	50.0	43.0		ug/L		86	69 - 131	12	30
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	80 - 120	5	20
cis-1,3-Dichloropropene	50.0	51.8		ug/L		104	80 - 120	1	20
Dibromochloromethane	50.0	49.2		ug/L		98	80 - 121	0	20
1,2-Dibromo-3-Chloropropane	50.0	42.0		ug/L		84	71 - 134	2	20
1,2-Dibromoethane	50.0	51.3		ug/L		103	80 - 120	1	20
Dibromomethane	50.0	47.3		ug/L		95	80 - 120	6	20
1,2-Dichlorobenzene	50.0	53.1		ug/L		106	80 - 120	2	20
1,4-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120	1	20
1,1-Dichloroethane	50.0	51.7		ug/L		103	80 - 120	0	20
1,2-Dichloroethane	50.0	40.8		ug/L		82	80 - 120	13	50
1,1-Dichloroethene	50.0	52.5		ug/L		105	76 - 120	0	20
1,2-Dichloropropane	50.0	52.2		ug/L		104	80 - 120	11	20
1,3-Dichloropropane	50.0	51.2		ug/L		102	80 - 120	1	20
Ethylbenzene	50.0	49.1		ug/L		98	80 - 120	14	20
2-Hexanone	250	213		ug/L		85	74 - 127	3	20
Iodomethane	50.0	50.7		ug/L		101	52 - 142	9	30
Methylene Chloride	50.0	49.5		ug/L		99	80 - 120	0	20
4-Methyl-2-pentanone (MIBK)	250	214		ug/L		86	76 - 124	1	20
Methyl tert-butyl ether	50.0	45.9		ug/L		92	80 - 120	1	20
Styrene	50.0	46.4		ug/L		93	80 - 120	3	20
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	80 - 121	16	20
1,1,2,2-Tetrachloroethane	50.0	50.3		ug/L		101	80 - 120	7	20
Tetrachloroethylene	50.0	55.1		ug/L		110	80 - 121	4	20
Toluene	50.0	48.0		ug/L		96	80 - 113	12	20
trans-1,4-Dichloro-2-butene	50.0	41.9		ug/L		84	68 - 125	12	30
trans-1,2-Dichloroethene	50.0	52.4		ug/L		105	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	45.6		ug/L		91	80 - 120	3	30
1,1,1-Trichloroethane	50.0	49.7		ug/L		99	80 - 120	2	20
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	80 - 120	10	20
Trichloroethene	50.0	54.2		ug/L		108	80 - 120	0	20
Trichlorofluoromethane	50.0	49.9		ug/L		100	60 - 141	6	20
1,2,3-Trichloropropane	50.0	47.7		ug/L		95	80 - 123	4	30
Vinyl acetate	100	112		ug/L		112	67 - 135	1	20
Vinyl chloride	50.1	49.0		ug/L		98	71 - 128	15	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-598444/5

Matrix: Water

Analysis Batch: 598444

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	100	92.1		ug/L		92	80 - 120	10	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	85		80 - 120						
Dibromofluoromethane (Surr)	107		80 - 122						
1,2-Dichloroethane-d4 (Surr)	78		73 - 131						
Toluene-d8 (Surr)	109		80 - 120						

Lab Sample ID: MB 680-598603/7

Matrix: Water

Analysis Batch: 598603

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			12/01/19 20:12	1
Acrylonitrile	10	U	20	10	ug/L			12/01/19 20:12	1
Benzene	0.43	U	1.0	0.43	ug/L			12/01/19 20:12	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/01/19 20:12	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/01/19 20:12	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/01/19 20:12	1
Bromomethane	2.69	J	5.0	2.5	ug/L			12/01/19 20:12	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/01/19 20:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/01/19 20:12	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/01/19 20:12	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/01/19 20:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/01/19 20:12	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/01/19 20:12	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/01/19 20:12	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/01/19 20:12	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/01/19 20:12	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/01/19 20:12	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/01/19 20:12	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/01/19 20:12	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/01/19 20:12	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/01/19 20:12	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/01/19 20:12	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/01/19 20:12	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/01/19 20:12	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/01/19 20:12	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/01/19 20:12	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/01/19 20:12	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/01/19 20:12	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/01/19 20:12	1
Iodomethane	5.0	U	10	5.0	ug/L			12/01/19 20:12	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/01/19 20:12	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/01/19 20:12	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/01/19 20:12	1
Styrene	0.27	U	1.0	0.27	ug/L			12/01/19 20:12	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/01/19 20:12	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-598603/7

Matrix: Water

Analysis Batch: 598603

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			12/01/19 20:12	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/01/19 20:12	1
Toluene	0.48	U	1.0	0.48	ug/L			12/01/19 20:12	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/01/19 20:12	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/01/19 20:12	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/01/19 20:12	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/01/19 20:12	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/01/19 20:12	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/01/19 20:12	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/01/19 20:12	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/01/19 20:12	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/01/19 20:12	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/01/19 20:12	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/01/19 20:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		80 - 120		12/01/19 20:12	1
Dibromofluoromethane (Surr)	110		80 - 122		12/01/19 20:12	1
1,2-Dichloroethane-d4 (Surr)	83		73 - 131		12/01/19 20:12	1
Toluene-d8 (Surr)	112		80 - 120		12/01/19 20:12	1

Lab Sample ID: LCS 680-598603/1003

Matrix: Water

Analysis Batch: 598603

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	176		ug/L		71	70 - 135
Acrylonitrile	500	385	*	ug/L		77	80 - 123
Benzene	50.0	50.8		ug/L		102	80 - 120
Bromochloromethane	50.0	53.8		ug/L		108	80 - 120
Bromodichloromethane	50.0	41.3		ug/L		83	80 - 120
Bromoform	50.0	54.5		ug/L		109	74 - 126
Bromomethane	50.1	83.2	*	ug/L		166	62 - 130
2-Butanone (MEK)	250	207		ug/L		83	80 - 131
Carbon disulfide	50.0	45.4		ug/L		91	80 - 120
Carbon tetrachloride	50.0	48.6		ug/L		97	76 - 123
Chlorobenzene	50.0	57.1		ug/L		114	80 - 120
Chloroethane	50.0	41.9		ug/L		84	66 - 135
Chloroform	50.0	47.5		ug/L		95	80 - 120
Chloromethane	50.0	38.8		ug/L		77	69 - 131
cis-1,2-Dichloroethene	50.0	42.4		ug/L		85	80 - 120
cis-1,3-Dichloropropene	50.0	49.0		ug/L		98	80 - 120
Dibromochloromethane	50.0	44.0		ug/L		88	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	40.6		ug/L		81	71 - 134
1,2-Dibromoethane	50.0	45.7		ug/L		91	80 - 120
Dibromomethane	50.0	48.1		ug/L		96	80 - 120
1,2-Dichlorobenzene	50.0	52.4		ug/L		105	80 - 120
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-598603/1003

Matrix: Water

Analysis Batch: 598603

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	43.0		ug/L		86	80 - 120
1,2-Dichloroethane	50.0	42.7		ug/L		85	80 - 120
1,1-Dichloroethene	50.0	46.1		ug/L		92	76 - 120
1,2-Dichloropropane	50.0	49.1		ug/L		98	80 - 120
1,3-Dichloropropane	50.0	42.8		ug/L		86	80 - 120
Ethylbenzene	50.0	56.4		ug/L		113	80 - 120
2-Hexanone	250	159	*	ug/L		64	74 - 127
Iodomethane	50.0	45.6		ug/L		91	52 - 142
Methylene Chloride	50.0	42.6		ug/L		85	80 - 120
4-Methyl-2-pentanone (MIBK)	250	191		ug/L		76	76 - 124
Methyl tert-butyl ether	50.0	38.9	*	ug/L		78	80 - 120
Styrene	50.0	57.7		ug/L		115	80 - 120
1,1,1,2-Tetrachloroethane	50.0	56.7		ug/L		113	80 - 121
1,1,2,2-Tetrachloroethane	50.0	53.9		ug/L		108	80 - 120
Tetrachloroethylene	50.0	51.8		ug/L		104	80 - 121
Toluene	50.0	53.2		ug/L		106	80 - 113
trans-1,4-Dichloro-2-butene	50.0	43.3		ug/L		87	68 - 125
trans-1,2-Dichloroethene	50.0	47.2		ug/L		94	80 - 120
trans-1,3-Dichloropropene	50.0	42.6		ug/L		85	80 - 120
1,1,1-Trichloroethane	50.0	47.7		ug/L		95	80 - 120
1,1,2-Trichloroethane	50.0	43.4		ug/L		87	80 - 120
Trichloroethene	50.0	53.5		ug/L		107	80 - 120
Trichlorofluoromethane	50.0	41.5		ug/L		83	60 - 141
1,2,3-Trichloropropane	50.0	52.3		ug/L		105	80 - 123
Vinyl acetate	100	88.9		ug/L		89	67 - 135
Vinyl chloride	50.1	46.2		ug/L		92	71 - 128
Xylenes, Total	100	114		ug/L		114	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	105		80 - 122
1,2-Dichloroethane-d4 (Surr)	83		73 - 131
Toluene-d8 (Surr)	117		80 - 120

Lab Sample ID: LCSD 680-598603/5

Matrix: Water

Analysis Batch: 598603

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	207		ug/L		83	70 - 135	16	30
Acrylonitrile	500	439		ug/L		88	80 - 123	13	20
Benzene	50.0	51.3		ug/L		103	80 - 120	1	20
Bromochloromethane	50.0	49.0		ug/L		98	80 - 120	9	20
Bromodichloromethane	50.0	39.1	*	ug/L		78	80 - 120	5	20
Bromoform	50.0	48.8		ug/L		98	74 - 126	11	20
Bromomethane	50.1	102	E *	ug/L		203	62 - 130	20	20
2-Butanone (MEK)	250	206		ug/L		82	80 - 131	0	20
Carbon disulfide	50.0	51.0		ug/L		102	80 - 120	11	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-598603/5

Matrix: Water

Analysis Batch: 598603

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	43.7		ug/L		87	76 - 123	11	20
Chlorobenzene	50.0	55.5		ug/L		111	80 - 120	3	20
Chloroethane	50.0	48.9		ug/L		98	66 - 135	15	20
Chloroform	50.0	41.4		ug/L		83	80 - 120	14	20
Chloromethane	50.0	41.8		ug/L		84	69 - 131	8	30
cis-1,2-Dichloroethene	50.0	45.1		ug/L		90	80 - 120	6	20
cis-1,3-Dichloropropene	50.0	44.1		ug/L		88	80 - 120	11	20
Dibromochloromethane	50.0	49.0		ug/L		98	80 - 121	11	20
1,2-Dibromo-3-Chloropropane	50.0	43.7		ug/L		87	71 - 134	7	20
1,2-Dibromoethane	50.0	50.3		ug/L		101	80 - 120	10	20
Dibromomethane	50.0	41.3		ug/L		83	80 - 120	15	20
1,2-Dichlorobenzene	50.0	51.0		ug/L		102	80 - 120	3	20
1,4-Dichlorobenzene	50.0	51.2		ug/L		102	80 - 120	0	20
1,1-Dichloroethane	50.0	49.3		ug/L		99	80 - 120	14	20
1,2-Dichloroethane	50.0	43.9		ug/L		88	80 - 120	3	50
1,1-Dichloroethene	50.0	50.8		ug/L		102	76 - 120	10	20
1,2-Dichloropropane	50.0	42.8		ug/L		86	80 - 120	14	20
1,3-Dichloropropane	50.0	49.4		ug/L		99	80 - 120	14	20
Ethylbenzene	50.0	55.2		ug/L		110	80 - 120	2	20
2-Hexanone	250	190		ug/L		76	74 - 127	17	20
Iodomethane	50.0	50.5		ug/L		101	52 - 142	10	30
Methylene Chloride	50.0	48.2		ug/L		96	80 - 120	12	20
4-Methyl-2-pentanone (MIBK)	250	171 *		ug/L		68	76 - 124	11	20
Methyl tert-butyl ether	50.0	44.9		ug/L		90	80 - 120	14	20
Styrene	50.0	52.9		ug/L		106	80 - 120	9	20
1,1,1,2-Tetrachloroethane	50.0	54.6		ug/L		109	80 - 121	4	20
1,1,2,2-Tetrachloroethane	50.0	49.8		ug/L		100	80 - 120	8	20
Tetrachloroethylene	50.0	54.0		ug/L		108	80 - 121	4	20
Toluene	50.0	49.1		ug/L		98	80 - 113	8	20
trans-1,4-Dichloro-2-butene	50.0	38.3		ug/L		77	68 - 125	12	30
trans-1,2-Dichloroethene	50.0	52.1		ug/L		104	80 - 120	10	20
trans-1,3-Dichloropropene	50.0	48.1		ug/L		96	80 - 120	12	30
1,1,1-Trichloroethane	50.0	41.4		ug/L		83	80 - 120	14	20
1,1,2-Trichloroethane	50.0	48.7		ug/L		97	80 - 120	12	20
Trichloroethene	50.0	49.3		ug/L		99	80 - 120	8	20
Trichlorofluoromethane	50.0	48.5		ug/L		97	60 - 141	15	20
1,2,3-Trichloropropane	50.0	47.5		ug/L		95	80 - 123	9	30
Vinyl acetate	100	102		ug/L		102	67 - 135	14	20
Vinyl chloride	50.1	50.1		ug/L		100	71 - 128	8	20
Xylenes, Total	100	107		ug/L		107	80 - 120	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	93		80 - 122
1,2-Dichloroethane-d4 (Surr)	84		73 - 131
Toluene-d8 (Surr)	100		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-598846/9

Matrix: Water

Analysis Batch: 598846

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			12/03/19 14:18	1
Acrylonitrile	10	U	20	10	ug/L			12/03/19 14:18	1
Benzene	0.43	U	1.0	0.43	ug/L			12/03/19 14:18	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/03/19 14:18	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/03/19 14:18	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/03/19 14:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/03/19 14:18	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/03/19 14:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/03/19 14:18	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/03/19 14:18	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/03/19 14:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/03/19 14:18	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/03/19 14:18	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/03/19 14:18	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/03/19 14:18	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/03/19 14:18	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/03/19 14:18	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/03/19 14:18	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/03/19 14:18	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/03/19 14:18	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/03/19 14:18	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/03/19 14:18	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/03/19 14:18	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/03/19 14:18	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/03/19 14:18	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/03/19 14:18	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/03/19 14:18	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/03/19 14:18	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/03/19 14:18	1
Iodomethane	5.0	U	10	5.0	ug/L			12/03/19 14:18	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/03/19 14:18	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/03/19 14:18	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/03/19 14:18	1
Styrene	0.27	U	1.0	0.27	ug/L			12/03/19 14:18	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 14:18	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/03/19 14:18	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/03/19 14:18	1
Toluene	0.48	U	1.0	0.48	ug/L			12/03/19 14:18	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/03/19 14:18	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/03/19 14:18	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/03/19 14:18	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/03/19 14:18	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/03/19 14:18	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/03/19 14:18	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/03/19 14:18	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/03/19 14:18	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/03/19 14:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/03/19 14:18	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-598846/9

Matrix: Water

Analysis Batch: 598846

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/03/19 14:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120					12/03/19 14:18	1
Dibromofluoromethane (Surr)	99		80 - 122					12/03/19 14:18	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131					12/03/19 14:18	1
Toluene-d8 (Surr)	100		80 - 120					12/03/19 14:18	1

Lab Sample ID: LCS 680-598846/4

Matrix: Water

Analysis Batch: 598846

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	70 - 135
Acrylonitrile	500	493		ug/L		99	80 - 123
Benzene	50.0	50.9		ug/L		102	80 - 120
Bromochloromethane	50.0	46.7		ug/L		93	80 - 120
Bromodichloromethane	50.0	50.9		ug/L		102	80 - 120
Bromoform	50.0	49.3		ug/L		99	74 - 126
Bromomethane	50.1	43.5		ug/L		87	62 - 130
2-Butanone (MEK)	250	234		ug/L		94	80 - 131
Carbon disulfide	50.0	53.3		ug/L		107	80 - 120
Carbon tetrachloride	50.0	53.1		ug/L		106	76 - 123
Chlorobenzene	50.0	48.2		ug/L		96	80 - 120
Chloroethane	50.0	49.9		ug/L		100	66 - 135
Chloroform	50.0	49.5		ug/L		99	80 - 120
Chloromethane	50.0	50.3		ug/L		101	69 - 131
cis-1,2-Dichloroethene	50.0	51.7		ug/L		103	80 - 120
cis-1,3-Dichloropropene	50.0	52.8		ug/L		106	80 - 120
Dibromochloromethane	50.0	48.7		ug/L		97	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	52.4		ug/L		105	71 - 134
1,2-Dibromoethane	50.0	47.7		ug/L		95	80 - 120
Dibromomethane	50.0	47.9		ug/L		96	80 - 120
1,2-Dichlorobenzene	50.0	48.4		ug/L		97	80 - 120
1,4-Dichlorobenzene	50.0	48.7		ug/L		97	80 - 120
1,1-Dichloroethane	50.0	52.0		ug/L		104	80 - 120
1,2-Dichloroethane	50.0	48.6		ug/L		97	80 - 120
1,1-Dichloroethene	50.0	52.7		ug/L		105	76 - 120
1,2-Dichloropropane	50.0	51.5		ug/L		103	80 - 120
1,3-Dichloropropane	50.0	47.9		ug/L		96	80 - 120
Ethylbenzene	50.0	50.7		ug/L		101	80 - 120
2-Hexanone	250	250		ug/L		100	74 - 127
Iodomethane	50.0	40.5		ug/L		81	52 - 142
Methylene Chloride	50.0	46.6		ug/L		93	80 - 120
4-Methyl-2-pentanone (MIBK)	250	250		ug/L		100	76 - 124
Methyl tert-butyl ether	50.0	49.5		ug/L		99	80 - 120
Styrene	50.0	49.9		ug/L		100	80 - 120
1,1,1,2-Tetrachloroethane	50.0	48.3		ug/L		97	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-598846/4

Matrix: Water

Analysis Batch: 598846

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	46.6		ug/L		93	80 - 120
Tetrachloroethylene	50.0	50.2		ug/L		100	80 - 121
Toluene	50.0	50.6		ug/L		101	80 - 113
trans-1,4-Dichloro-2-butene	50.0	51.6		ug/L		103	68 - 125
trans-1,2-Dichloroethene	50.0	50.7		ug/L		101	80 - 120
trans-1,3-Dichloropropene	50.0	50.0		ug/L		100	80 - 120
1,1,1-Trichloroethane	50.0	52.3		ug/L		105	80 - 120
1,1,2-Trichloroethane	50.0	47.5		ug/L		95	80 - 120
Trichloroethene	50.0	49.5		ug/L		99	80 - 120
Trichlorofluoromethane	50.0	52.9		ug/L		106	60 - 141
1,2,3-Trichloropropane	50.0	45.3		ug/L		91	80 - 123
Vinyl acetate	100	113		ug/L		113	67 - 135
Vinyl chloride	50.1	53.4		ug/L		107	71 - 128
Xylenes, Total	100	101		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	97		80 - 122
1,2-Dichloroethane-d4 (Surr)	95		73 - 131
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 680-598846/5

Matrix: Water

Analysis Batch: 598846

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	254		ug/L		102	70 - 135	5	30
Acrylonitrile	500	519		ug/L		104	80 - 123	5	20
Benzene	50.0	51.3		ug/L		103	80 - 120	1	20
Bromochloromethane	50.0	47.9		ug/L		96	80 - 120	3	20
Bromodichloromethane	50.0	51.3		ug/L		103	80 - 120	1	20
Bromoform	50.0	51.1		ug/L		102	74 - 126	4	20
Bromomethane	50.1	44.7		ug/L		89	62 - 130	3	20
2-Butanone (MEK)	250	245		ug/L		98	80 - 131	5	20
Carbon disulfide	50.0	52.4		ug/L		105	80 - 120	2	20
Carbon tetrachloride	50.0	52.5		ug/L		105	76 - 123	1	20
Chlorobenzene	50.0	48.2		ug/L		96	80 - 120	0	20
Chloroethane	50.0	49.3		ug/L		99	66 - 135	1	20
Chloroform	50.0	49.8		ug/L		100	80 - 120	1	20
Chloromethane	50.0	49.5		ug/L		99	69 - 131	2	30
cis-1,2-Dichloroethene	50.0	51.8		ug/L		104	80 - 120	0	20
cis-1,3-Dichloropropene	50.0	53.5		ug/L		107	80 - 120	1	20
Dibromochloromethane	50.0	50.7		ug/L		101	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	53.8		ug/L		108	71 - 134	3	20
1,2-Dibromoethane	50.0	49.2		ug/L		98	80 - 120	3	20
Dibromomethane	50.0	49.5		ug/L		99	80 - 120	3	20
1,2-Dichlorobenzene	50.0	49.1		ug/L		98	80 - 120	1	20
1,4-Dichlorobenzene	50.0	49.0		ug/L		98	80 - 120	1	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-598846/5

Matrix: Water

Analysis Batch: 598846

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	51.9		ug/L		104	80 - 120	0	20
1,2-Dichloroethane	50.0	49.3		ug/L		99	80 - 120	1	50
1,1-Dichloroethene	50.0	52.5		ug/L		105	76 - 120	0	20
1,2-Dichloropropane	50.0	52.4		ug/L		105	80 - 120	2	20
1,3-Dichloropropane	50.0	49.1		ug/L		98	80 - 120	2	20
Ethylbenzene	50.0	51.0		ug/L		102	80 - 120	1	20
2-Hexanone	250	262		ug/L		105	74 - 127	5	20
Iodomethane	50.0	39.4		ug/L		79	52 - 142	3	30
Methylene Chloride	50.0	47.6		ug/L		95	80 - 120	2	20
4-Methyl-2-pentanone (MIBK)	250	261		ug/L		104	76 - 124	4	20
Methyl tert-butyl ether	50.0	51.1		ug/L		102	80 - 120	3	20
Styrene	50.0	50.3		ug/L		101	80 - 120	1	20
1,1,1,2-Tetrachloroethane	50.0	49.3		ug/L		99	80 - 121	2	20
1,1,2,2-Tetrachloroethane	50.0	48.4		ug/L		97	80 - 120	4	20
Tetrachloroethylene	50.0	50.6		ug/L		101	80 - 121	1	20
Toluene	50.0	50.6		ug/L		101	80 - 113	0	20
trans-1,4-Dichloro-2-butene	50.0	53.7		ug/L		107	68 - 125	4	30
trans-1,2-Dichloroethene	50.0	50.1		ug/L		100	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	51.9		ug/L		104	80 - 120	4	30
1,1,1-Trichloroethane	50.0	51.3		ug/L		103	80 - 120	2	20
1,1,2-Trichloroethane	50.0	49.4		ug/L		99	80 - 120	4	20
Trichloroethene	50.0	49.5		ug/L		99	80 - 120	0	20
Trichlorofluoromethane	50.0	52.2		ug/L		104	60 - 141	1	20
1,2,3-Trichloropropane	50.0	45.5		ug/L		91	80 - 123	1	30
Vinyl acetate	100	116		ug/L		116	67 - 135	3	20
Vinyl chloride	50.1	52.5		ug/L		105	71 - 128	2	20
Xylenes, Total	100	101		ug/L		101	80 - 120	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 680-598992/9

Matrix: Water

Analysis Batch: 598992

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			12/04/19 13:51	1
Acrylonitrile	10	U	20	10	ug/L			12/04/19 13:51	1
Benzene	0.43	U	1.0	0.43	ug/L			12/04/19 13:51	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/04/19 13:51	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/04/19 13:51	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/04/19 13:51	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/04/19 13:51	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/04/19 13:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/04/19 13:51	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-598992/9

Matrix: Water

Analysis Batch: 598992

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			12/04/19 13:51	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/04/19 13:51	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/04/19 13:51	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/04/19 13:51	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/04/19 13:51	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/04/19 13:51	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/04/19 13:51	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/04/19 13:51	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/04/19 13:51	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/04/19 13:51	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/04/19 13:51	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/04/19 13:51	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/04/19 13:51	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/04/19 13:51	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/04/19 13:51	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/04/19 13:51	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/04/19 13:51	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/04/19 13:51	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/04/19 13:51	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/04/19 13:51	1
Iodomethane	5.0	U	10	5.0	ug/L			12/04/19 13:51	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/04/19 13:51	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/04/19 13:51	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/04/19 13:51	1
Styrene	0.27	U	1.0	0.27	ug/L			12/04/19 13:51	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 13:51	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/04/19 13:51	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/04/19 13:51	1
Toluene	0.48	U	1.0	0.48	ug/L			12/04/19 13:51	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/04/19 13:51	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/04/19 13:51	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/04/19 13:51	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/04/19 13:51	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/04/19 13:51	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/04/19 13:51	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/04/19 13:51	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/04/19 13:51	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/04/19 13:51	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/04/19 13:51	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/04/19 13:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120		12/04/19 13:51	1
Dibromofluoromethane (Surr)	106		80 - 122		12/04/19 13:51	1
1,2-Dichloroethane-d4 (Surr)	91		73 - 131		12/04/19 13:51	1
Toluene-d8 (Surr)	100		80 - 120		12/04/19 13:51	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-598992/3

Matrix: Water

Analysis Batch: 598992

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	259		ug/L		104	70 - 135
Acrylonitrile	500	533		ug/L		107	80 - 123
Benzene	50.0	51.3		ug/L		103	80 - 120
Bromochloromethane	50.0	53.5		ug/L		107	80 - 120
Bromodichloromethane	50.0	49.8		ug/L		100	80 - 120
Bromoform	50.0	51.4		ug/L		103	74 - 126
Bromomethane	50.1	59.1		ug/L		118	62 - 130
2-Butanone (MEK)	250	248		ug/L		99	80 - 131
Carbon disulfide	50.0	54.8		ug/L		110	80 - 120
Carbon tetrachloride	50.0	50.5		ug/L		101	76 - 123
Chlorobenzene	50.0	51.7		ug/L		103	80 - 120
Chloroethane	50.0	52.6		ug/L		105	66 - 135
Chloroform	50.0	53.4		ug/L		107	80 - 120
Chloromethane	50.0	49.3		ug/L		99	69 - 131
cis-1,2-Dichloroethene	50.0	54.3		ug/L		109	80 - 120
cis-1,3-Dichloropropene	50.0	50.4		ug/L		101	80 - 120
Dibromochloromethane	50.0	50.6		ug/L		101	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	49.6		ug/L		99	71 - 134
1,2-Dibromoethane	50.0	51.2		ug/L		102	80 - 120
Dibromomethane	50.0	53.7		ug/L		107	80 - 120
1,2-Dichlorobenzene	50.0	52.9		ug/L		106	80 - 120
1,4-Dichlorobenzene	50.0	50.7		ug/L		101	80 - 120
1,1-Dichloroethane	50.0	53.8		ug/L		108	80 - 120
1,2-Dichloroethane	50.0	53.0		ug/L		106	80 - 120
1,1-Dichloroethene	50.0	55.0		ug/L		110	76 - 120
1,2-Dichloropropane	50.0	53.0		ug/L		106	80 - 120
1,3-Dichloropropane	50.0	49.7		ug/L		99	80 - 120
Ethylbenzene	50.0	52.1		ug/L		104	80 - 120
2-Hexanone	250	264		ug/L		106	74 - 127
Iodomethane	50.0	46.5		ug/L		93	52 - 142
Methylene Chloride	50.0	51.1		ug/L		102	80 - 120
4-Methyl-2-pentanone (MIBK)	250	263		ug/L		105	76 - 124
Methyl tert-butyl ether	50.0	52.2		ug/L		104	80 - 120
Styrene	50.0	54.7		ug/L		109	80 - 120
1,1,1,2-Tetrachloroethane	50.0	52.5		ug/L		105	80 - 121
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/L		106	80 - 120
Tetrachloroethylene	50.0	51.9		ug/L		104	80 - 121
Toluene	50.0	52.8		ug/L		106	80 - 113
trans-1,4-Dichloro-2-butene	50.0	49.5		ug/L		99	68 - 125
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	80 - 120
trans-1,3-Dichloropropene	50.0	50.7		ug/L		101	80 - 120
1,1,1-Trichloroethane	50.0	49.7		ug/L		99	80 - 120
1,1,2-Trichloroethane	50.0	50.1		ug/L		100	80 - 120
Trichloroethene	50.0	52.7		ug/L		105	80 - 120
Trichlorofluoromethane	50.0	52.4		ug/L		105	60 - 141
1,2,3-Trichloropropane	50.0	51.7		ug/L		103	80 - 123
Vinyl acetate	100	115		ug/L		115	67 - 135
Vinyl chloride	50.1	53.9		ug/L		108	71 - 128

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-598992/3

Matrix: Water

Analysis Batch: 598992

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	100	106		ug/L		106	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	105		80 - 122
1,2-Dichloroethane-d4 (Surr)	101		73 - 131
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 680-598992/4

Matrix: Water

Analysis Batch: 598992

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	254		ug/L		101	70 - 135	2	30
Acrylonitrile	500	522		ug/L		104	80 - 123	2	20
Benzene	50.0	51.9		ug/L		104	80 - 120	1	20
Bromochloromethane	50.0	51.4		ug/L		103	80 - 120	4	20
Bromodichloromethane	50.0	50.6		ug/L		101	80 - 120	1	20
Bromoform	50.0	50.6		ug/L		101	74 - 126	2	20
Bromomethane	50.1	57.9		ug/L		116	62 - 130	2	20
2-Butanone (MEK)	250	251		ug/L		101	80 - 131	1	20
Carbon disulfide	50.0	52.7		ug/L		105	80 - 120	4	20
Carbon tetrachloride	50.0	51.1		ug/L		102	76 - 123	1	20
Chlorobenzene	50.0	51.1		ug/L		102	80 - 120	1	20
Chloroethane	50.0	51.7		ug/L		103	66 - 135	2	20
Chloroform	50.0	54.3		ug/L		109	80 - 120	2	20
Chloromethane	50.0	47.5		ug/L		95	69 - 131	4	30
cis-1,2-Dichloroethene	50.0	55.5		ug/L		111	80 - 120	2	20
cis-1,3-Dichloropropene	50.0	49.8		ug/L		100	80 - 120	1	20
Dibromochloromethane	50.0	50.0		ug/L		100	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	50.9		ug/L		102	71 - 134	3	20
1,2-Dibromoethane	50.0	49.9		ug/L		100	80 - 120	3	20
Dibromomethane	50.0	53.4		ug/L		107	80 - 120	1	20
1,2-Dichlorobenzene	50.0	52.5		ug/L		105	80 - 120	1	20
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	80 - 120	1	20
1,1-Dichloroethane	50.0	53.5		ug/L		107	80 - 120	1	20
1,2-Dichloroethane	50.0	54.3		ug/L		109	80 - 120	2	50
1,1-Dichloroethene	50.0	53.1		ug/L		106	76 - 120	4	20
1,2-Dichloropropane	50.0	53.1		ug/L		106	80 - 120	0	20
1,3-Dichloropropane	50.0	48.7		ug/L		97	80 - 120	2	20
Ethylbenzene	50.0	51.6		ug/L		103	80 - 120	1	20
2-Hexanone	250	263		ug/L		105	74 - 127	0	20
Iodomethane	50.0	45.5		ug/L		91	52 - 142	2	30
Methylene Chloride	50.0	49.1		ug/L		98	80 - 120	4	20
4-Methyl-2-pentanone (MIBK)	250	260		ug/L		104	76 - 124	1	20
Methyl tert-butyl ether	50.0	50.2		ug/L		100	80 - 120	4	20
Styrene	50.0	53.1		ug/L		106	80 - 120	3	20
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/L		103	80 - 121	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-598992/4

Matrix: Water

Analysis Batch: 598992

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	52.3		ug/L		105	80 - 120	1	20
Tetrachloroethylene	50.0	52.2		ug/L		104	80 - 121	1	20
Toluene	50.0	52.0		ug/L		104	80 - 113	2	20
trans-1,4-Dichloro-2-butene	50.0	48.8		ug/L		98	68 - 125	1	30
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	80 - 120	3	20
trans-1,3-Dichloropropene	50.0	49.9		ug/L		100	80 - 120	2	30
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	80 - 120	2	20
1,1,2-Trichloroethane	50.0	49.5		ug/L		99	80 - 120	1	20
Trichloroethene	50.0	53.0		ug/L		106	80 - 120	1	20
Trichlorofluoromethane	50.0	53.9		ug/L		108	60 - 141	3	20
1,2,3-Trichloropropane	50.0	52.0		ug/L		104	80 - 123	1	30
Vinyl acetate	100	109		ug/L		109	67 - 135	5	20
Vinyl chloride	50.1	52.2		ug/L		104	71 - 128	3	20
Xylenes, Total	100	103		ug/L		103	80 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	106		80 - 122
1,2-Dichloroethane-d4 (Surr)	101		73 - 131
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: 680-177221-22 MS

Matrix: Water

Analysis Batch: 598992

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	268		ug/L		107	60 - 154
Acrylonitrile	10	U	500	511		ug/L		102	72 - 132
Benzene	0.43	U	50.0	53.9		ug/L		108	73 - 131
Bromochloromethane	0.45	U	50.0	49.4		ug/L		99	77 - 122
Bromodichloromethane	0.44	U	50.0	52.9		ug/L		106	77 - 129
Bromoform	0.43	U	50.0	52.2		ug/L		104	69 - 135
Bromomethane	2.5	U	50.1	47.6		ug/L		95	20 - 180
2-Butanone (MEK)	3.4	U	250	270		ug/L		108	75 - 133
Carbon disulfide	1.0	U	50.0	52.4		ug/L		105	73 - 127
Carbon tetrachloride	0.33	U	50.0	55.5		ug/L		111	75 - 130
Chlorobenzene	0.26	U	50.0	51.8		ug/L		104	80 - 120
Chloroethane	2.5	U	50.0	50.5		ug/L		101	50 - 151
Chloroform	0.50	U	50.0	56.0		ug/L		112	79 - 122
Chloromethane	0.40	U	50.0	49.6		ug/L		99	63 - 126
cis-1,2-Dichloroethene	6.1		50.0	63.4		ug/L		114	80 - 122
cis-1,3-Dichloropropene	0.40	U	50.0	51.2		ug/L		102	80 - 133
Dibromochloromethane	0.32	U	50.0	51.1		ug/L		102	71 - 136
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	56.2		ug/L		112	59 - 141
1,2-Dibromoethane	0.44	U	50.0	50.7		ug/L		101	77 - 131
Dibromomethane	0.35	U	50.0	55.5		ug/L		111	80 - 122
1,2-Dichlorobenzene	0.37	U	50.0	54.2		ug/L		108	80 - 120
1,4-Dichlorobenzene	0.46	U	50.0	53.5		ug/L		107	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: 680-177221-22 MS

Matrix: Water

Analysis Batch: 598992

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
1,1-Dichloroethane	0.38	U	50.0	54.6		ug/L		109	80 - 120
1,2-Dichloroethane	0.50	U	50.0	56.1		ug/L		112	75 - 130
1,1-Dichloroethene	0.36	U	50.0	53.3		ug/L		107	74 - 125
1,2-Dichloropropane	0.67	U	50.0	55.0		ug/L		110	80 - 123
1,3-Dichloropropane	0.34	U	50.0	49.4		ug/L		99	78 - 127
Ethylbenzene	0.33	U	50.0	51.9		ug/L		104	80 - 120
2-Hexanone	2.0	U	250	261		ug/L		104	70 - 141
Iodomethane	5.0	U	50.0	39.1		ug/L		78	15 - 162
Methylene Chloride	2.5	U	50.0	46.8		ug/L		94	76 - 129
4-Methyl-2-pentanone (MIBK)	2.1	U	250	260		ug/L		104	75 - 135
Methyl tert-butyl ether	0.30	U	50.0	52.4		ug/L		105	74 - 135
Styrene	0.27	U	50.0	52.3		ug/L		105	80 - 122
1,1,1,2-Tetrachloroethane	0.37	U	50.0	54.6		ug/L		109	80 - 120
1,1,2,2-Tetrachloroethane	67		50.0	123		ug/L		113	72 - 128
Tetrachloroethylene	0.74	U	50.0	54.2		ug/L		108	77 - 123
Toluene	0.48	U	50.0	52.1		ug/L		104	80 - 122
trans-1,4-Dichloro-2-butene	0.51	U	50.0	44.3		ug/L		89	55 - 147
trans-1,2-Dichloroethene	2.4		50.0	56.9		ug/L		109	78 - 123
trans-1,3-Dichloropropene	0.42	U	50.0	49.1		ug/L		98	74 - 140
1,1,1-Trichloroethane	0.37	U	50.0	54.8		ug/L		110	74 - 128
1,1,2-Trichloroethane	1.0		50.0	50.5		ug/L		99	79 - 125
Trichloroethene	34		50.0	93.2		ug/L		119	80 - 123
Trichlorofluoromethane	0.42	U	50.0	61.5		ug/L		123	58 - 145
1,2,3-Trichloropropane	0.39	U	50.0	54.6		ug/L		109	70 - 132
Vinyl acetate	0.81	U	100	108		ug/L		108	15 - 190
Vinyl chloride	0.50	U	50.1	55.3		ug/L		110	68 - 132
Xylenes, Total	0.23	U	100	103		ug/L		103	80 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	110		80 - 120						
Dibromofluoromethane (Surr)	106		80 - 122						
1,2-Dichloroethane-d4 (Surr)	107		73 - 131						
Toluene-d8 (Surr)	103		80 - 120						

Lab Sample ID: 680-177221-22 MSD

Matrix: Water

Analysis Batch: 598992

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	270		ug/L		108	60 - 154	0	30
Acrylonitrile	10	U	500	522		ug/L		104	72 - 132	2	20
Benzene	0.43	U	50.0	55.8		ug/L		112	73 - 131	3	20
Bromochloromethane	0.45	U	50.0	51.9		ug/L		104	77 - 122	5	20
Bromodichloromethane	0.44	U	50.0	54.9		ug/L		110	77 - 129	4	20
Bromoform	0.43	U	50.0	54.4		ug/L		109	69 - 135	4	20
Bromomethane	2.5	U	50.1	53.0		ug/L		106	20 - 180	11	20
2-Butanone (MEK)	3.4	U	250	272		ug/L		109	75 - 133	1	20
Carbon disulfide	1.0	U	50.0	54.0		ug/L		108	73 - 127	3	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: 680-177221-22 MSD

Matrix: Water

Analysis Batch: 598992

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
Carbon tetrachloride	0.33	U	50.0	57.0		ug/L		114	75 - 130	3	20
Chlorobenzene	0.26	U	50.0	53.9		ug/L		108	80 - 120	4	20
Chloroethane	2.5	U	50.0	53.9		ug/L		108	50 - 151	7	20
Chloroform	0.50	U	50.0	57.3		ug/L		115	79 - 122	2	20
Chloromethane	0.40	U	50.0	52.3		ug/L		105	63 - 126	5	30
cis-1,2-Dichloroethene	6.1		50.0	64.0		ug/L		116	80 - 122	1	20
cis-1,3-Dichloropropene	0.40	U	50.0	52.0		ug/L		104	80 - 133	2	20
Dibromochloromethane	0.32	U	50.0	52.4		ug/L		105	71 - 136	3	20
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	55.5		ug/L		111	59 - 141	1	20
1,2-Dibromoethane	0.44	U	50.0	52.6		ug/L		105	77 - 131	4	20
Dibromomethane	0.35	U	50.0	56.2		ug/L		112	80 - 122	1	20
1,2-Dichlorobenzene	0.37	U	50.0	54.7		ug/L		109	80 - 120	1	20
1,4-Dichlorobenzene	0.46	U	50.0	53.3		ug/L		107	80 - 120	0	20
1,1-Dichloroethane	0.38	U	50.0	57.1		ug/L		114	80 - 120	4	20
1,2-Dichloroethane	0.50	U	50.0	57.3		ug/L		115	75 - 130	2	50
1,1-Dichloroethene	0.36	U	50.0	59.3		ug/L		119	74 - 125	11	20
1,2-Dichloropropane	0.67	U	50.0	57.2		ug/L		114	80 - 123	4	20
1,3-Dichloropropane	0.34	U	50.0	50.7		ug/L		101	78 - 127	3	20
Ethylbenzene	0.33	U	50.0	53.4		ug/L		107	80 - 120	3	20
2-Hexanone	2.0	U	250	265		ug/L		106	70 - 141	2	20
Iodomethane	5.0	U	50.0	49.2		ug/L		98	15 - 162	23	30
Methylene Chloride	2.5	U	50.0	48.8		ug/L		98	76 - 129	4	20
4-Methyl-2-pentanone (MIBK)	2.1	U	250	261		ug/L		105	75 - 135	1	20
Methyl tert-butyl ether	0.30	U	50.0	54.0		ug/L		108	74 - 135	3	20
Styrene	0.27	U	50.0	54.2		ug/L		108	80 - 122	3	20
1,1,1,2-Tetrachloroethane	0.37	U	50.0	56.5		ug/L		113	80 - 120	3	20
1,1,2,2-Tetrachloroethane	67		50.0	117		ug/L		100	72 - 128	5	20
Tetrachloroethylene	0.74	U	50.0	53.8		ug/L		108	77 - 123	1	20
Toluene	0.48	U	50.0	54.7		ug/L		109	80 - 122	5	20
trans-1,4-Dichloro-2-butene	0.51	U	50.0	47.7		ug/L		95	55 - 147	7	30
trans-1,2-Dichloroethene	2.4		50.0	57.9		ug/L		111	78 - 123	2	20
trans-1,3-Dichloropropene	0.42	U	50.0	50.9		ug/L		102	74 - 140	3	30
1,1,1-Trichloroethane	0.37	U	50.0	56.1		ug/L		112	74 - 128	2	20
1,1,2-Trichloroethane	1.0		50.0	52.2		ug/L		102	79 - 125	3	20
Trichloroethene	34		50.0	89.6		ug/L		112	80 - 123	4	20
Trichlorofluoromethane	0.42	U	50.0	62.1		ug/L		124	58 - 145	1	20
1,2,3-Trichloropropane	0.39	U	50.0	54.7		ug/L		109	70 - 132	0	30
Vinyl acetate	0.81	U	100	104		ug/L		104	15 - 190	4	20
Vinyl chloride	0.50	U	50.1	57.3		ug/L		114	68 - 132	4	20
Xylenes, Total	0.23	U	100	107		ug/L		107	80 - 120	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		80 - 120
Dibromofluoromethane (Surr)	112		80 - 122
1,2-Dichloroethane-d4 (Surr)	108		73 - 131
Toluene-d8 (Surr)	106		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-599813/10

Matrix: Water

Analysis Batch: 599813

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			12/10/19 15:03	1
Acrylonitrile	10	U	20	10	ug/L			12/10/19 15:03	1
Benzene	0.43	U	1.0	0.43	ug/L			12/10/19 15:03	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			12/10/19 15:03	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			12/10/19 15:03	1
Bromoform	0.43	U	1.0	0.43	ug/L			12/10/19 15:03	1
Bromomethane	2.5	U	5.0	2.5	ug/L			12/10/19 15:03	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			12/10/19 15:03	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			12/10/19 15:03	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			12/10/19 15:03	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			12/10/19 15:03	1
Chloroethane	2.5	U	5.0	2.5	ug/L			12/10/19 15:03	1
Chloroform	0.50	U	1.0	0.50	ug/L			12/10/19 15:03	1
Chloromethane	0.40	U	1.0	0.40	ug/L			12/10/19 15:03	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			12/10/19 15:03	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			12/10/19 15:03	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			12/10/19 15:03	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			12/10/19 15:03	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			12/10/19 15:03	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			12/10/19 15:03	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			12/10/19 15:03	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			12/10/19 15:03	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			12/10/19 15:03	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			12/10/19 15:03	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			12/10/19 15:03	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			12/10/19 15:03	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			12/10/19 15:03	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			12/10/19 15:03	1
2-Hexanone	2.0	U	10	2.0	ug/L			12/10/19 15:03	1
Iodomethane	5.0	U	10	5.0	ug/L			12/10/19 15:03	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			12/10/19 15:03	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			12/10/19 15:03	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			12/10/19 15:03	1
Styrene	0.27	U	1.0	0.27	ug/L			12/10/19 15:03	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			12/10/19 15:03	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			12/10/19 15:03	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			12/10/19 15:03	1
Toluene	0.48	U	1.0	0.48	ug/L			12/10/19 15:03	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			12/10/19 15:03	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			12/10/19 15:03	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			12/10/19 15:03	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			12/10/19 15:03	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			12/10/19 15:03	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			12/10/19 15:03	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			12/10/19 15:03	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			12/10/19 15:03	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			12/10/19 15:03	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			12/10/19 15:03	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: MB 680-599813/10

Matrix: Water

Analysis Batch: 599813

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			12/10/19 15:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		80 - 120					12/10/19 15:03	1
Dibromofluoromethane (Surr)	104		80 - 122					12/10/19 15:03	1
1,2-Dichloroethane-d4 (Surr)	105		73 - 131					12/10/19 15:03	1
Toluene-d8 (Surr)	91		80 - 120					12/10/19 15:03	1

Lab Sample ID: LCS 680-599813/4

Matrix: Water

Analysis Batch: 599813

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	306		ug/L		123	70 - 135
Acrylonitrile	500	590		ug/L		118	80 - 123
Benzene	50.0	51.3		ug/L		103	80 - 120
Bromochloromethane	50.0	49.5		ug/L		99	80 - 120
Bromodichloromethane	50.0	53.5		ug/L		107	80 - 120
Bromoform	50.0	47.2		ug/L		94	74 - 126
Bromomethane	50.1	38.6		ug/L		77	62 - 130
2-Butanone (MEK)	250	287		ug/L		115	80 - 131
Carbon disulfide	50.0	51.4		ug/L		103	80 - 120
Carbon tetrachloride	50.0	49.3		ug/L		99	76 - 123
Chlorobenzene	50.0	50.0		ug/L		100	80 - 120
Chloroethane	50.0	47.6		ug/L		95	66 - 135
Chloroform	50.0	51.3		ug/L		103	80 - 120
Chloromethane	50.0	45.3		ug/L		91	69 - 131
cis-1,2-Dichloroethene	50.0	52.3		ug/L		105	80 - 120
cis-1,3-Dichloropropene	50.0	53.2		ug/L		106	80 - 120
Dibromochloromethane	50.0	50.8		ug/L		102	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	58.7		ug/L		117	71 - 134
1,2-Dibromoethane	50.0	53.3		ug/L		107	80 - 120
Dibromomethane	50.0	52.3		ug/L		105	80 - 120
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	80 - 120
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	80 - 120
1,1-Dichloroethane	50.0	52.5		ug/L		105	80 - 120
1,2-Dichloroethane	50.0	51.7		ug/L		103	80 - 120
1,1-Dichloroethene	50.0	52.0		ug/L		104	76 - 120
1,2-Dichloropropane	50.0	54.0		ug/L		108	80 - 120
1,3-Dichloropropane	50.0	52.2		ug/L		104	80 - 120
Ethylbenzene	50.0	51.7		ug/L		103	80 - 120
2-Hexanone	250	330 *		ug/L		132	74 - 127
Iodomethane	50.0	34.5		ug/L		69	52 - 142
Methylene Chloride	50.0	47.7		ug/L		95	80 - 120
4-Methyl-2-pentanone (MIBK)	250	313 *		ug/L		125	76 - 124
Methyl tert-butyl ether	50.0	53.1		ug/L		106	80 - 120
Styrene	50.0	54.9		ug/L		110	80 - 120
1,1,1,2-Tetrachloroethane	50.0	49.7		ug/L		99	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCS 680-599813/4

Matrix: Water

Analysis Batch: 599813

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	57.3		ug/L		115	80 - 120
Tetrachloroethylene	50.0	48.3		ug/L		97	80 - 121
Toluene	50.0	52.7		ug/L		105	80 - 113
trans-1,4-Dichloro-2-butene	50.0	56.2		ug/L		112	68 - 125
trans-1,2-Dichloroethene	50.0	51.2		ug/L		102	80 - 120
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	80 - 120
1,1,1-Trichloroethane	50.0	51.5		ug/L		103	80 - 120
1,1,2-Trichloroethane	50.0	53.6		ug/L		107	80 - 120
Trichloroethene	50.0	49.3		ug/L		99	80 - 120
Trichlorofluoromethane	50.0	48.2		ug/L		96	60 - 141
1,2,3-Trichloropropane	50.0	53.3		ug/L		107	80 - 123
Vinyl acetate	100	110		ug/L		110	67 - 135
Vinyl chloride	50.1	47.4		ug/L		95	71 - 128
Xylenes, Total	100	101		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	103		80 - 122
1,2-Dichloroethane-d4 (Surr)	101		73 - 131
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 680-599813/5

Matrix: Water

Analysis Batch: 599813

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	316		ug/L		126	70 - 135	3	30
Acrylonitrile	500	592		ug/L		118	80 - 123	0	20
Benzene	50.0	52.1		ug/L		104	80 - 120	2	20
Bromochloromethane	50.0	49.6		ug/L		99	80 - 120	0	20
Bromodichloromethane	50.0	54.3		ug/L		109	80 - 120	2	20
Bromoform	50.0	48.7		ug/L		97	74 - 126	3	20
Bromomethane	50.1	39.5		ug/L		79	62 - 130	2	20
2-Butanone (MEK)	250	295		ug/L		118	80 - 131	3	20
Carbon disulfide	50.0	51.7		ug/L		103	80 - 120	0	20
Carbon tetrachloride	50.0	49.2		ug/L		98	76 - 123	0	20
Chlorobenzene	50.0	51.4		ug/L		103	80 - 120	3	20
Chloroethane	50.0	46.7		ug/L		93	66 - 135	2	20
Chloroform	50.0	51.8		ug/L		104	80 - 120	1	20
Chloromethane	50.0	43.9		ug/L		88	69 - 131	3	30
cis-1,2-Dichloroethene	50.0	53.1		ug/L		106	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	53.7		ug/L		107	80 - 120	1	20
Dibromochloromethane	50.0	52.9		ug/L		106	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	60.8		ug/L		122	71 - 134	4	20
1,2-Dibromoethane	50.0	53.8		ug/L		108	80 - 120	1	20
Dibromomethane	50.0	54.3		ug/L		109	80 - 120	4	20
1,2-Dichlorobenzene	50.0	52.1		ug/L		104	80 - 120	3	20
1,4-Dichlorobenzene	50.0	52.9		ug/L		106	80 - 120	3	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-599813/5

Matrix: Water

Analysis Batch: 599813

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	53.1		ug/L		106	80 - 120	1	20
1,2-Dichloroethane	50.0	53.1		ug/L		106	80 - 120	3	50
1,1-Dichloroethene	50.0	53.4		ug/L		107	76 - 120	3	20
1,2-Dichloropropane	50.0	55.0		ug/L		110	80 - 120	2	20
1,3-Dichloropropane	50.0	53.1		ug/L		106	80 - 120	2	20
Ethylbenzene	50.0	52.1		ug/L		104	80 - 120	1	20
2-Hexanone	250	339 *		ug/L		136	74 - 127	3	20
Iodomethane	50.0	37.0		ug/L		74	52 - 142	7	30
Methylene Chloride	50.0	49.0		ug/L		98	80 - 120	3	20
4-Methyl-2-pentanone (MIBK)	250	321 *		ug/L		128	76 - 124	2	20
Methyl tert-butyl ether	50.0	54.1		ug/L		108	80 - 120	2	20
Styrene	50.0	55.9		ug/L		112	80 - 120	2	20
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	80 - 121	0	20
1,1,2,2-Tetrachloroethane	50.0	58.5		ug/L		117	80 - 120	2	20
Tetrachloroethylene	50.0	50.3		ug/L		101	80 - 121	4	20
Toluene	50.0	53.4		ug/L		107	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	55.6		ug/L		111	68 - 125	1	30
trans-1,2-Dichloroethene	50.0	51.4		ug/L		103	80 - 120	0	20
trans-1,3-Dichloropropene	50.0	52.1		ug/L		104	80 - 120	2	30
1,1,1-Trichloroethane	50.0	52.0		ug/L		104	80 - 120	1	20
1,1,2-Trichloroethane	50.0	55.0		ug/L		110	80 - 120	3	20
Trichloroethene	50.0	49.2		ug/L		98	80 - 120	0	20
Trichlorofluoromethane	50.0	46.6		ug/L		93	60 - 141	3	20
1,2,3-Trichloropropane	50.0	54.8		ug/L		110	80 - 123	3	30
Vinyl acetate	100	111		ug/L		111	67 - 135	1	20
Vinyl chloride	50.1	46.7		ug/L		93	71 - 128	2	20
Xylenes, Total	100	102		ug/L		102	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	103		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		73 - 131
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: 680-177221-21 MS

Matrix: Water

Analysis Batch: 599813

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	338	H	ug/L		135	60 - 154
Acrylonitrile	10	U	500	627	H	ug/L		125	72 - 132
Benzene	1.3		50.0	60.6	H	ug/L		119	73 - 131
Bromochloromethane	0.45	U	50.0	52.0	H	ug/L		104	77 - 122
Bromodichloromethane	0.44	U	50.0	60.4	H	ug/L		121	77 - 129
Bromoform	0.43	U	50.0	50.6	H	ug/L		101	69 - 135
Bromomethane	2.5	U	50.1	39.5	H	ug/L		79	20 - 180
2-Butanone (MEK)	3.4	U	250	321	H	ug/L		128	75 - 133
Carbon disulfide	1.0	U	50.0	60.7	H	ug/L		121	73 - 127

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: 680-177221-21 MS

Matrix: Water

Analysis Batch: 599813

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.33	U	50.0	57.2	H	ug/L		114	75 - 130
Chlorobenzene	0.58	J	50.0	57.1	H	ug/L		113	80 - 120
Chloroethane	2.5	U	50.0	54.4	H	ug/L		109	50 - 151
Chloroform	0.50	U	50.0	58.9	H	ug/L		118	79 - 122
Chloromethane	0.40	U	50.0	52.8	H	ug/L		106	63 - 126
cis-1,2-Dichloroethene	18		50.0	75.4	H	ug/L		114	80 - 122
cis-1,3-Dichloropropene	0.40	U	50.0	57.0	H	ug/L		114	80 - 133
Dibromochloromethane	0.32	U	50.0	55.2	H	ug/L		110	71 - 136
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	65.4	H	ug/L		131	59 - 141
1,2-Dibromoethane	0.44	U	50.0	57.3	H	ug/L		115	77 - 131
Dibromomethane	0.35	U	50.0	56.9	H	ug/L		114	80 - 122
1,2-Dichlorobenzene	0.37	U	50.0	57.7	H	ug/L		115	80 - 120
1,4-Dichlorobenzene	0.77	J	50.0	60.8	H	ug/L		120	80 - 120
1,1-Dichloroethane	3.2		50.0	64.5	H F1	ug/L		123	80 - 120
1,2-Dichloroethane	1.7		50.0	59.2	H	ug/L		115	75 - 130
1,1-Dichloroethene	0.36	U	50.0	63.9	H F1	ug/L		128	74 - 125
1,2-Dichloropropane	0.67	U	50.0	62.4	H F1	ug/L		125	80 - 123
1,3-Dichloropropane	0.34	U	50.0	57.1	H	ug/L		114	78 - 127
Ethylbenzene	0.33	U	50.0	60.4	H F1	ug/L		121	80 - 120
2-Hexanone	2.0	U	250	365	H F1	ug/L		146	70 - 141
Iodomethane	5.0	U	50.0	34.5	H	ug/L		69	15 - 162
Methylene Chloride	2.5	U	50.0	53.1	H	ug/L		106	76 - 129
4-Methyl-2-pentanone (MIBK)	2.1	U	250	346	H F1	ug/L		138	75 - 135
Methyl tert-butyl ether	0.30	U	50.0	57.1	H	ug/L		114	74 - 135
Styrene	0.27	U	50.0	63.1	H F1	ug/L		126	80 - 122
1,1,1,2-Tetrachloroethane	0.37	U	50.0	55.7	H	ug/L		111	80 - 120
1,1,2,2-Tetrachloroethane	0.62	U	50.0	68.3	H F1	ug/L		137	72 - 128
Tetrachloroethylene	0.74	U	50.0	54.0	H	ug/L		108	77 - 123
Toluene	0.48	U	50.0	61.0	H	ug/L		122	80 - 122
trans-1,4-Dichloro-2-butene	0.51	U	50.0	62.0	H	ug/L		124	55 - 147
trans-1,2-Dichloroethene	5.2		50.0	63.4	H	ug/L		116	78 - 123
trans-1,3-Dichloropropene	0.42	U	50.0	54.8	H	ug/L		110	74 - 140
1,1,1-Trichloroethane	0.37	U	50.0	60.1	H	ug/L		120	74 - 128
1,1,2-Trichloroethane	0.33	U	50.0	57.9	H	ug/L		116	79 - 125
Trichloroethene	0.69	J	50.0	54.4	H	ug/L		107	80 - 123
Trichlorofluoromethane	0.42	U	50.0	52.4	H	ug/L		105	58 - 145
1,2,3-Trichloropropane	0.39	U	50.0	58.4	H	ug/L		117	70 - 132
Vinyl acetate	0.81	U	100	118	H	ug/L		118	15 - 190
Vinyl chloride	27		50.1	77.7	H	ug/L		100	68 - 132
Xylenes, Total	0.23	U	100	116	H	ug/L		116	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		80 - 120
Dibromofluoromethane (Surr)	113		80 - 122
1,2-Dichloroethane-d4 (Surr)	114		73 - 131
Toluene-d8 (Surr)	117		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: 680-177221-21 MSD

Matrix: Water

Analysis Batch: 599813

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	300	H	ug/L		120	60 - 154	12	30
Acrylonitrile	10	U	500	543	H	ug/L		109	72 - 132	15	20
Benzene	1.3		50.0	51.6	H	ug/L		101	73 - 131	16	20
Bromochloromethane	0.45	U	50.0	45.1	H	ug/L		90	77 - 122	14	20
Bromodichloromethane	0.44	U	50.0	51.3	H	ug/L		103	77 - 129	16	20
Bromoform	0.43	U	50.0	42.9	H	ug/L		86	69 - 135	16	20
Bromomethane	2.5	U	50.1	35.4	H	ug/L		71	20 - 180	11	20
2-Butanone (MEK)	3.4	U	250	277	H	ug/L		111	75 - 133	15	20
Carbon disulfide	1.0	U	50.0	51.6	H	ug/L		103	73 - 127	16	20
Carbon tetrachloride	0.33	U	50.0	49.2	H	ug/L		98	75 - 130	15	20
Chlorobenzene	0.58	J	50.0	48.6	H	ug/L		96	80 - 120	16	20
Chloroethane	2.5	U	50.0	47.9	H	ug/L		96	50 - 151	13	20
Chloroform	0.50	U	50.0	50.1	H	ug/L		100	79 - 122	16	20
Chloromethane	0.40	U	50.0	44.3	H	ug/L		89	63 - 126	18	30
cis-1,2-Dichloroethene	18		50.0	63.9	H	ug/L		91	80 - 122	16	20
cis-1,3-Dichloropropene	0.40	U	50.0	48.1	H	ug/L		96	80 - 133	17	20
Dibromochloromethane	0.32	U	50.0	48.3	H	ug/L		97	71 - 136	13	20
1,2-Dibromo-3-Chloropropane	1.1	U	50.0	55.8	H	ug/L		112	59 - 141	16	20
1,2-Dibromoethane	0.44	U	50.0	49.3	H	ug/L		99	77 - 131	15	20
Dibromomethane	0.35	U	50.0	48.7	H	ug/L		97	80 - 122	16	20
1,2-Dichlorobenzene	0.37	U	50.0	49.0	H	ug/L		98	80 - 120	16	20
1,4-Dichlorobenzene	0.77	J	50.0	50.2	H	ug/L		99	80 - 120	19	20
1,1-Dichloroethane	3.2		50.0	54.5	H	ug/L		103	80 - 120	17	20
1,2-Dichloroethane	1.7		50.0	50.8	H	ug/L		98	75 - 130	15	50
1,1-Dichloroethene	0.36	U	50.0	52.7	H	ug/L		105	74 - 125	19	20
1,2-Dichloropropane	0.67	U	50.0	51.9	H	ug/L		104	80 - 123	18	20
1,3-Dichloropropane	0.34	U	50.0	49.0	H	ug/L		98	78 - 127	15	20
Ethylbenzene	0.33	U	50.0	50.7	H	ug/L		101	80 - 120	17	20
2-Hexanone	2.0	U	250	316	H	ug/L		127	70 - 141	14	20
Iodomethane	5.0	U	50.0	36.6	H	ug/L		73	15 - 162	6	30
Methylene Chloride	2.5	U	50.0	45.6	H	ug/L		91	76 - 129	15	20
4-Methyl-2-pentanone (MIBK)	2.1	U	250	299	H	ug/L		120	75 - 135	14	20
Methyl tert-butyl ether	0.30	U	50.0	49.4	H	ug/L		99	74 - 135	15	20
Styrene	0.27	U	50.0	52.9	H	ug/L		106	80 - 122	18	20
1,1,1,2-Tetrachloroethane	0.37	U	50.0	47.1	H	ug/L		94	80 - 120	17	20
1,1,2,2-Tetrachloroethane	0.62	U	50.0	57.4	H	ug/L		115	72 - 128	17	20
Tetrachloroethylene	0.74	U	50.0	46.3	H	ug/L		93	77 - 123	15	20
Toluene	0.48	U	50.0	51.6	H	ug/L		103	80 - 122	17	20
trans-1,4-Dichloro-2-butene	0.51	U	50.0	52.4	H	ug/L		105	55 - 147	17	30
trans-1,2-Dichloroethene	5.2		50.0	53.5	H	ug/L		96	78 - 123	17	20
trans-1,3-Dichloropropene	0.42	U	50.0	47.1	H	ug/L		94	74 - 140	15	30
1,1,1-Trichloroethane	0.37	U	50.0	51.1	H	ug/L		102	74 - 128	16	20
1,1,2-Trichloroethane	0.33	U	50.0	51.0	H	ug/L		102	79 - 125	13	20
Trichloroethene	0.69	J	50.0	46.9	H	ug/L		92	80 - 123	15	20
Trichlorofluoromethane	0.42	U	50.0	48.7	H	ug/L		97	58 - 145	7	20
1,2,3-Trichloropropane	0.39	U	50.0	50.1	H	ug/L		100	70 - 132	15	30
Vinyl acetate	0.81	U	100	102	H	ug/L		102	15 - 190	15	20
Vinyl chloride	27		50.1	69.3	H	ug/L		84	68 - 132	12	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: 680-177221-21 MSD

Matrix: Water

Analysis Batch: 599813

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	0.23	U	100	97.8	H	ug/L		98	80 - 120	17	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	101		80 - 120								
Dibromofluoromethane (Surr)	97		80 - 122								
1,2-Dichloroethane-d4 (Surr)	97		73 - 131								
Toluene-d8 (Surr)	98		80 - 120								

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-598601/8

Matrix: Water

Analysis Batch: 598601

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			12/01/19 16:56	1
Ethylene	0.50	U	1.0	0.50	ug/L			12/01/19 16:56	1
Methane	0.29	U	0.58	0.29	ug/L			12/01/19 16:56	1
Methane (TCD)	39	U	390	39	ug/L			12/01/19 16:56	1

Lab Sample ID: LCS 680-598601/3

Matrix: Water

Analysis Batch: 598601

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits			
Ethane	288	281		ug/L		97	75 - 125			
Ethylene	269	259		ug/L		96	75 - 125			
Methane	154	150		ug/L		97	75 - 125			

Lab Sample ID: LCS 680-598601/5

Matrix: Water

Analysis Batch: 598601

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	1690		ug/L		88	75 - 125			

Lab Sample ID: LCSD 680-598601/6

Matrix: Water

Analysis Batch: 598601

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	2160		ug/L		112	75 - 125	24	30

Lab Sample ID: LCSD 680-598601/7

Matrix: Water

Analysis Batch: 598601

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	300		ug/L		104	75 - 125	7	30
Ethylene	269	280		ug/L		104	75 - 125	8	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

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

Lab Sample ID: LCSD 680-598601/7

Matrix: Water

Analysis Batch: 598601

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	160		ug/L		104	75 - 125	7	30

Lab Sample ID: MB 680-598674/12

Matrix: Water

Analysis Batch: 598674

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			12/02/19 15:26	1
Ethylene	0.50	U	1.0	0.50	ug/L			12/02/19 15:26	1
Methane	0.29	U	0.58	0.29	ug/L			12/02/19 15:26	1
Methane (TCD)	39	U	390	39	ug/L			12/02/19 15:26	1

Lab Sample ID: LCS 680-598674/3

Matrix: Water

Analysis Batch: 598674

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	256		ug/L		89	75 - 125
Ethylene	269	225		ug/L		84	75 - 125
Methane	154	142		ug/L		92	75 - 125

Lab Sample ID: LCS 680-598674/6

Matrix: Water

Analysis Batch: 598674

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	1910		ug/L		99	75 - 125

Lab Sample ID: LCSD 680-598674/10

Matrix: Water

Analysis Batch: 598674

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	1920		ug/L		100	75 - 125	1	30

Lab Sample ID: LCSD 680-598674/4

Matrix: Water

Analysis Batch: 598674

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	267		ug/L		92	75 - 125	4	30
Ethylene	269	246		ug/L		92	75 - 125	9	30
Methane	154	147		ug/L		95	75 - 125	3	30

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-177221-1

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-598149/2

Matrix: Water

Analysis Batch: 598149

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			11/25/19 23:59	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			11/25/19 23:59	1

Lab Sample ID: LCS 680-598149/3

Matrix: Water

Analysis Batch: 598149

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	20.0		mg/L		100	80 - 120
Total Organic Carbon - Quad	20.0	20.0		mg/L		100	80 - 120
TOC Result 1	20.0	19.9		mg/L		100	80 - 120
TOC Result 2	20.0	19.7		mg/L		99	80 - 120
TOC Result 3	20.0	20.5		mg/L		103	80 - 120
TOC Result 4	20.0	20.0		mg/L		100	80 - 120

Lab Sample ID: LCSD 680-598149/4

Matrix: Water

Analysis Batch: 598149

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	20.1		mg/L		101	80 - 120	0	25
Total Organic Carbon - Quad	20.0	20.1		mg/L		101	80 - 120	0	25
TOC Result 1	20.0	19.9		mg/L		99	80 - 120	0	25
TOC Result 2	20.0	20.2		mg/L		101	80 - 120	2	25
TOC Result 3	20.0	20.2		mg/L		101	80 - 120	2	25
TOC Result 4	20.0	20.2		mg/L		101	80 - 120	1	25

QC Association Summary

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

Job ID: 680-177221-1

GC/MS VOA

Analysis Batch: 598304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-11	OLF-G47	Total/NA	Water	8260B	
680-177221-13	OLF-G24	Total/NA	Water	8260B	
MB 680-598304/9	Method Blank	Total/NA	Water	8260B	
LCS 680-598304/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-598304/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 598428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-9	OLF-G70	Total/NA	Water	8260B	
680-177221-11	OLF-G47	Total/NA	Water	8260B	
MB 680-598428/9	Method Blank	Total/NA	Water	8260B	
LCS 680-598428/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-598428/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 598444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-3	OLF-G48	Total/NA	Water	8260B	
680-177221-7	OLF-G23	Total/NA	Water	8260B	
MB 680-598444/10	Method Blank	Total/NA	Water	8260B	
LCS 680-598444/1004	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-598444/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 598603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-10	DUP334	Total/NA	Water	8260B	
MB 680-598603/7	Method Blank	Total/NA	Water	8260B	
LCS 680-598603/1003	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-598603/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 598846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-4	OLF-G21	Total/NA	Water	8260B	
680-177221-5	DUP336	Total/NA	Water	8260B	
680-177221-6	OLF-G12	Total/NA	Water	8260B	
680-177221-14	OLF-G43	Total/NA	Water	8260B	
680-177221-15	OLF-G35	Total/NA	Water	8260B	
680-177221-16	OLF-G22	Total/NA	Water	8260B	
680-177221-17	OLF-G36	Total/NA	Water	8260B	
680-177221-19	OLF-G19	Total/NA	Water	8260B	
680-177221-20	OLF-G18	Total/NA	Water	8260B	
MB 680-598846/9	Method Blank	Total/NA	Water	8260B	
LCS 680-598846/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-598846/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 598992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-1	DUP338	Total/NA	Water	8260B	
680-177221-2	OLF-G77	Total/NA	Water	8260B	
680-177221-8	OLF-G26	Total/NA	Water	8260B	
680-177221-12	OLF-G78	Total/NA	Water	8260B	
680-177221-18	OLF-G20	Total/NA	Water	8260B	

Eurofins TestAmerica, Savannah

QC Association Summary

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

Job ID: 680-177221-1

GC/MS VOA (Continued)

Analysis Batch: 598992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-21	OLF-G42	Total/NA	Water	8260B	
680-177221-22	OLF-G07	Total/NA	Water	8260B	
680-177221-23	TB545	Total/NA	Water	8260B	
680-177221-24	MB102	Total/NA	Water	8260B	
680-177221-25	EB132	Total/NA	Water	8260B	
MB 680-598992/9	Method Blank	Total/NA	Water	8260B	
LCS 680-598992/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-598992/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-177221-22 MS	OLF-G07	Total/NA	Water	8260B	
680-177221-22 MSD	OLF-G07	Total/NA	Water	8260B	

Analysis Batch: 599542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-1 - DL	DUP338	Total/NA	Water	8260B	

Analysis Batch: 599813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-599813/10	Method Blank	Total/NA	Water	8260B	
LCS 680-599813/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-599813/5	Lab Control Sample Dup	Total/NA	Water	8260B	
680-177221-21 MS	OLF-G42	Total/NA	Water	8260B	
680-177221-21 MSD	OLF-G42	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 598601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-2	OLF-G77	Total/NA	Water	RSK-175	
680-177221-24	MB102	Total/NA	Water	RSK-175	
680-177221-25	EB132	Total/NA	Water	RSK-175	
MB 680-598601/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-598601/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-598601/5	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-598601/6	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-598601/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 598674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-1	DUP338	Total/NA	Water	RSK-175	
MB 680-598674/12	Method Blank	Total/NA	Water	RSK-175	
LCS 680-598674/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-598674/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-598674/10	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-598674/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 598149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-1	DUP338	Total/NA	Water	9060A	
680-177221-2	OLF-G77	Total/NA	Water	9060A	
680-177221-24	MB102	Total/NA	Water	9060A	

Eurofins TestAmerica, Savannah

QC Association Summary

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

Job ID: 680-177221-1

General Chemistry (Continued)

Analysis Batch: 598149 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-177221-25	EB132	Total/NA	Water	9060A	
MB 680-598149/2	Method Blank	Total/NA	Water	9060A	
LCS 680-598149/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-598149/4	Lab Control Sample Dup	Total/NA	Water	9060A	

Lab Chronicle

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

Job ID: 680-177221-1

Client Sample ID: DUP338

Lab Sample ID: 680-177221-1

Date Collected: 11/20/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598992	12/04/19 17:23	Y1S	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	8260B	DL	10	5 mL	5 mL	599542	12/07/19 20:51	EMA	TAL SAV
		Instrument ID: CMSC								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	598674	12/02/19 19:31	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	598149	11/26/19 03:25	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G77

Lab Sample ID: 680-177221-2

Date Collected: 11/20/19 13:01

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	598992	12/04/19 18:10	Y1S	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	598601	12/01/19 20:23	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	598149	11/26/19 04:15	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G48

Lab Sample ID: 680-177221-3

Date Collected: 11/18/19 15:20

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598444	11/29/19 18:36	SMP	TAL SAV
		Instrument ID: CMSP2								

Client Sample ID: OLF-G21

Lab Sample ID: 680-177221-4

Date Collected: 11/19/19 10:06

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598846	12/03/19 17:01	Y1S	TAL SAV
		Instrument ID: CMSC								

Client Sample ID: DUP336

Lab Sample ID: 680-177221-5

Date Collected: 11/19/19 00:00

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598846	12/03/19 17:24	Y1S	TAL SAV
		Instrument ID: CMSC								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-177221-1

Client Sample ID: OLF-G12

Date Collected: 11/19/19 15:06

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-6

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	598846	12/03/19 17:48	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G23

Date Collected: 11/18/19 12:51

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-7

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	598444	11/29/19 18:59	SMP	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G26

Date Collected: 11/20/19 09:31

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-8

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	598992	12/04/19 18:33	Y1S	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G70

Date Collected: 11/18/19 10:45

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-9

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	598428	11/29/19 19:56	Y1S	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: DUP334

Date Collected: 11/18/19 00:00

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-10

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	598603	12/02/19 03:34	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G47

Date Collected: 11/18/19 13:20

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-11

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	598304	11/28/19 01:50	UI	TAL SAV
Instrument ID: CMSAA										
Total/NA	Analysis	8260B		1	5 mL	5 mL	598428	11/29/19 20:20	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: 680-177221-1

Client Sample ID: OLF-G78

Lab Sample ID: 680-177221-12

Date Collected: 11/20/19 11:31

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598992	12/04/19 18:57	Y1S	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G24

Lab Sample ID: 680-177221-13

Date Collected: 11/18/19 13:51

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598304	11/27/19 21:49	UI	TAL SAV
Instrument ID: CMSAA										

Client Sample ID: OLF-G43

Lab Sample ID: 680-177221-14

Date Collected: 11/19/19 15:35

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598846	12/03/19 18:11	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G35

Lab Sample ID: 680-177221-15

Date Collected: 11/19/19 09:25

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598846	12/03/19 18:34	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G22

Lab Sample ID: 680-177221-16

Date Collected: 11/19/19 12:40

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598846	12/03/19 18:57	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G36

Lab Sample ID: 680-177221-17

Date Collected: 11/19/19 11:10

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598846	12/03/19 19:21	Y1S	TAL SAV
Instrument ID: CMSC										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-177221-1

Client Sample ID: OLF-G20

Lab Sample ID: 680-177221-18

Date Collected: 11/20/19 09:55

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598992	12/04/19 19:20	Y1S	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G19

Lab Sample ID: 680-177221-19

Date Collected: 11/19/19 11:46

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598846	12/03/19 19:44	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G18

Lab Sample ID: 680-177221-20

Date Collected: 11/19/19 09:01

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598846	12/03/19 20:07	Y1S	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G42

Lab Sample ID: 680-177221-21

Date Collected: 11/20/19 13:15

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598992	12/04/19 20:07	Y1S	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G07

Lab Sample ID: 680-177221-22

Date Collected: 11/20/19 11:30

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598992	12/04/19 19:44	Y1S	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: TB545

Lab Sample ID: 680-177221-23

Date Collected: 11/20/19 14:30

Matrix: Water

Date Received: 11/21/19 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	598992	12/04/19 14:39	Y1S	TAL SAV
Instrument ID: CMSA2										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-177221-1

Client Sample ID: MB102

Date Collected: 11/20/19 15:00

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-24

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	598992	12/04/19 17:46	Y1S	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	598601	12/01/19 20:36	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	598149	11/26/19 04:35	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: EB132

Date Collected: 11/20/19 15:10

Date Received: 11/21/19 09:20

Lab Sample ID: 680-177221-25

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	598992	12/04/19 15:02	Y1S	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	598601	12/01/19 20:48	MYD	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	598149	11/26/19 04:52	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: 680-177221-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

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: 680-177221-1

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 # 19.094.20-05.2.500
 Lab contract:

Cooler ID 5954 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
DUP-338	FD	FD	Water	BP		11-20-19	N/A	X			
OLF-G77	NS	MW	Water	BP		11-20-19	13:01	X			
OLF-G48	NS	MW	Water	BP		11-18-19	15:20	X			
OLF-G21	NS	MW	Water	BP		11-19-19	10:06	X			
DUP-336	FD	FD	Water	BP		11-19-19	N/A	X			
OLF-G12	NS	MW	Water	BP		11-19-19	15:06	X			
OLF-G23	NS	MW	Water	BP		11-18-19	13:51	X			
OLF-G26	NS	MW	Water	BP		11-20-19	09:31	X			
OLF-G70	NS	MW	Water	BP		11-18-19	10:45	X			
DUP-334	FD	FD	Water	BP		11-18-19	N/A	X			
OLF-G47	NS	MW	Water	BP		11-18-19	13:20	X			
OLF-G78	NS	MW	Water	BP		11-20-19	11:31	X			
OLF-G24	NS	MW	Water	BP		11-18-19	13:51	X			
OLF-G43	NS	MW	Water	BP		11-19-19	15:35	X			
OLF-G35	NS	MW	Water	BP		11-19-19	09:25	X			
OLF-G22	NS	MW	Water	BP		11-19-19	13:40	X			
OLF-G36	NS	MW	Water	BP		11-19-19	11:10	X			
OLF-G20	NS	MW	Water	BP		11-20-19	9:55	X			



680-177221 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 = peristaltic pump, PP = peristaltic pump, SU = submersible pump
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt
 See Task Order 093 for required list of VOCs and metals.

Double the number of bottles for MS/MSD

Received by (Signature):

FedEx

Date/Time: 11-20-19 16:00

Relinquished by (Signature):

[Signature]

Relinquished by (Signature):

Date/Time:

11-20-19

Received by (Signature):

Paul R. 11.21.19 0920

0.8/0.9

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 # 19,094.20-05.2.500
Lab contract:

Cooler ID 5954 Cooler 1 of 2
Page 2 of 2

[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, W5 = 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.
COMMENTS:

Double the number of bottles for MS/MSD

Received by (Signature): *FedEx*

Date/Time: 11-20-19 16:00

Received by (Signature): *Paul* 11.21.19 0920
0.8/0.9

 $0.8/0.9$

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-177221-1

Login Number: 177221

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Laughlin, Paul 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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

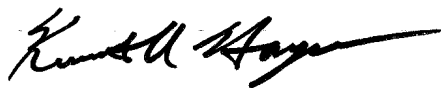
ANALYTICAL REPORT

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

Laboratory Job ID: 680-184196-1
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:
6/9/2020 3:43:09 PM

Ken Hayes, Project Manager II
(615)301-5035
ken.hayes@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC and 2009 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: 680-184196-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate recovery exceeds control limits

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Sample Summary

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

Job ID: 680-184196-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-184196-1	OLF-G31	Water	05/19/20 12:10	05/22/20 09:30	
680-184196-2	OLF-G32	Water	05/19/20 10:30	05/22/20 09:30	
680-184196-3	OLF-G43	Water	05/20/20 10:25	05/22/20 09:30	
680-184196-4	OLF-G70	Water	05/19/20 14:25	05/22/20 09:30	
680-184196-5	OLF-G26	Water	05/20/20 13:30	05/22/20 09:30	
680-184196-6	OLF-G50	Water	05/20/20 11:51	05/22/20 09:30	
680-184196-7	OLF-G72 Port 1	Water	05/19/20 14:30	05/22/20 09:30	
680-184196-8	OLF-G72 Port 2	Water	05/19/20 15:10	05/22/20 09:30	
680-184196-9	OLF-G72 Port 3	Water	05/19/20 15:30	05/22/20 09:30	
680-184196-10	OLF-G72 Port 4	Water	05/19/20 15:55	05/22/20 09:30	
680-184196-11	OLF-G72 Port 5	Water	05/19/20 16:20	05/22/20 09:30	
680-184196-12	OLF-G72 Port 6	Water	05/19/20 16:40	05/22/20 09:30	
680-184196-13	OLF-G75 Screen 1	Water	05/18/20 16:55	05/22/20 09:30	
680-184196-14	OLF-G75 Screen 2	Water	05/18/20 15:35	05/22/20 09:30	
680-184196-15	OLF-G75 Screen 3	Water	05/18/20 14:25	05/22/20 09:30	
680-184196-16	OLF-G75 Screen 4	Water	05/18/20 13:10	05/22/20 09:30	
680-184196-17	OLF-G75 Screen 5	Water	05/18/20 12:00	05/22/20 09:30	
680-184196-18	OLF-G75 Screen 6	Water	05/18/20 10:10	05/22/20 09:30	
680-184196-19	OLF-G51	Water	05/20/20 15:11	05/22/20 09:30	
680-184196-20	OLF-G49	Water	05/20/20 09:41	05/22/20 09:30	
680-184196-21	PPMP-229-GP12	Water	05/20/20 16:15	05/22/20 09:30	
680-184196-22	DUP348	Water	05/19/20 00:00	05/22/20 09:30	
680-184196-23	DUP347	Water	05/20/20 00:00	05/22/20 09:30	
680-184196-24	DUP349	Water	05/19/20 00:00	05/22/20 09:30	
680-184196-25	TB555	Water	05/21/20 14:20	05/22/20 09:30	
680-184196-26	OLF-G71 Port 1	Water	05/19/20 10:00	05/22/20 09:30	
680-184196-27	OLF-G71 Port 2	Water	05/19/20 10:30	05/22/20 09:30	
680-184196-28	OLF-G71 Port 3	Water	05/19/20 10:50	05/22/20 09:30	
680-184196-29	OLF-G71 Port 4	Water	05/19/20 11:15	05/22/20 09:30	
680-184196-30	OLF-G71 Port 5	Water	05/19/20 11:40	05/22/20 09:30	
680-184196-31	OLF-G73 Port 1	Water	05/18/20 10:33	05/22/20 09:30	
680-184196-32	OLF-G73 Port 2	Water	05/18/20 11:00	05/22/20 09:30	
680-184196-33	OLF-G73 Port 3	Water	05/18/20 11:25	05/22/20 09:30	
680-184196-34	OLF-G73 Port 4	Water	05/18/20 11:45	05/22/20 09:30	
680-184196-35	OLF-G73 Port 5	Water	05/18/20 12:00	05/22/20 09:30	
680-184196-36	OLF-G74 Port 1	Water	05/18/20 14:25	05/22/20 09:30	
680-184196-37	OLF-G74 Port 2	Water	05/18/20 14:50	05/22/20 09:30	
680-184196-38	OLF-G74 Port 3	Water	05/18/20 15:30	05/22/20 09:30	
680-184196-39	OLF-G74 Port 4	Water	05/18/20 15:50	05/22/20 09:30	
680-184196-40	OLF-G74 Port 5	Water	05/18/20 16:15	05/22/20 09:30	
680-184196-41	OLF-G52	Water	05/19/20 16:55	05/22/20 09:30	
680-184196-42	TB554	Water	05/21/20 14:00	05/22/20 09:30	
680-184196-43	DUP350	Water	05/18/20 00:00	05/22/20 09:30	

Case Narrative

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

Job ID: 680-184196-1

Job ID: 680-184196-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

Job Narrative 680-184196-1

Comments

No additional comments.

Receipt

The samples were received on 5/22/2020 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.9° C and 4.5° C.

Receipt Exceptions

Method 8260B: One of three containers for the following sample was received broken: OLF-G72 Port 2 (680-184196-8).

GC/MS VOA

Method 8260B: The initial calibration verification (ICV) result for batch 680-619677 was above the upper control limit. Sample results were non-detects, and have been reported as qualified data.

Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-620584 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 laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-620584 recovered outside control limits. 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 680-620584 recovered outside control limits for the following analytes: MIBK, Bromomethane.

Method 8260B: Surrogate recovery for the following sample was outside the upper control limit: OLF-G75 Screen 2 (680-184196-14). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: Surrogate recovery for the following samples were outside control limits: OLF-G74 Port 2 (680-184196-37) and DUP350 (680-184196-43). Evidence of matrix interferences is not obvious.

Method 8260B: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (680-184185-A-1 MS) and (680-184185-A-1 MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8260B: The LCS/LCSD associated with batch 620584 failed surrogate 4-Bromofluorobenzene marginally high. Target analyte recoveries were acceptable. (LCS 680-620584/31) and (LCSD 680-620584/32)

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-620699 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 680-620699/3).

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-620699 recovered outside control limits for the following analyte: Bromomethane. 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 preparation batch 6220699 contained bromomethane 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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-620699 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was

Case Narrative

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

Job ID: 680-184196-1

Job ID: 680-184196-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

within acceptance limits.

Method 8260B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for analytical batch 680-620699 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260B: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: OLF-G72 Port 1 (680-184196-7[MS]). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-620693.

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-620687 recovered above the upper control limit for Chloroethane, Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 680-620687/2).

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-620687 recovered outside control limits for the following analytes: Chloroethane, Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: 4-Bromofluorobenzene (surr) recovery in the Laboratory Control Sample Duplicate (LCSD) was marginally high, by less than 1%. The Laboratory Control Sample (LCS) recovered within limits. Data has been reported. (LCSD 680-620797/5)

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-620797.

Method 8260B: The surrogate recovery for the blank associated with analytical batch 680-620797 was outside the upper control limits.

Method 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 680-620797 recovered outside control limits for the following analyte(s): 4-Methyl-2-pentanone. 4-Methyl-2-pentanone has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260B: The laboratory control sample duplicate (LCSD) for analytical batch 680-620797 recovered outside control limits for the following analyte(s): Acrylonitrile. Acrylonitrile has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260B: The RPD of the laboratory control sample duplicate (LCSD) for analytical batch 680-620797 recovered outside control limits for the following analytes: Toluene.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-620797 recovered outside control limits for the following analytes: Dibromomethane.

Method 8260B: The Laboratory Control Sample recovered outside the reporting limits by less than 4% for the following analytes: Chlorodibromomethane, Dichlorobromomethane, and trans-1,3-Dichloropropene. the LCSD % recoveries were within limits. The affected samples are non detect for the associated analytes. There is insufficient time remaining to rerun within hold times. (LCS 680-620797/3)

Method 8260B: The Laboratory Control Sample recovered outside the reporting limits by less than 4% for the following analyte: Dibromomethane. The LCSD % recoveries were within limits. The affected samples are non detect for the associated analytes. There is insufficient time remaining to rerun within hold times. (LCS 680-620797/3)

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-620985 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Case Narrative

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

Job ID: 680-184196-1

Job ID: 680-184196-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-620985 recovered outside control limits for the following analytes: Bromomethane. 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 680-620985 recovered outside control limits for the following analyte(s): 2-Hexanone. 2-Hexanone 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: The method blank for analytical batch 680-620985 contained Bromomethane 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).

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-620985.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-620971.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-621049.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-621049 recovered outside control limits for the following analytes: Bromomethane. 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 680-621049 recovered outside control limits for the following analytes: Bromomethane and Styrene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8260B: Surrogate recovery for the following sample was outside the upper control limit: TB555 (680-184196-25). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: The laboratory control sample (LCS) for analytical batch 680-620971 recovered outside control limits for the following analytes: p-Isopropyltoluene, Toluene and 1,2-Dichloropropane. 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 continuing calibration verification (CCV) associated with batch 680-620971 recovered above the upper control limit for 1,2-Dichloropropane and Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 680-620971: Dibromomethane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-620971 recovered outside control limits for the following analytes: cis-1,3-Dichloropropene, Bromodichloromethane, Toluene, 1,1,1-Trichloroethane, Dibromomethane and 1,2-Dichloropropane.

Method 8260B: Surrogate recovery for the following sample was outside the upper control limit: OLF-G26 (680-184196-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8260B: The following analyte(s) recovered outside control limits for the LCS associated with analytical batch 680-620893: Tetrachloroethene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Case Narrative

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

Job ID: 680-184196-1

Job ID: 680-184196-1 (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 680-620893 recovered outside control limits for the following analytes: Acrylonitrile, Vinyl Acetate.

Method 8260B: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-620893 recovered outside control limits for the following analyte(s): Bromomethane. Bromomethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 680-620893: 1,1-Dichloroethene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: Surrogate recovery for the following sample was outside control limits: OLF-G26 (680-184196-5). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

Method 8260B: The method blank and following sample had a hit for cis-1,2-Dichloroethene. The results were reported because the hit in the samples were less than half the reporting limit. OLF-G26 (680-184196-5) and (MB 680-620893/9)

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: Due to the high concentration of Methane, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 680-620646 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS/LCSD) met acceptance criteria.

Method RSK-175: Reanalysis of the following sample was performed outside of the analytical holding time due to the instrument mis-injecting the sample on the original analysis: OLF-G72 Port 6 (680-184196-12). The original in hold data is not reportable; therefore the reanalysis has been qualified and reported.

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

VOA Prep

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

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G31

Lab Sample ID: 680-184196-1

Date Collected: 05/19/20 12:10

Matrix: Water

Date Received: 05/22/20 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			06/01/20 20:46	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 20:46	1
Benzene	0.43	U	1.0	0.43	ug/L			06/01/20 20:46	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 20:46	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 20:46	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 20:46	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/01/20 20:46	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/01/20 20:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 20:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/01/20 20:46	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/01/20 20:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/01/20 20:46	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 20:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 20:46	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/01/20 20:46	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 20:46	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 20:46	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 20:46	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 20:46	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 20:46	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 20:46	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 20:46	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 20:46	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/01/20 20:46	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 20:46	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 20:46	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 20:46	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 20:46	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 20:46	1
Iodomethane	5.0	U	10	5.0	ug/L			06/01/20 20:46	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 20:46	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 20:46	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 20:46	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 20:46	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 20:46	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/01/20 20:46	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 20:46	1
Toluene	0.48	U	1.0	0.48	ug/L			06/01/20 20:46	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 20:46	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/01/20 20:46	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/01/20 20:46	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 20:46	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 20:46	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/01/20 20:46	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 20:46	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 20:46	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 20:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/01/20 20:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 20:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G31

Date Collected: 05/19/20 12:10

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		06/01/20 20:46	1
Dibromofluoromethane (Surr)	112		80 - 122		06/01/20 20:46	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		06/01/20 20:46	1
Toluene-d8 (Surr)	110		80 - 120		06/01/20 20:46	1

Client Sample ID: OLF-G32

Date Collected: 05/19/20 10:30

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-2

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			06/02/20 16:56	1
Acrylonitrile	10	U *1	20	10	ug/L			06/02/20 16:56	1
Benzene	0.43	U	1.0	0.43	ug/L			06/02/20 16:56	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 16:56	1
Bromodichloromethane	0.44	U *	1.0	0.44	ug/L			06/02/20 16:56	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 16:56	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 16:56	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 16:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 16:56	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 16:56	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/02/20 16:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 16:56	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 16:56	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 16:56	1
cis-1,2-Dichloroethene	1.5		1.0	0.41	ug/L			06/02/20 16:56	1
cis-1,3-Dichloropropene	0.40	U *	1.0	0.40	ug/L			06/02/20 16:56	1
Dibromochloromethane	0.32	U *	1.0	0.32	ug/L			06/02/20 16:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 16:56	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 16:56	1
Dibromomethane	0.35	U *1 *	1.0	0.35	ug/L			06/02/20 16:56	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 16:56	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 16:56	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 16:56	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/02/20 16:56	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 16:56	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 16:56	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 16:56	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 16:56	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 16:56	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 16:56	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 16:56	1
4-Methyl-2-pentanone (MIBK)	2.1	U *1	10	2.1	ug/L			06/02/20 16:56	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 16:56	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 16:56	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 16:56	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 16:56	1
Tetrachloroethylene	0.74	U *	1.0	0.74	ug/L			06/02/20 16:56	1
Toluene	0.48	U *1	1.0	0.48	ug/L			06/02/20 16:56	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 16:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G32

Lab Sample ID: 680-184196-2

Date Collected: 05/19/20 10:30

Matrix: Water

Date Received: 05/22/20 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			06/02/20 16:56	1
trans-1,3-Dichloropropene	0.42	U *	1.0	0.42	ug/L			06/02/20 16:56	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 16:56	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 16:56	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/02/20 16:56	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 16:56	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 16:56	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 16:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/02/20 16:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		80 - 120		06/02/20 16:56	1
Dibromofluoromethane (Surr)	104		80 - 122		06/02/20 16:56	1
1,2-Dichloroethane-d4 (Surr)	80		73 - 131		06/02/20 16:56	1
Toluene-d8 (Surr)	105		80 - 120		06/02/20 16:56	1

Client Sample ID: OLF-G43

Lab Sample ID: 680-184196-3

Date Collected: 05/20/20 10:25

Matrix: Water

Date Received: 05/22/20 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			06/03/20 17:57	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 17:57	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 17:57	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/03/20 17:57	1
Bromodichloromethane	0.44	U *1	1.0	0.44	ug/L			06/03/20 17:57	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 17:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/03/20 17:57	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 17:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 17:57	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 17:57	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 17:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 17:57	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 17:57	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 17:57	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/03/20 17:57	1
cis-1,3-Dichloropropene	0.40	U *1	1.0	0.40	ug/L			06/03/20 17:57	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 17:57	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 17:57	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 17:57	1
Dibromomethane	0.35	U * *1	1.0	0.35	ug/L			06/03/20 17:57	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 17:57	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 17:57	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 17:57	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 17:57	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 17:57	1
1,2-Dichloropropane	0.67	U *1 *	1.0	0.67	ug/L			06/03/20 17:57	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 17:57	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G43

Lab Sample ID: 680-184196-3

Date Collected: 05/20/20 10:25

Matrix: Water

Date Received: 05/22/20 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			06/03/20 17:57	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/03/20 17:57	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 17:57	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 17:57	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 17:57	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 17:57	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 17:57	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 17:57	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/03/20 17:57	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 17:57	1
Toluene	0.48	U *1 *	1.0	0.48	ug/L			06/03/20 17:57	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 17:57	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 17:57	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 17:57	1
1,1,1-Trichloroethane	0.37	U *1	1.0	0.37	ug/L			06/03/20 17:57	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 17:57	1
Trichloroethene	0.80	J	1.0	0.48	ug/L			06/03/20 17:57	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 17:57	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 17:57	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 17:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 17:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		80 - 120		06/03/20 17:57	1
Dibromofluoromethane (Surr)	110		80 - 122		06/03/20 17:57	1
1,2-Dichloroethane-d4 (Surr)	90		73 - 131		06/03/20 17:57	1
Toluene-d8 (Surr)	108		80 - 120		06/03/20 17:57	1

Client Sample ID: OLF-G70

Lab Sample ID: 680-184196-4

Date Collected: 05/19/20 14:25

Matrix: Water

Date Received: 05/22/20 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			06/02/20 04:02	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 04:02	1
Benzene	0.43	U	1.0	0.43	ug/L			06/02/20 04:02	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 04:02	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 04:02	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 04:02	1
Bromomethane	2.5	U * *1	5.0	2.5	ug/L			06/02/20 04:02	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 04:02	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 04:02	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 04:02	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/02/20 04:02	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/02/20 04:02	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 04:02	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 04:02	1
cis-1,2-Dichloroethene	2.3		1.0	0.41	ug/L			06/02/20 04:02	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G70

Lab Sample ID: 680-184196-4

Date Collected: 05/19/20 14:25

Matrix: Water

Date Received: 05/22/20 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			06/02/20 04:02	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 04:02	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 04:02	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 04:02	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 04:02	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 04:02	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 04:02	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 04:02	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/02/20 04:02	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 04:02	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 04:02	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 04:02	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 04:02	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 04:02	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 04:02	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 04:02	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 04:02	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 04:02	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 04:02	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 04:02	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 04:02	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 04:02	1
Toluene	0.48	U	1.0	0.48	ug/L			06/02/20 04:02	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 04:02	1
trans-1,2-Dichloroethene	0.55	J	1.0	0.37	ug/L			06/02/20 04:02	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 04:02	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 04:02	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 04:02	1
Trichloroethene	12		1.0	0.48	ug/L			06/02/20 04:02	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 04:02	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 04:02	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 04:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/02/20 04:02	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		80 - 120		06/02/20 04:02	1
Dibromofluoromethane (Surr)	111		80 - 122		06/02/20 04:02	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		06/02/20 04:02	1
Toluene-d8 (Surr)	110		80 - 120		06/02/20 04:02	1

Client Sample ID: OLF-G26

Lab Sample ID: 680-184196-5

Date Collected: 05/20/20 13:30

Matrix: Water

Date Received: 05/22/20 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			06/03/20 18:20	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 18:20	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 18:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G26

Lab Sample ID: 680-184196-5

Date Collected: 05/20/20 13:30

Matrix: Water

Date Received: 05/22/20 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			06/03/20 18:20	1
Bromodichloromethane	0.44	U *1	1.0	0.44	ug/L			06/03/20 18:20	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 18:20	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/03/20 18:20	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 18:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 18:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 18:20	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 18:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 18:20	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 18:20	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 18:20	1
cis-1,3-Dichloropropene	0.40	U *1	1.0	0.40	ug/L			06/03/20 18:20	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 18:20	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 18:20	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 18:20	1
Dibromomethane	0.35	U * *1	1.0	0.35	ug/L			06/03/20 18:20	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 18:20	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 18:20	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 18:20	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 18:20	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 18:20	1
1,2-Dichloropropane	0.67	U *1 *	1.0	0.67	ug/L			06/03/20 18:20	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 18:20	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/03/20 18:20	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/03/20 18:20	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 18:20	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 18:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 18:20	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 18:20	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 18:20	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 18:20	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/03/20 18:20	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 18:20	1
Toluene	0.48	U *1 *	1.0	0.48	ug/L			06/03/20 18:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 18:20	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 18:20	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 18:20	1
1,1,1-Trichloroethane	0.37	U *1	1.0	0.37	ug/L			06/03/20 18:20	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 18:20	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/03/20 18:20	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 18:20	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 18:20	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 18:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		80 - 120		06/03/20 18:20	1
Dibromofluoromethane (Surr)	124	X	80 - 122		06/03/20 18:20	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131		06/03/20 18:20	1
Toluene-d8 (Surr)	108		80 - 120		06/03/20 18:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G26

Lab Sample ID: 680-184196-5

Date Collected: 05/20/20 13:30

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.57	J B	1.0	0.41	ug/L			06/03/20 03:50	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 03:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		80 - 120		06/03/20 03:50	1
Dibromofluoromethane (Surr)	132	X	80 - 122		06/03/20 03:50	1
1,2-Dichloroethane-d4 (Surr)	86		73 - 131		06/03/20 03:50	1
Toluene-d8 (Surr)	133	X	80 - 120		06/03/20 03:50	1

Client Sample ID: OLF-G50

Lab Sample ID: 680-184196-6

Date Collected: 05/20/20 11:51

Matrix: Water

Date Received: 05/22/20 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			06/03/20 18:44	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 18:44	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 18:44	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/03/20 18:44	1
Bromodichloromethane	0.44	U *1	1.0	0.44	ug/L			06/03/20 18:44	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 18:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/03/20 18:44	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 18:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 18:44	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 18:44	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 18:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 18:44	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 18:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 18:44	1
cis-1,2-Dichloroethene	5.1		1.0	0.41	ug/L			06/03/20 18:44	1
cis-1,3-Dichloropropene	0.40	U *1	1.0	0.40	ug/L			06/03/20 18:44	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 18:44	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 18:44	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 18:44	1
Dibromomethane	0.35	U * *1	1.0	0.35	ug/L			06/03/20 18:44	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 18:44	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 18:44	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 18:44	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 18:44	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 18:44	1
1,2-Dichloropropene	0.67	U *1 *	1.0	0.67	ug/L			06/03/20 18:44	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 18:44	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/03/20 18:44	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/03/20 18:44	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 18:44	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 18:44	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 18:44	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 18:44	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 18:44	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G50

Lab Sample ID: 680-184196-6

Date Collected: 05/20/20 11:51

Matrix: Water

Date Received: 05/22/20 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			06/03/20 18:44	1
1,1,2,2-Tetrachloroethane	18		1.0	0.62	ug/L			06/03/20 18:44	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 18:44	1
Toluene	0.48	U *1 *	1.0	0.48	ug/L			06/03/20 18:44	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 18:44	1
trans-1,2-Dichloroethene	1.1		1.0	0.37	ug/L			06/03/20 18:44	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 18:44	1
1,1,1-Trichloroethane	0.37	U *1	1.0	0.37	ug/L			06/03/20 18:44	1
1,1,2-Trichloroethane	0.57	J	1.0	0.33	ug/L			06/03/20 18:44	1
Trichloroethene	59		1.0	0.48	ug/L			06/03/20 18:44	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 18:44	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 18:44	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 18:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 18:44	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 18:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120					06/03/20 18:44	1
Dibromofluoromethane (Surr)	108		80 - 122					06/03/20 18:44	1
1,2-Dichloroethane-d4 (Surr)	89		73 - 131					06/03/20 18:44	1
Toluene-d8 (Surr)	107		80 - 120					06/03/20 18:44	1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-184196-7

Date Collected: 05/19/20 14:30

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.8	J F2	10	7.0	ug/L			06/02/20 03:22	1
Acrylonitrile	10	U F1 F2	20	10	ug/L			06/02/20 03:22	1
Benzene	0.92	J F2	1.0	0.43	ug/L			06/02/20 03:22	1
Bromochloromethane	0.45	U F2	1.0	0.45	ug/L			06/02/20 03:22	1
Bromodichloromethane	0.44	U F1 F2	1.0	0.44	ug/L			06/02/20 03:22	1
Bromoform	0.43	U F2	1.0	0.43	ug/L			06/02/20 03:22	1
Bromomethane	2.5	U * F1 F2	5.0	2.5	ug/L			06/02/20 03:22	1
2-Butanone (MEK)	3.4	U F1 F2	10	3.4	ug/L			06/02/20 03:22	1
Carbon disulfide	1.0	U F2	2.0	1.0	ug/L			06/02/20 03:22	1
Carbon tetrachloride	0.33	U F2	1.0	0.33	ug/L			06/02/20 03:22	1
Chlorobenzene	40	F1 F2	1.0	0.26	ug/L			06/02/20 03:22	1
Chloroethane	3.7	J F2	5.0	2.5	ug/L			06/02/20 03:22	1
Chloroform	0.50	U F1 F2	1.0	0.50	ug/L			06/02/20 03:22	1
Chloromethane	0.40	U F1 F2	1.0	0.40	ug/L			06/02/20 03:22	1
cis-1,2-Dichloroethene	0.61	J F1 F2	1.0	0.41	ug/L			06/02/20 03:22	1
cis-1,3-Dichloropropene	0.40	U F1 F2	1.0	0.40	ug/L			06/02/20 03:22	1
Dibromochloromethane	0.32	U F2	1.0	0.32	ug/L			06/02/20 03:22	1
1,2-Dibromo-3-Chloropropane	1.1	U F2	5.0	1.1	ug/L			06/02/20 03:22	1
1,2-Dibromoethane	0.44	U F1 F2	1.0	0.44	ug/L			06/02/20 03:22	1
Dibromomethane	0.35	U F1 F2	1.0	0.35	ug/L			06/02/20 03:22	1
1,2-Dichlorobenzene	0.37	U F1 F2	1.0	0.37	ug/L			06/02/20 03:22	1
1,4-Dichlorobenzene	0.46	U F1 F2	1.0	0.46	ug/L			06/02/20 03:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-184196-7

Date Collected: 05/19/20 14:30

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.38	U F1 F2	1.0	0.38	ug/L			06/02/20 03:22	1
1,2-Dichloroethane	6.8	F1	1.0	0.50	ug/L			06/02/20 03:22	1
1,1-Dichloroethene	0.36	U F2	1.0	0.36	ug/L			06/02/20 03:22	1
1,2-Dichloropropane	0.67	U F1 F2	1.0	0.67	ug/L			06/02/20 03:22	1
1,3-Dichloropropane	0.34	U F1 F2	1.0	0.34	ug/L			06/02/20 03:22	1
Ethylbenzene	0.33	U F1 F2	1.0	0.33	ug/L			06/02/20 03:22	1
2-Hexanone	2.0	U F1 F2	10	2.0	ug/L			06/02/20 03:22	1
Iodomethane	5.0	U F2	10	5.0	ug/L			06/02/20 03:22	1
Methylene Chloride	2.5	U F1 F2	5.0	2.5	ug/L			06/02/20 03:22	1
4-Methyl-2-pentanone (MIBK)	2.1	U F1 F2	10	2.1	ug/L			06/02/20 03:22	1
Methyl tert-butyl ether	0.30	U F1 F2	10	0.30	ug/L			06/02/20 03:22	1
Styrene	0.27	U F1 F2	1.0	0.27	ug/L			06/02/20 03:22	1
1,1,1,2-Tetrachloroethane	0.37	U F1 F2	1.0	0.37	ug/L			06/02/20 03:22	1
1,1,2,2-Tetrachloroethane	0.62	U F2	1.0	0.62	ug/L			06/02/20 03:22	1
Tetrachloroethylene	0.74	U F2	1.0	0.74	ug/L			06/02/20 03:22	1
Toluene	6.7	F1 F2	1.0	0.48	ug/L			06/02/20 03:22	1
trans-1,4-Dichloro-2-butene	0.51	U F2	2.0	0.51	ug/L			06/02/20 03:22	1
trans-1,2-Dichloroethene	0.81	J F1 F2	1.0	0.37	ug/L			06/02/20 03:22	1
trans-1,3-Dichloropropene	0.42	U F2	1.0	0.42	ug/L			06/02/20 03:22	1
1,1,1-Trichloroethane	0.37	U F2	1.0	0.37	ug/L			06/02/20 03:22	1
1,1,2-Trichloroethane	0.33	U F1 F2	1.0	0.33	ug/L			06/02/20 03:22	1
Trichloroethene	0.48	U F1 F2	1.0	0.48	ug/L			06/02/20 03:22	1
Trichlorofluoromethane	0.42	U F2	1.0	0.42	ug/L			06/02/20 03:22	1
1,2,3-Trichloropropane	0.39	U F2	1.0	0.39	ug/L			06/02/20 03:22	1
Vinyl acetate	0.81	U F2	2.0	0.81	ug/L			06/02/20 03:22	1
Vinyl chloride	0.50	U F2	1.0	0.50	ug/L			06/02/20 03:22	1
Xylenes, Total	0.23	U F1 F2	1.0	0.23	ug/L			06/02/20 03:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		06/02/20 03:22	1
Dibromofluoromethane (Surr)	112		80 - 122		06/02/20 03:22	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/02/20 03:22	1
Toluene-d8 (Surr)	111		80 - 120		06/02/20 03:22	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	20	F1	1.1	0.55	ug/L			06/01/20 17:37	1
Ethene	47	F1	1.0	0.50	ug/L			06/01/20 17:37	1
Methane (TCD)	24000		390	39	ug/L			06/01/20 17:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	16		1.0	0.50	mg/L			05/29/20 02:37	1
Total Organic Carbon - Quad	16		1.0	0.50	mg/L			05/29/20 02:37	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-184196-8

Date Collected: 05/19/20 15:10

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		10	7.0	ug/L			06/01/20 21:09	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 21:09	1
Benzene	1.5		1.0	0.43	ug/L			06/01/20 21:09	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 21:09	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 21:09	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 21:09	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/01/20 21:09	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/01/20 21:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 21:09	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/01/20 21:09	1
Chlorobenzene	31		1.0	0.26	ug/L			06/01/20 21:09	1
Chloroethane	5.0		5.0	2.5	ug/L			06/01/20 21:09	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 21:09	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 21:09	1
cis-1,2-Dichloroethene	3.7		1.0	0.41	ug/L			06/01/20 21:09	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 21:09	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 21:09	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 21:09	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 21:09	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 21:09	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 21:09	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 21:09	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 21:09	1
1,2-Dichloroethane	2.5		1.0	0.50	ug/L			06/01/20 21:09	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 21:09	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 21:09	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 21:09	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 21:09	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 21:09	1
Iodomethane	5.0	U	10	5.0	ug/L			06/01/20 21:09	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 21:09	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 21:09	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 21:09	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 21:09	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 21:09	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/01/20 21:09	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 21:09	1
Toluene	7.9		1.0	0.48	ug/L			06/01/20 21:09	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 21:09	1
trans-1,2-Dichloroethene	4.0		1.0	0.37	ug/L			06/01/20 21:09	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/01/20 21:09	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 21:09	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 21:09	1
Trichloroethene	1.9		1.0	0.48	ug/L			06/01/20 21:09	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 21:09	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 21:09	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 21:09	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/01/20 21:09	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 21:09	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-184196-8

Date Collected: 05/19/20 15:10

Matrix: Water

Date Received: 05/22/20 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		06/01/20 21:09	1
Dibromofluoromethane (Surr)	110		80 - 122		06/01/20 21:09	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		06/01/20 21:09	1
Toluene-d8 (Surr)	112		80 - 120		06/01/20 21:09	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	1.5		1.1	0.55	ug/L			06/01/20 16:20	1
Ethene	4.3		1.0	0.50	ug/L			06/01/20 16:20	1
Methane (TCD)	10000		390	39	ug/L			06/01/20 16:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	88		1.0	0.50	mg/L			05/29/20 03:26	1
Total Organic Carbon - Quad	88		1.0	0.50	mg/L			05/29/20 03:26	1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-184196-9

Date Collected: 05/19/20 15:30

Matrix: Water

Date Received: 05/22/20 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			06/01/20 21:32	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 21:32	1
Benzene	0.84	J	1.0	0.43	ug/L			06/01/20 21:32	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 21:32	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 21:32	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 21:32	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/01/20 21:32	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/01/20 21:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 21:32	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/01/20 21:32	1
Chlorobenzene	13		1.0	0.26	ug/L			06/01/20 21:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/01/20 21:32	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 21:32	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 21:32	1
cis-1,2-Dichloroethene	0.55	J	1.0	0.41	ug/L			06/01/20 21:32	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 21:32	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 21:32	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 21:32	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 21:32	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 21:32	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 21:32	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 21:32	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 21:32	1
1,2-Dichloroethane	1.8		1.0	0.50	ug/L			06/01/20 21:32	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 21:32	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 21:32	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 21:32	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 21:32	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 21:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-184196-9

Date Collected: 05/19/20 15:30

Matrix: Water

Date Received: 05/22/20 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			06/01/20 21:32	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 21:32	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 21:32	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 21:32	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 21:32	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 21:32	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/01/20 21:32	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 21:32	1
Toluene	7.6		1.0	0.48	ug/L			06/01/20 21:32	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 21:32	1
trans-1,2-Dichloroethene	2.9		1.0	0.37	ug/L			06/01/20 21:32	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/01/20 21:32	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 21:32	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 21:32	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/01/20 21:32	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 21:32	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 21:32	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 21:32	1
Vinyl chloride	0.67	J	1.0	0.50	ug/L			06/01/20 21:32	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		06/01/20 21:32	1
Dibromofluoromethane (Surr)	113		80 - 122		06/01/20 21:32	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131		06/01/20 21:32	1
Toluene-d8 (Surr)	111		80 - 120		06/01/20 21:32	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	47		1.1	0.55	ug/L			06/01/20 16:32	1
Ethene	14		1.0	0.50	ug/L			06/01/20 16:32	1
Methane (TCD)	15000		390	39	ug/L			06/01/20 16:32	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			05/29/20 03:44	1
Total Organic Carbon - Quad	4.7		1.0	0.50	mg/L			05/29/20 03:44	1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-184196-10

Date Collected: 05/19/20 15:55

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	23		10	7.0	ug/L			06/01/20 21:56	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 21:56	1
Benzene	0.43	U	1.0	0.43	ug/L			06/01/20 21:56	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 21:56	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 21:56	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 21:56	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/01/20 21:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-184196-10

Date Collected: 05/19/20 15:55

Matrix: Water

Date Received: 05/22/20 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			06/01/20 21:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 21:56	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/01/20 21:56	1
Chlorobenzene	6.5		1.0	0.26	ug/L			06/01/20 21:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/01/20 21:56	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 21:56	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 21:56	1
cis-1,2-Dichloroethene	1.3		1.0	0.41	ug/L			06/01/20 21:56	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 21:56	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 21:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 21:56	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 21:56	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 21:56	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 21:56	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 21:56	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 21:56	1
1,2-Dichloroethane	1.7		1.0	0.50	ug/L			06/01/20 21:56	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 21:56	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 21:56	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 21:56	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 21:56	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 21:56	1
Iodomethane	5.0	U	10	5.0	ug/L			06/01/20 21:56	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 21:56	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 21:56	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 21:56	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 21:56	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 21:56	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/01/20 21:56	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 21:56	1
Toluene	8.1		1.0	0.48	ug/L			06/01/20 21:56	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 21:56	1
trans-1,2-Dichloroethene	1.5		1.0	0.37	ug/L			06/01/20 21:56	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/01/20 21:56	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 21:56	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 21:56	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/01/20 21:56	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 21:56	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 21:56	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 21:56	1
Vinyl chloride	1.4		1.0	0.50	ug/L			06/01/20 21:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		06/01/20 21:56	1
Dibromofluoromethane (Surr)	112		80 - 122		06/01/20 21:56	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/01/20 21:56	1
Toluene-d8 (Surr)	111		80 - 120		06/01/20 21:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-184196-10

Date Collected: 05/19/20 15:55

Matrix: Water

Date Received: 05/22/20 09:30

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			06/01/20 16:45	1
Ethene	2.4		1.0	0.50	ug/L			06/01/20 16:45	1
Methane (TCD)	18000		390	39	ug/L			06/01/20 16:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	13		1.0	0.50	mg/L			05/29/20 04:00	1
Total Organic Carbon - Quad	13		1.0	0.50	mg/L			05/29/20 04:00	1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-184196-11

Date Collected: 05/19/20 16:20

Matrix: Water

Date Received: 05/22/20 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			06/01/20 22:19	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 22:19	1
Benzene	0.43	U	1.0	0.43	ug/L			06/01/20 22:19	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 22:19	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 22:19	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 22:19	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/01/20 22:19	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/01/20 22:19	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 22:19	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/01/20 22:19	1
Chlorobenzene	1.2		1.0	0.26	ug/L			06/01/20 22:19	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/01/20 22:19	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 22:19	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 22:19	1
cis-1,2-Dichloroethene	7.9		1.0	0.41	ug/L			06/01/20 22:19	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 22:19	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 22:19	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 22:19	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 22:19	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 22:19	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 22:19	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 22:19	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 22:19	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/01/20 22:19	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 22:19	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 22:19	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 22:19	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 22:19	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 22:19	1
Iodomethane	5.0	U	10	5.0	ug/L			06/01/20 22:19	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 22:19	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 22:19	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 22:19	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 22:19	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 22:19	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-184196-11

Date Collected: 05/19/20 16:20

Matrix: Water

Date Received: 05/22/20 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			06/01/20 22:19	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 22:19	1
Toluene	5.0		1.0	0.48	ug/L			06/01/20 22:19	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 22:19	1
trans-1,2-Dichloroethene	1.8		1.0	0.37	ug/L			06/01/20 22:19	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/01/20 22:19	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 22:19	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 22:19	1
Trichloroethene	14		1.0	0.48	ug/L			06/01/20 22:19	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 22:19	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 22:19	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 22:19	1
Vinyl chloride	1.3		1.0	0.50	ug/L			06/01/20 22:19	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120		06/01/20 22:19	1
Dibromofluoromethane (Surr)	112		80 - 122		06/01/20 22:19	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131		06/01/20 22:19	1
Toluene-d8 (Surr)	111		80 - 120		06/01/20 22:19	1

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			06/01/20 16:58	1
Ethene	6.1		1.0	0.50	ug/L			06/01/20 16:58	1
Methane (TCD)	9200		390	39	ug/L			06/01/20 16:58	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			05/29/20 04:18	1
Total Organic Carbon - Quad	1.1		1.0	0.50	mg/L			05/29/20 04:18	1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-184196-12

Date Collected: 05/19/20 16:40

Matrix: Water

Date Received: 05/22/20 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			06/01/20 22:42	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 22:42	1
Benzene	0.43	U	1.0	0.43	ug/L			06/01/20 22:42	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 22:42	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 22:42	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 22:42	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/01/20 22:42	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/01/20 22:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 22:42	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/01/20 22:42	1
Chlorobenzene	0.27	J	1.0	0.26	ug/L			06/01/20 22:42	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/01/20 22:42	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 22:42	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-184196-12

Date Collected: 05/19/20 16:40

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 22:42	1
cis-1,2-Dichloroethene	2.5		1.0	0.41	ug/L			06/01/20 22:42	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 22:42	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 22:42	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 22:42	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 22:42	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 22:42	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 22:42	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 22:42	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 22:42	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/01/20 22:42	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 22:42	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 22:42	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 22:42	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 22:42	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 22:42	1
Iodomethane	5.0	U	10	5.0	ug/L			06/01/20 22:42	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 22:42	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 22:42	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 22:42	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 22:42	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 22:42	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/01/20 22:42	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 22:42	1
Toluene	0.48	U	1.0	0.48	ug/L			06/01/20 22:42	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 22:42	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/01/20 22:42	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/01/20 22:42	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 22:42	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 22:42	1
Trichloroethene	17		1.0	0.48	ug/L			06/01/20 22:42	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 22:42	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 22:42	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 22:42	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/01/20 22:42	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 22:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		06/01/20 22:42	1
Dibromofluoromethane (Surr)	111		80 - 122		06/01/20 22:42	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131		06/01/20 22:42	1
Toluene-d8 (Surr)	110		80 - 120		06/01/20 22:42	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.6	H	1.1	0.55	ug/L			06/03/20 11:51	1
Ethene	3.7	H	1.0	0.50	ug/L			06/03/20 11:51	1
Methane (TCD)	860	H	390	39	ug/L			06/03/20 11:51	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-184196-12

Date Collected: 05/19/20 16:40

Matrix: Water

Date Received: 05/22/20 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.63	J	1.0	0.50	mg/L			05/29/20 04:36	1
Total Organic Carbon - Quad	0.63	J	1.0	0.50	mg/L			05/29/20 04:36	1

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-184196-13

Date Collected: 05/18/20 16:55

Matrix: Water

Date Received: 05/22/20 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			05/31/20 13:01	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 13:01	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 13:01	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 13:01	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 13:01	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 13:01	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 13:01	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 13:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 13:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 13:01	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 13:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 13:01	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 13:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 13:01	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 13:01	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 13:01	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 13:01	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 13:01	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 13:01	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 13:01	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 13:01	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 13:01	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 13:01	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 13:01	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 13:01	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 13:01	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 13:01	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 13:01	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 13:01	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 13:01	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 13:01	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 13:01	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 13:01	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 13:01	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 13:01	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 13:01	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 13:01	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 13:01	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 13:01	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 13:01	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 13:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-184196-13

Date Collected: 05/18/20 16:55

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 13:01	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 13:01	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 13:01	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 13:01	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 13:01	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 13:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 13:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 13:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		80 - 120		05/31/20 13:01	1
Dibromofluoromethane (Surr)	109		80 - 122		05/31/20 13:01	1
1,2-Dichloroethane-d4 (Surr)	94		73 - 131		05/31/20 13:01	1
Toluene-d8 (Surr)	107		80 - 120		05/31/20 13:01	1

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-184196-14

Date Collected: 05/18/20 15:35

Matrix: Water

Date Received: 05/22/20 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			05/31/20 13:25	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 13:25	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 13:25	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 13:25	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 13:25	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 13:25	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 13:25	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 13:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 13:25	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 13:25	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 13:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 13:25	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 13:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 13:25	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 13:25	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 13:25	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 13:25	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 13:25	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 13:25	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 13:25	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 13:25	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 13:25	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 13:25	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 13:25	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 13:25	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 13:25	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 13:25	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 13:25	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 13:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-184196-14

Date Collected: 05/18/20 15:35

Matrix: Water

Date Received: 05/22/20 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			05/31/20 13:25	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 13:25	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 13:25	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 13:25	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 13:25	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 13:25	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 13:25	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 13:25	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 13:25	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 13:25	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 13:25	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 13:25	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 13:25	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 13:25	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 13:25	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 13:25	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 13:25	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 13:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 13:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 13:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121	X	80 - 120		05/31/20 13:25	1
Dibromofluoromethane (Surr)	109		80 - 122		05/31/20 13:25	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		05/31/20 13:25	1
Toluene-d8 (Surr)	108		80 - 120		05/31/20 13:25	1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-184196-15

Date Collected: 05/18/20 14:25

Matrix: Water

Date Received: 05/22/20 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			05/31/20 13:48	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 13:48	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 13:48	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 13:48	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 13:48	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 13:48	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 13:48	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 13:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 13:48	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 13:48	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 13:48	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 13:48	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 13:48	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 13:48	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 13:48	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 13:48	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 13:48	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-184196-15

Date Collected: 05/18/20 14:25

Matrix: Water

Date Received: 05/22/20 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			05/31/20 13:48	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 13:48	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 13:48	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 13:48	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 13:48	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 13:48	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 13:48	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 13:48	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 13:48	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 13:48	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 13:48	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 13:48	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 13:48	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 13:48	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 13:48	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 13:48	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 13:48	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 13:48	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 13:48	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 13:48	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 13:48	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 13:48	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 13:48	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 13:48	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 13:48	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 13:48	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 13:48	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 13:48	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 13:48	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 13:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 13:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		80 - 120		05/31/20 13:48	1
Dibromofluoromethane (Surr)	110		80 - 122		05/31/20 13:48	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		05/31/20 13:48	1
Toluene-d8 (Surr)	107		80 - 120		05/31/20 13:48	1

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-184196-16

Date Collected: 05/18/20 13:10

Matrix: Water

Date Received: 05/22/20 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			05/31/20 14:12	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 14:12	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 14:12	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 14:12	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 14:12	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-184196-16

Date Collected: 05/18/20 13:10

Matrix: Water

Date Received: 05/22/20 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			05/31/20 14:12	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 14:12	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 14:12	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 14:12	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 14:12	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 14:12	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 14:12	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 14:12	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 14:12	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 14:12	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 14:12	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 14:12	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 14:12	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 14:12	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 14:12	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 14:12	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 14:12	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 14:12	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 14:12	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 14:12	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 14:12	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 14:12	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 14:12	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 14:12	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 14:12	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 14:12	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 14:12	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 14:12	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 14:12	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 14:12	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 14:12	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 14:12	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 14:12	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 14:12	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 14:12	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 14:12	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 14:12	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 14:12	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 14:12	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 14:12	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 14:12	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 14:12	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 14:12	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		80 - 120		05/31/20 14:12	1
Dibromofluoromethane (Surr)	108		80 - 122		05/31/20 14:12	1
1,2-Dichloroethane-d4 (Surr)	96		73 - 131		05/31/20 14:12	1
Toluene-d8 (Surr)	118		80 - 120		05/31/20 14:12	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-184196-17

Date Collected: 05/18/20 12:00

Matrix: Water

Date Received: 05/22/20 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			05/31/20 14:35	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 14:35	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 14:35	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 14:35	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 14:35	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 14:35	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 14:35	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 14:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 14:35	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 14:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 14:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 14:35	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 14:35	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 14:35	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 14:35	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 14:35	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 14:35	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 14:35	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 14:35	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 14:35	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 14:35	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 14:35	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 14:35	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 14:35	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 14:35	1
1,2-Dichloropropene	0.67	U *	1.0	0.67	ug/L			05/31/20 14:35	1
1,3-Dichloropropene	0.34	U	1.0	0.34	ug/L			05/31/20 14:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 14:35	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 14:35	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 14:35	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 14:35	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 14:35	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 14:35	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 14:35	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 14:35	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 14:35	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 14:35	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 14:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 14:35	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 14:35	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 14:35	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 14:35	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 14:35	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 14:35	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 14:35	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 14:35	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 14:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 14:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 14:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G75 Screen 5

Date Collected: 05/18/20 12:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-17

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		80 - 120		05/31/20 14:35	1
Dibromofluoromethane (Surr)	110		80 - 122		05/31/20 14:35	1
1,2-Dichloroethane-d4 (Surr)	94		73 - 131		05/31/20 14:35	1
Toluene-d8 (Surr)	117		80 - 120		05/31/20 14:35	1

Client Sample ID: OLF-G75 Screen 6

Date Collected: 05/18/20 10:10

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-18

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			05/31/20 14:59	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 14:59	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 14:59	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 14:59	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 14:59	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 14:59	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 14:59	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 14:59	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 14:59	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 14:59	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 14:59	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 14:59	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 14:59	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 14:59	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 14:59	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 14:59	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 14:59	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 14:59	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 14:59	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 14:59	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 14:59	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 14:59	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 14:59	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 14:59	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 14:59	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 14:59	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 14:59	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 14:59	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 14:59	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 14:59	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 14:59	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 14:59	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 14:59	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 14:59	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 14:59	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 14:59	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 14:59	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 14:59	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 14:59	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G75 Screen 6

Lab Sample ID: 680-184196-18

Date Collected: 05/18/20 10:10

Matrix: Water

Date Received: 05/22/20 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			05/31/20 14:59	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 14:59	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 14:59	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 14:59	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 14:59	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 14:59	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 14:59	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 14:59	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 14:59	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		80 - 120		05/31/20 14:59	1
Dibromofluoromethane (Surr)	108		80 - 122		05/31/20 14:59	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131		05/31/20 14:59	1
Toluene-d8 (Surr)	117		80 - 120		05/31/20 14:59	1

Client Sample ID: OLF-G51

Lab Sample ID: 680-184196-19

Date Collected: 05/20/20 15:11

Matrix: Water

Date Received: 05/22/20 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			06/03/20 11:11	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 11:11	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 11:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/03/20 11:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/03/20 11:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 11:11	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/03/20 11:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 11:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 11:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 11:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 11:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 11:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 11:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 11:11	1
cis-1,2-Dichloroethene	0.44	J	1.0	0.41	ug/L			06/03/20 11:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/03/20 11:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 11:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 11:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 11:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/03/20 11:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 11:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 11:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 11:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 11:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 11:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/03/20 11:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 11:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G51

Lab Sample ID: 680-184196-19

Date Collected: 05/20/20 15:11

Matrix: Water

Date Received: 05/22/20 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			06/03/20 11:11	1
2-Hexanone	2.0	U *	10	2.0	ug/L			06/03/20 11:11	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 11:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 11:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 11:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 11:11	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 11:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 11:11	1
1,1,2,2-Tetrachloroethane	0.89	J	1.0	0.62	ug/L			06/03/20 11:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 11:11	1
Toluene	0.48	U	1.0	0.48	ug/L			06/03/20 11:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 11:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 11:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 11:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 11:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 11:11	1
Trichloroethene	3.2		1.0	0.48	ug/L			06/03/20 11:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 11:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 11:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 11:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 11:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 11:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		06/03/20 11:11	1
Dibromofluoromethane (Surr)	110		80 - 122		06/03/20 11:11	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		06/03/20 11:11	1
Toluene-d8 (Surr)	109		80 - 120		06/03/20 11:11	1

Client Sample ID: OLF-G49

Lab Sample ID: 680-184196-20

Date Collected: 05/20/20 09:41

Matrix: Water

Date Received: 05/22/20 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			06/03/20 11:35	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 11:35	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 11:35	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/03/20 11:35	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/03/20 11:35	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 11:35	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/03/20 11:35	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 11:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 11:35	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 11:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 11:35	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 11:35	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 11:35	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 11:35	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/03/20 11:35	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G49

Lab Sample ID: 680-184196-20

Date Collected: 05/20/20 09:41

Matrix: Water

Date Received: 05/22/20 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			06/03/20 11:35	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 11:35	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 11:35	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 11:35	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/03/20 11:35	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 11:35	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 11:35	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 11:35	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 11:35	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 11:35	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/03/20 11:35	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 11:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/03/20 11:35	1
2-Hexanone	2.0	U *	10	2.0	ug/L			06/03/20 11:35	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 11:35	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 11:35	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 11:35	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 11:35	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 11:35	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 11:35	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/03/20 11:35	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 11:35	1
Toluene	0.48	U	1.0	0.48	ug/L			06/03/20 11:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 11:35	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 11:35	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 11:35	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 11:35	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 11:35	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/03/20 11:35	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 11:35	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 11:35	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 11:35	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 11:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 11:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		06/03/20 11:35	1
Dibromofluoromethane (Surr)	110		80 - 122		06/03/20 11:35	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		06/03/20 11:35	1
Toluene-d8 (Surr)	110		80 - 120		06/03/20 11:35	1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-184196-21

Date Collected: 05/20/20 16:15

Matrix: Water

Date Received: 05/22/20 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			06/03/20 11:58	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 11:58	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 11:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-184196-21

Date Collected: 05/20/20 16:15

Matrix: Water

Date Received: 05/22/20 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			06/03/20 11:58	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/03/20 11:58	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 11:58	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/03/20 11:58	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 11:58	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 11:58	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 11:58	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 11:58	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 11:58	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 11:58	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 11:58	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/03/20 11:58	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/03/20 11:58	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 11:58	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 11:58	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 11:58	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/03/20 11:58	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 11:58	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 11:58	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 11:58	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 11:58	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 11:58	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/03/20 11:58	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 11:58	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/03/20 11:58	1
2-Hexanone	2.0	U *	10	2.0	ug/L			06/03/20 11:58	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 11:58	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 11:58	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 11:58	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 11:58	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 11:58	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 11:58	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/03/20 11:58	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 11:58	1
Toluene	0.48	U	1.0	0.48	ug/L			06/03/20 11:58	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 11:58	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 11:58	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 11:58	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 11:58	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 11:58	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/03/20 11:58	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 11:58	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 11:58	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 11:58	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 11:58	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		06/03/20 11:58	1
Dibromofluoromethane (Surr)	111		80 - 122		06/03/20 11:58	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-184196-21

Date Collected: 05/20/20 16:15

Matrix: Water

Date Received: 05/22/20 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		73 - 131		06/03/20 11:58	1
Toluene-d8 (Surr)	111		80 - 120		06/03/20 11:58	1

Client Sample ID: DUP348

Lab Sample ID: 680-184196-22

Date Collected: 05/19/20 00:00

Matrix: Water

Date Received: 05/22/20 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			06/01/20 23:05	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 23:05	1
Benzene	0.43	U	1.0	0.43	ug/L			06/01/20 23:05	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 23:05	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 23:05	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 23:05	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/01/20 23:05	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/01/20 23:05	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 23:05	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/01/20 23:05	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/01/20 23:05	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/01/20 23:05	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 23:05	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 23:05	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/01/20 23:05	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 23:05	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 23:05	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 23:05	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 23:05	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 23:05	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 23:05	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 23:05	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 23:05	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/01/20 23:05	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 23:05	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 23:05	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 23:05	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 23:05	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 23:05	1
Iodomethane	5.0	U	10	5.0	ug/L			06/01/20 23:05	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 23:05	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 23:05	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 23:05	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 23:05	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 23:05	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/01/20 23:05	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 23:05	1
Toluene	0.48	U	1.0	0.48	ug/L			06/01/20 23:05	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 23:05	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/01/20 23:05	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: DUP348

Date Collected: 05/19/20 00:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-22

Matrix: Water

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			06/01/20 23:05	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 23:05	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 23:05	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/01/20 23:05	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 23:05	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 23:05	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 23:05	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/01/20 23:05	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		80 - 120					06/01/20 23:05	1
Dibromofluoromethane (Surr)	112		80 - 122					06/01/20 23:05	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131					06/01/20 23:05	1
Toluene-d8 (Surr)	111		80 - 120					06/01/20 23:05	1

Client Sample ID: DUP347

Date Collected: 05/20/20 00:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-23

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			06/03/20 12:21	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 12:21	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 12:21	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/03/20 12:21	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/03/20 12:21	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 12:21	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/03/20 12:21	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 12:21	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 12:21	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 12:21	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 12:21	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 12:21	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 12:21	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 12:21	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/03/20 12:21	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/03/20 12:21	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 12:21	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 12:21	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 12:21	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/03/20 12:21	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 12:21	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 12:21	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 12:21	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 12:21	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 12:21	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/03/20 12:21	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 12:21	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/03/20 12:21	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: DUP347

Lab Sample ID: 680-184196-23

Date Collected: 05/20/20 00:00

Matrix: Water

Date Received: 05/22/20 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			06/03/20 12:21	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 12:21	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 12:21	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 12:21	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 12:21	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 12:21	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 12:21	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/03/20 12:21	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 12:21	1
Toluene	0.48	U	1.0	0.48	ug/L			06/03/20 12:21	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 12:21	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 12:21	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 12:21	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 12:21	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 12:21	1
Trichloroethene	1.3		1.0	0.48	ug/L			06/03/20 12:21	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 12:21	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 12:21	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 12:21	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 12:21	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 12:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		06/03/20 12:21	1
Dibromofluoromethane (Surr)	112		80 - 122		06/03/20 12:21	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		06/03/20 12:21	1
Toluene-d8 (Surr)	111		80 - 120		06/03/20 12:21	1

Client Sample ID: DUP349

Lab Sample ID: 680-184196-24

Date Collected: 05/19/20 00:00

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		10	7.0	ug/L			06/02/20 02:07	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 02:07	1
Benzene	1.8		1.0	0.43	ug/L			06/02/20 02:07	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 02:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 02:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 02:07	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 02:07	1
2-Butanone (MEK)	19		10	3.4	ug/L			06/02/20 02:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 02:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 02:07	1
Chlorobenzene	37		1.0	0.26	ug/L			06/02/20 02:07	1
Chloroethane	7.1		5.0	2.5	ug/L			06/02/20 02:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 02:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 02:07	1
cis-1,2-Dichloroethene	2.7		1.0	0.41	ug/L			06/02/20 02:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 02:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: DUP349

Lab Sample ID: 680-184196-24

Date Collected: 05/19/20 00:00

Matrix: Water

Date Received: 05/22/20 09:30

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			06/02/20 02:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 02:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 02:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 02:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 02:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 02:07	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 02:07	1
1,2-Dichloroethane	1.9		1.0	0.50	ug/L			06/02/20 02:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 02:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 02:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 02:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 02:07	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 02:07	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 02:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 02:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 02:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 02:07	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 02:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 02:07	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 02:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 02:07	1
Toluene	8.7		1.0	0.48	ug/L			06/02/20 02:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 02:07	1
trans-1,2-Dichloroethene	4.4		1.0	0.37	ug/L			06/02/20 02:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 02:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 02:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 02:07	1
Trichloroethene	0.70	J	1.0	0.48	ug/L			06/02/20 02:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 02:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 02:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 02:07	1
Vinyl chloride	0.84	J	1.0	0.50	ug/L			06/02/20 02:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		80 - 120		06/02/20 02:07	1
Dibromofluoromethane (Surr)	103		80 - 122		06/02/20 02:07	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131		06/02/20 02:07	1
Toluene-d8 (Surr)	101		80 - 120		06/02/20 02:07	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			06/01/20 17:24	1
Ethene	9.9		1.0	0.50	ug/L			06/01/20 17:24	1
Methane (TCD)	18000		390	39	ug/L			06/01/20 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	87		1.0	0.50	mg/L			05/29/20 04:51	1
Total Organic Carbon - Quad	87		1.0	0.50	mg/L			05/29/20 04:51	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: TB555

Lab Sample ID: 680-184196-25

Date Collected: 05/21/20 14:20

Matrix: Water

Date Received: 05/22/20 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			06/04/20 06:25	1
Acrylonitrile	10	U	20	10	ug/L			06/04/20 06:25	1
Benzene	0.43	U	1.0	0.43	ug/L			06/04/20 06:25	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/04/20 06:25	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/04/20 06:25	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/04/20 06:25	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/04/20 06:25	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/04/20 06:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/04/20 06:25	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/04/20 06:25	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/04/20 06:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/04/20 06:25	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/04/20 06:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/04/20 06:25	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/04/20 06:25	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/04/20 06:25	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/04/20 06:25	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/04/20 06:25	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/04/20 06:25	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/04/20 06:25	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/04/20 06:25	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/04/20 06:25	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/04/20 06:25	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/04/20 06:25	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/04/20 06:25	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/04/20 06:25	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/04/20 06:25	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/04/20 06:25	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/04/20 06:25	1
Iodomethane	5.0	U	10	5.0	ug/L			06/04/20 06:25	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/04/20 06:25	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/04/20 06:25	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/04/20 06:25	1
Styrene	0.27	U *	1.0	0.27	ug/L			06/04/20 06:25	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/04/20 06:25	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/04/20 06:25	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/04/20 06:25	1
Toluene	0.48	U	1.0	0.48	ug/L			06/04/20 06:25	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/04/20 06:25	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/04/20 06:25	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/04/20 06:25	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/04/20 06:25	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/04/20 06:25	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/04/20 06:25	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/04/20 06:25	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/04/20 06:25	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/04/20 06:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/04/20 06:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/04/20 06:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: TB555

Date Collected: 05/21/20 14:20

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-25

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		80 - 120		06/04/20 06:25	1
Dibromofluoromethane (Surr)	126	X	80 - 122		06/04/20 06:25	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		06/04/20 06:25	1
Toluene-d8 (Surr)	98		80 - 120		06/04/20 06:25	1

Client Sample ID: OLF-G71 Port 1

Date Collected: 05/19/20 10:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-26

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			06/02/20 02:30	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 02:30	1
Benzene	1.1		1.0	0.43	ug/L			06/02/20 02:30	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 02:30	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 02:30	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 02:30	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 02:30	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 02:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 02:30	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 02:30	1
Chlorobenzene	5.7		1.0	0.26	ug/L			06/02/20 02:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 02:30	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 02:30	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 02:30	1
cis-1,2-Dichloroethene	140		1.0	0.41	ug/L			06/02/20 02:30	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 02:30	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 02:30	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 02:30	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 02:30	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 02:30	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 02:30	1
1,4-Dichlorobenzene	0.57	J	1.0	0.46	ug/L			06/02/20 02:30	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 02:30	1
1,2-Dichloroethane	0.97	J	1.0	0.50	ug/L			06/02/20 02:30	1
1,1-Dichloroethene	0.92	J	1.0	0.36	ug/L			06/02/20 02:30	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 02:30	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 02:30	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 02:30	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 02:30	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 02:30	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 02:30	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 02:30	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 02:30	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 02:30	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 02:30	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 02:30	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 02:30	1
Toluene	2.6		1.0	0.48	ug/L			06/02/20 02:30	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 02:30	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-184196-26

Date Collected: 05/19/20 10:00

Matrix: Water

Date Received: 05/22/20 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	20		1.0	0.37	ug/L			06/02/20 02:30	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 02:30	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 02:30	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 02:30	1
Trichloroethene	46		1.0	0.48	ug/L			06/02/20 02:30	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 02:30	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 02:30	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 02:30	1
Vinyl chloride	10		1.0	0.50	ug/L			06/02/20 02:30	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		06/02/20 02:30	1
Dibromofluoromethane (Surr)	105		80 - 122		06/02/20 02:30	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131		06/02/20 02:30	1
Toluene-d8 (Surr)	101		80 - 120		06/02/20 02:30	1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-184196-27

Date Collected: 05/19/20 10:30

Matrix: Water

Date Received: 05/22/20 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			06/02/20 02:54	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 02:54	1
Benzene	0.65	J	1.0	0.43	ug/L			06/02/20 02:54	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 02:54	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 02:54	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 02:54	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 02:54	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 02:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 02:54	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 02:54	1
Chlorobenzene	1.6		1.0	0.26	ug/L			06/02/20 02:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 02:54	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 02:54	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 02:54	1
cis-1,2-Dichloroethene	43		1.0	0.41	ug/L			06/02/20 02:54	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 02:54	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 02:54	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 02:54	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 02:54	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 02:54	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 02:54	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 02:54	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 02:54	1
1,2-Dichloroethane	0.55	J	1.0	0.50	ug/L			06/02/20 02:54	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 02:54	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 02:54	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 02:54	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-184196-27

Date Collected: 05/19/20 10:30

Matrix: Water

Date Received: 05/22/20 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			06/02/20 02:54	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 02:54	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 02:54	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 02:54	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 02:54	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 02:54	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 02:54	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 02:54	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 02:54	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 02:54	1
Toluene	2.4		1.0	0.48	ug/L			06/02/20 02:54	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 02:54	1
trans-1,2-Dichloroethene	3.3		1.0	0.37	ug/L			06/02/20 02:54	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 02:54	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 02:54	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 02:54	1
Trichloroethene	3.4		1.0	0.48	ug/L			06/02/20 02:54	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 02:54	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 02:54	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 02:54	1
Vinyl chloride	2.5		1.0	0.50	ug/L			06/02/20 02:54	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 02:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		06/02/20 02:54	1
Dibromofluoromethane (Surr)	104		80 - 122		06/02/20 02:54	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131		06/02/20 02:54	1
Toluene-d8 (Surr)	101		80 - 120		06/02/20 02:54	1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-184196-28

Date Collected: 05/19/20 10:50

Matrix: Water

Date Received: 05/22/20 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			06/02/20 03:17	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 03:17	1
Benzene	0.79	J	1.0	0.43	ug/L			06/02/20 03:17	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 03:17	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 03:17	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 03:17	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 03:17	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 03:17	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 03:17	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 03:17	1
Chlorobenzene	2.6		1.0	0.26	ug/L			06/02/20 03:17	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 03:17	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 03:17	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 03:17	1
cis-1,2-Dichloroethene	29		1.0	0.41	ug/L			06/02/20 03:17	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-184196-28

Date Collected: 05/19/20 10:50

Matrix: Water

Date Received: 05/22/20 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			06/02/20 03:17	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 03:17	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 03:17	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 03:17	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 03:17	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 03:17	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 03:17	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 03:17	1
1,2-Dichloroethane	0.72	J	1.0	0.50	ug/L			06/02/20 03:17	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 03:17	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 03:17	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 03:17	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 03:17	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 03:17	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 03:17	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 03:17	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 03:17	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 03:17	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 03:17	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 03:17	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 03:17	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 03:17	1
Toluene	0.64	J	1.0	0.48	ug/L			06/02/20 03:17	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 03:17	1
trans-1,2-Dichloroethene	5.2		1.0	0.37	ug/L			06/02/20 03:17	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 03:17	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 03:17	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 03:17	1
Trichloroethene	49		1.0	0.48	ug/L			06/02/20 03:17	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 03:17	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 03:17	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 03:17	1
Vinyl chloride	4.5		1.0	0.50	ug/L			06/02/20 03:17	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		06/02/20 03:17	1
Dibromofluoromethane (Surr)	104		80 - 122		06/02/20 03:17	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131		06/02/20 03:17	1
Toluene-d8 (Surr)	101		80 - 120		06/02/20 03:17	1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-184196-29

Date Collected: 05/19/20 11:15

Matrix: Water

Date Received: 05/22/20 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			06/02/20 03:40	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 03:40	1
Benzene	0.48	J	1.0	0.43	ug/L			06/02/20 03:40	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-184196-29

Date Collected: 05/19/20 11:15

Matrix: Water

Date Received: 05/22/20 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			06/02/20 03:40	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 03:40	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 03:40	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 03:40	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 03:40	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 03:40	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 03:40	1
Chlorobenzene	1.7		1.0	0.26	ug/L			06/02/20 03:40	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 03:40	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 03:40	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 03:40	1
cis-1,2-Dichloroethene	26		1.0	0.41	ug/L			06/02/20 03:40	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 03:40	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 03:40	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 03:40	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 03:40	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 03:40	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 03:40	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 03:40	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 03:40	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/02/20 03:40	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 03:40	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 03:40	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 03:40	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 03:40	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 03:40	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 03:40	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 03:40	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 03:40	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 03:40	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 03:40	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 03:40	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 03:40	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 03:40	1
Toluene	1.6		1.0	0.48	ug/L			06/02/20 03:40	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 03:40	1
trans-1,2-Dichloroethene	1.4		1.0	0.37	ug/L			06/02/20 03:40	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 03:40	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 03:40	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 03:40	1
Trichloroethene	8.2		1.0	0.48	ug/L			06/02/20 03:40	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 03:40	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 03:40	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 03:40	1
Vinyl chloride	1.7		1.0	0.50	ug/L			06/02/20 03:40	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 03:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		06/02/20 03:40	1
Dibromofluoromethane (Surr)	105		80 - 122		06/02/20 03:40	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-184196-29

Date Collected: 05/19/20 11:15

Matrix: Water

Date Received: 05/22/20 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/02/20 03:40	1
Toluene-d8 (Surr)	102		80 - 120		06/02/20 03:40	1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-184196-30

Date Collected: 05/19/20 11:40

Matrix: Water

Date Received: 05/22/20 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			06/02/20 04:04	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 04:04	1
Benzene	1.1		1.0	0.43	ug/L			06/02/20 04:04	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 04:04	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 04:04	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 04:04	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 04:04	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 04:04	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 04:04	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 04:04	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/02/20 04:04	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 04:04	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 04:04	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 04:04	1
cis-1,2-Dichloroethene	6.7		1.0	0.41	ug/L			06/02/20 04:04	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 04:04	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 04:04	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 04:04	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 04:04	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 04:04	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 04:04	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 04:04	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 04:04	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/02/20 04:04	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 04:04	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 04:04	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 04:04	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 04:04	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 04:04	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 04:04	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 04:04	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 04:04	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 04:04	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 04:04	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 04:04	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 04:04	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 04:04	1
Toluene	2.4		1.0	0.48	ug/L			06/02/20 04:04	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 04:04	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/02/20 04:04	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-184196-30

Date Collected: 05/19/20 11:40

Matrix: Water

Date Received: 05/22/20 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			06/02/20 04:04	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 04:04	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 04:04	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/02/20 04:04	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 04:04	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 04:04	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 04:04	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/02/20 04:04	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 04:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		80 - 120					06/02/20 04:04	1
Dibromofluoromethane (Surr)	105		80 - 122					06/02/20 04:04	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131					06/02/20 04:04	1
Toluene-d8 (Surr)	101		80 - 120					06/02/20 04:04	1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-184196-31

Date Collected: 05/18/20 10:33

Matrix: Water

Date Received: 05/22/20 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			05/31/20 15:22	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 15:22	1
Benzene	0.61	J	1.0	0.43	ug/L			05/31/20 15:22	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 15:22	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 15:22	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 15:22	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 15:22	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 15:22	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 15:22	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 15:22	1
Chlorobenzene	58		1.0	0.26	ug/L			05/31/20 15:22	1
Chloroethane	8.9		5.0	2.5	ug/L			05/31/20 15:22	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 15:22	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 15:22	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 15:22	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 15:22	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 15:22	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 15:22	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 15:22	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 15:22	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 15:22	1
1,4-Dichlorobenzene	0.52	J	1.0	0.46	ug/L			05/31/20 15:22	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 15:22	1
1,2-Dichloroethane	1.4		1.0	0.50	ug/L			05/31/20 15:22	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 15:22	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 15:22	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 15:22	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 15:22	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-184196-31

Date Collected: 05/18/20 10:33

Matrix: Water

Date Received: 05/22/20 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			05/31/20 15:22	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 15:22	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 15:22	1
4-Methyl-2-pentanone (MIBK)	2.1	U **1	10	2.1	ug/L			05/31/20 15:22	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 15:22	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 15:22	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 15:22	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 15:22	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 15:22	1
Toluene	1.9		1.0	0.48	ug/L			05/31/20 15:22	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 15:22	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 15:22	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 15:22	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 15:22	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 15:22	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 15:22	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 15:22	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 15:22	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 15:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 15:22	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		05/31/20 15:22	1
Dibromofluoromethane (Surr)	106		80 - 122		05/31/20 15:22	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131		05/31/20 15:22	1
Toluene-d8 (Surr)	108		80 - 120		05/31/20 15:22	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	65		1.1	0.55	ug/L			05/31/20 11:58	1
Ethene	86		1.0	0.50	ug/L			05/31/20 11:58	1
Methane (TCD)	13000		390	39	ug/L			05/31/20 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.1		1.0	0.50	mg/L			05/29/20 05:10	1
Total Organic Carbon - Quad	2.1		1.0	0.50	mg/L			05/29/20 05:10	1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-184196-32

Date Collected: 05/18/20 11:00

Matrix: Water

Date Received: 05/22/20 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			05/31/20 15:46	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 15:46	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 15:46	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 15:46	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 15:46	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 15:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-184196-32

Date Collected: 05/18/20 11:00

Matrix: Water

Date Received: 05/22/20 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 *1	5.0	2.5	ug/L			05/31/20 15:46	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 15:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 15:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 15:46	1
Chlorobenzene	4.7		1.0	0.26	ug/L			05/31/20 15:46	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 15:46	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 15:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 15:46	1
cis-1,2-Dichloroethene	0.78	J	1.0	0.41	ug/L			05/31/20 15:46	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 15:46	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 15:46	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 15:46	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 15:46	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 15:46	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 15:46	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 15:46	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 15:46	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 15:46	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 15:46	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 15:46	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 15:46	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 15:46	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 15:46	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 15:46	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 15:46	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 15:46	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 15:46	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 15:46	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 15:46	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 15:46	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 15:46	1
Toluene	3.3		1.0	0.48	ug/L			05/31/20 15:46	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 15:46	1
trans-1,2-Dichloroethene	1.9		1.0	0.37	ug/L			05/31/20 15:46	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 15:46	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 15:46	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 15:46	1
Trichloroethene	1.6		1.0	0.48	ug/L			05/31/20 15:46	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 15:46	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 15:46	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 15:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 15:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		80 - 120		05/31/20 15:46	1
Dibromofluoromethane (Surr)	107		80 - 122		05/31/20 15:46	1
1,2-Dichloroethane-d4 (Surr)	104		73 - 131		05/31/20 15:46	1
Toluene-d8 (Surr)	107		80 - 120		05/31/20 15:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-184196-32

Date Collected: 05/18/20 11:00

Matrix: Water

Date Received: 05/22/20 09:30

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	6.4		1.1	0.55	ug/L			05/31/20 12:11	1
Ethene	1.1		1.0	0.50	ug/L			05/31/20 12:11	1
Methane (TCD)	1600		390	39	ug/L			05/31/20 12:11	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			05/29/20 05:59	1
Total Organic Carbon - Quad	0.82	J	1.0	0.50	mg/L			05/29/20 05:59	1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-184196-33

Date Collected: 05/18/20 11:25

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11		10	7.0	ug/L			05/31/20 16:09	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 16:09	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 16:09	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 16:09	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 16:09	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 16:09	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 16:09	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 16:09	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 16:09	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 16:09	1
Chlorobenzene	0.53	J	1.0	0.26	ug/L			05/31/20 16:09	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 16:09	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 16:09	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 16:09	1
cis-1,2-Dichloroethene	27		1.0	0.41	ug/L			05/31/20 16:09	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 16:09	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 16:09	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 16:09	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 16:09	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 16:09	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 16:09	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 16:09	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 16:09	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 16:09	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 16:09	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 16:09	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 16:09	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 16:09	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 16:09	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 16:09	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 16:09	1
4-Methyl-2-pentanone (MIBK)	2.1	U *1	10	2.1	ug/L			05/31/20 16:09	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 16:09	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 16:09	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 16:09	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-184196-33

Date Collected: 05/18/20 11:25

Matrix: Water

Date Received: 05/22/20 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			05/31/20 16:09	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 16:09	1
Toluene	3.2		1.0	0.48	ug/L			05/31/20 16:09	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 16:09	1
trans-1,2-Dichloroethene	5.8		1.0	0.37	ug/L			05/31/20 16:09	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 16:09	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 16:09	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 16:09	1
Trichloroethene	13		1.0	0.48	ug/L			05/31/20 16:09	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 16:09	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 16:09	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 16:09	1
Vinyl chloride	3.2		1.0	0.50	ug/L			05/31/20 16:09	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 16:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		80 - 120		05/31/20 16:09	1
Dibromofluoromethane (Surr)	110		80 - 122		05/31/20 16:09	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		05/31/20 16:09	1
Toluene-d8 (Surr)	110		80 - 120		05/31/20 16:09	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.5		1.1	0.55	ug/L			05/31/20 12:24	1
Ethene	10		1.0	0.50	ug/L			05/31/20 12:24	1
Methane (TCD)	8600		390	39	ug/L			05/31/20 12:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	2.9		1.0	0.50	mg/L			05/29/20 06:19	1
Total Organic Carbon - Quad	2.9		1.0	0.50	mg/L			05/29/20 06:19	1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-184196-34

Date Collected: 05/18/20 11:45

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.2	J	10	7.0	ug/L			05/31/20 16:32	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 16:32	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 16:32	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 16:32	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 16:32	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 16:32	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 16:32	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 16:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 16:32	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 16:32	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 16:32	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 16:32	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 16:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-184196-34

Date Collected: 05/18/20 11:45

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 16:32	1
cis-1,2-Dichloroethene	1.9		1.0	0.41	ug/L			05/31/20 16:32	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 16:32	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 16:32	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 16:32	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 16:32	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 16:32	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 16:32	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 16:32	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 16:32	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 16:32	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 16:32	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 16:32	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 16:32	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 16:32	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 16:32	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 16:32	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 16:32	1
4-Methyl-2-pentanone (MIBK)	2.1	U **1	10	2.1	ug/L			05/31/20 16:32	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 16:32	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 16:32	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 16:32	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 16:32	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 16:32	1
Toluene	0.59	J	1.0	0.48	ug/L			05/31/20 16:32	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 16:32	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 16:32	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 16:32	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 16:32	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 16:32	1
Trichloroethene	1.6		1.0	0.48	ug/L			05/31/20 16:32	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 16:32	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 16:32	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 16:32	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 16:32	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		80 - 120		05/31/20 16:32	1
Dibromofluoromethane (Surr)	112		80 - 122		05/31/20 16:32	1
1,2-Dichloroethane-d4 (Surr)	104		73 - 131		05/31/20 16:32	1
Toluene-d8 (Surr)	109		80 - 120		05/31/20 16:32	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	0.81	J	1.1	0.55	ug/L			05/31/20 12:37	1
Ethene	5.2		1.0	0.50	ug/L			05/31/20 12:37	1
Methane (TCD)	4300		390	39	ug/L			05/31/20 12:37	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-184196-34

Date Collected: 05/18/20 11:45

Matrix: Water

Date Received: 05/22/20 09:30

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.7		1.0	0.50	mg/L			05/29/20 06:36	1
Total Organic Carbon - Quad	1.7		1.0	0.50	mg/L			05/29/20 06:36	1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-184196-35

Date Collected: 05/18/20 12:00

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10		10	7.0	ug/L			05/31/20 16:56	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 16:56	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 16:56	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 16:56	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 16:56	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 16:56	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 16:56	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 16:56	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 16:56	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 16:56	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 16:56	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 16:56	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 16:56	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 16:56	1
cis-1,2-Dichloroethene	0.90	J	1.0	0.41	ug/L			05/31/20 16:56	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 16:56	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 16:56	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 16:56	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 16:56	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 16:56	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 16:56	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 16:56	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 16:56	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 16:56	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 16:56	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 16:56	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 16:56	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 16:56	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 16:56	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 16:56	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 16:56	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 16:56	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 16:56	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 16:56	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 16:56	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 16:56	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 16:56	1
Toluene	0.85	J	1.0	0.48	ug/L			05/31/20 16:56	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 16:56	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 16:56	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 16:56	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-184196-35

Date Collected: 05/18/20 12:00

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 16:56	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 16:56	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 16:56	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 16:56	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 16:56	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 16:56	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 16:56	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 16:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		80 - 120		05/31/20 16:56	1
Dibromofluoromethane (Surr)	111		80 - 122		05/31/20 16:56	1
1,2-Dichloroethane-d4 (Surr)	104		73 - 131		05/31/20 16:56	1
Toluene-d8 (Surr)	107		80 - 120		05/31/20 16:56	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			05/31/20 12:50	1
Ethene	4.2		1.0	0.50	ug/L			05/31/20 12:50	1
Methane (TCD)	4000		390	39	ug/L			05/31/20 12:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.9		1.0	0.50	mg/L			05/29/20 06:53	1
Total Organic Carbon - Quad	1.9		1.0	0.50	mg/L			05/29/20 06:53	1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-184196-36

Date Collected: 05/18/20 14:25

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	45		10	7.0	ug/L			05/31/20 17:20	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 17:20	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 17:20	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 17:20	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 17:20	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 17:20	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 17:20	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 17:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 17:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 17:20	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 17:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 17:20	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 17:20	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 17:20	1
cis-1,2-Dichloroethene	3.5		1.0	0.41	ug/L			05/31/20 17:20	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 17:20	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 17:20	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 17:20	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 17:20	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-184196-36

Date Collected: 05/18/20 14:25

Matrix: Water

Date Received: 05/22/20 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			05/31/20 17:20	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 17:20	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 17:20	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 17:20	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 17:20	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 17:20	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 17:20	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 17:20	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 17:20	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 17:20	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 17:20	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 17:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 17:20	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 17:20	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 17:20	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 17:20	1
1,1,2,2-Tetrachloroethane	2.8		1.0	0.62	ug/L			05/31/20 17:20	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 17:20	1
Toluene	9.8		1.0	0.48	ug/L			05/31/20 17:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 17:20	1
trans-1,2-Dichloroethene	0.40	J	1.0	0.37	ug/L			05/31/20 17:20	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 17:20	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 17:20	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 17:20	1
Trichloroethene	1.3		1.0	0.48	ug/L			05/31/20 17:20	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 17:20	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 17:20	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 17:20	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 17:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		80 - 120		05/31/20 17:20	1
Dibromofluoromethane (Surr)	109		80 - 122		05/31/20 17:20	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		05/31/20 17:20	1
Toluene-d8 (Surr)	119		80 - 120		05/31/20 17:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	4.2		1.0	0.50	mg/L			05/29/20 07:11	1
Total Organic Carbon - Quad	4.2		1.0	0.50	mg/L			05/29/20 07:11	1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-184196-37

Date Collected: 05/18/20 14:50

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	69		10	7.0	ug/L			05/31/20 17:43	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 17:43	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-184196-37

Date Collected: 05/18/20 14:50

Matrix: Water

Date Received: 05/22/20 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			05/31/20 17:43	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 17:43	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 17:43	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 17:43	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 17:43	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 17:43	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 17:43	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 17:43	1
Chlorobenzene	2.7		1.0	0.26	ug/L			05/31/20 17:43	1
Chloroethane	3.3	J	5.0	2.5	ug/L			05/31/20 17:43	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 17:43	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 17:43	1
cis-1,2-Dichloroethene	90		1.0	0.41	ug/L			05/31/20 17:43	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 17:43	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 17:43	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 17:43	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 17:43	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 17:43	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 17:43	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 17:43	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 17:43	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 17:43	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 17:43	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 17:43	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 17:43	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 17:43	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 17:43	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 17:43	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 17:43	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 17:43	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 17:43	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 17:43	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 17:43	1
1,1,2,2-Tetrachloroethane	7.0		1.0	0.62	ug/L			05/31/20 17:43	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 17:43	1
Toluene	10		1.0	0.48	ug/L			05/31/20 17:43	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 17:43	1
trans-1,2-Dichloroethene	39		1.0	0.37	ug/L			05/31/20 17:43	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 17:43	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 17:43	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 17:43	1
Trichloroethene	23		1.0	0.48	ug/L			05/31/20 17:43	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 17:43	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 17:43	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 17:43	1
Vinyl chloride	6.6		1.0	0.50	ug/L			05/31/20 17:43	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		05/31/20 17:43	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G74 Port 2

Lab Sample ID: 680-184196-37

Date Collected: 05/18/20 14:50

Matrix: Water

Date Received: 05/22/20 09:30

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	114		80 - 122		05/31/20 17:43	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131		05/31/20 17:43	1
Toluene-d8 (Surr)	121	X	80 - 120		05/31/20 17:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	3.7		1.0	0.50	mg/L			05/29/20 07:28	1
Total Organic Carbon - Quad	3.7		1.0	0.50	mg/L			05/29/20 07:28	1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-184196-38

Date Collected: 05/18/20 15:30

Matrix: Water

Date Received: 05/22/20 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			05/31/20 18:07	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 18:07	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 18:07	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 18:07	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 18:07	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 18:07	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 18:07	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 18:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 18:07	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 18:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 18:07	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 18:07	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 18:07	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 18:07	1
cis-1,2-Dichloroethene	3.7		1.0	0.41	ug/L			05/31/20 18:07	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 18:07	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 18:07	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 18:07	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 18:07	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 18:07	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 18:07	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 18:07	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 18:07	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 18:07	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 18:07	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 18:07	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 18:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 18:07	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 18:07	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 18:07	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 18:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 18:07	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 18:07	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 18:07	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 18:07	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G74 Port 3

Lab Sample ID: 680-184196-38

Date Collected: 05/18/20 15:30

Matrix: Water

Date Received: 05/22/20 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			05/31/20 18:07	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 18:07	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 18:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 18:07	1
trans-1,2-Dichloroethene	0.52	J	1.0	0.37	ug/L			05/31/20 18:07	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 18:07	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 18:07	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 18:07	1
Trichloroethene	17		1.0	0.48	ug/L			05/31/20 18:07	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 18:07	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 18:07	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 18:07	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 18:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		80 - 120		05/31/20 18:07	1
Dibromofluoromethane (Surr)	111		80 - 122		05/31/20 18:07	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		05/31/20 18:07	1
Toluene-d8 (Surr)	109		80 - 120		05/31/20 18:07	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			05/29/20 07:45	1
Total Organic Carbon - Quad	1.1		1.0	0.50	mg/L			05/29/20 07:45	1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-184196-39

Date Collected: 05/18/20 15:50

Matrix: Water

Date Received: 05/22/20 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			05/31/20 18:30	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 18:30	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 18:30	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 18:30	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 18:30	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 18:30	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 18:30	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 18:30	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 18:30	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 18:30	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 18:30	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 18:30	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 18:30	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 18:30	1
cis-1,2-Dichloroethene	1.0		1.0	0.41	ug/L			05/31/20 18:30	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 18:30	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 18:30	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 18:30	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G74 Port 4

Lab Sample ID: 680-184196-39

Date Collected: 05/18/20 15:50

Matrix: Water

Date Received: 05/22/20 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			05/31/20 18:30	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 18:30	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 18:30	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 18:30	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 18:30	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 18:30	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 18:30	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 18:30	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 18:30	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 18:30	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 18:30	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 18:30	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 18:30	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 18:30	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 18:30	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 18:30	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 18:30	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 18:30	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 18:30	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 18:30	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 18:30	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 18:30	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 18:30	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 18:30	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 18:30	1
Trichloroethene	4.4		1.0	0.48	ug/L			05/31/20 18:30	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 18:30	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 18:30	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 18:30	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 18:30	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		80 - 120		05/31/20 18:30	1
Dibromofluoromethane (Surr)	106		80 - 122		05/31/20 18:30	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		05/31/20 18:30	1
Toluene-d8 (Surr)	108		80 - 120		05/31/20 18:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.88	J	1.0	0.50	mg/L			05/29/20 08:03	1
Total Organic Carbon - Quad	0.88	J	1.0	0.50	mg/L			05/29/20 08:03	1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-184196-40

Date Collected: 05/18/20 16:15

Matrix: Water

Date Received: 05/22/20 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			05/31/20 18:54	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-184196-40

Date Collected: 05/18/20 16:15

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acrylonitrile	10	U	20	10	ug/L			05/31/20 18:54	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 18:54	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 18:54	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 18:54	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 18:54	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 18:54	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 18:54	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 18:54	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 18:54	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 18:54	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 18:54	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 18:54	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 18:54	1
cis-1,2-Dichloroethene	0.82	J	1.0	0.41	ug/L			05/31/20 18:54	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 18:54	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 18:54	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 18:54	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 18:54	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 18:54	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 18:54	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 18:54	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 18:54	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 18:54	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 18:54	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 18:54	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 18:54	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 18:54	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 18:54	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 18:54	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 18:54	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 18:54	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 18:54	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 18:54	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 18:54	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 18:54	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 18:54	1
Toluene	0.48	J	1.0	0.48	ug/L			05/31/20 18:54	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 18:54	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 18:54	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 18:54	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 18:54	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 18:54	1
Trichloroethene	1.2		1.0	0.48	ug/L			05/31/20 18:54	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 18:54	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 18:54	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 18:54	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 18:54	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 18:54	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G74 Port 5

Lab Sample ID: 680-184196-40

Date Collected: 05/18/20 16:15

Matrix: Water

Date Received: 05/22/20 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		80 - 120		05/31/20 18:54	1
Dibromofluoromethane (Surr)	112		80 - 122		05/31/20 18:54	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		05/31/20 18:54	1
Toluene-d8 (Surr)	109		80 - 120		05/31/20 18:54	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			05/29/20 08:20	1
Total Organic Carbon - Quad	1.1		1.0	0.50	mg/L			05/29/20 08:20	1

Client Sample ID: OLF-G52

Lab Sample ID: 680-184196-41

Date Collected: 05/19/20 16:55

Matrix: Water

Date Received: 05/22/20 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			06/02/20 04:27	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 04:27	1
Benzene	0.43	U	1.0	0.43	ug/L			06/02/20 04:27	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 04:27	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 04:27	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 04:27	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 04:27	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 04:27	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 04:27	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 04:27	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/02/20 04:27	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 04:27	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 04:27	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 04:27	1
cis-1,2-Dichloroethene	2.1		1.0	0.41	ug/L			06/02/20 04:27	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 04:27	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 04:27	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 04:27	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 04:27	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 04:27	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 04:27	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 04:27	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 04:27	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/02/20 04:27	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 04:27	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 04:27	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 04:27	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 04:27	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 04:27	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 04:27	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 04:27	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 04:27	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 04:27	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 04:27	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 04:27	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: OLF-G52

Lab Sample ID: 680-184196-41

Date Collected: 05/19/20 16:55

Matrix: Water

Date Received: 05/22/20 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			06/02/20 04:27	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 04:27	1
Toluene	0.48	U	1.0	0.48	ug/L			06/02/20 04:27	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 04:27	1
trans-1,2-Dichloroethene	0.58	J	1.0	0.37	ug/L			06/02/20 04:27	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 04:27	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 04:27	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 04:27	1
Trichloroethene	9.7		1.0	0.48	ug/L			06/02/20 04:27	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 04:27	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 04:27	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 04:27	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/02/20 04:27	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 04:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		80 - 120		06/02/20 04:27	1
Dibromofluoromethane (Surr)	105		80 - 122		06/02/20 04:27	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/02/20 04:27	1
Toluene-d8 (Surr)	101		80 - 120		06/02/20 04:27	1

Client Sample ID: TB554

Lab Sample ID: 680-184196-42

Date Collected: 05/21/20 14:00

Matrix: Water

Date Received: 05/22/20 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			06/04/20 06:49	1
Acrylonitrile	10	U	20	10	ug/L			06/04/20 06:49	1
Benzene	0.43	U	1.0	0.43	ug/L			06/04/20 06:49	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/04/20 06:49	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/04/20 06:49	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/04/20 06:49	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/04/20 06:49	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/04/20 06:49	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/04/20 06:49	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/04/20 06:49	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/04/20 06:49	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/04/20 06:49	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/04/20 06:49	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/04/20 06:49	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/04/20 06:49	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/04/20 06:49	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/04/20 06:49	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/04/20 06:49	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/04/20 06:49	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/04/20 06:49	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/04/20 06:49	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/04/20 06:49	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/04/20 06:49	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: TB554

Date Collected: 05/21/20 14:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-42

Matrix: Water

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			06/04/20 06:49	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/04/20 06:49	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/04/20 06:49	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/04/20 06:49	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/04/20 06:49	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/04/20 06:49	1
Iodomethane	5.0	U	10	5.0	ug/L			06/04/20 06:49	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/04/20 06:49	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/04/20 06:49	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/04/20 06:49	1
Styrene	0.27	U *	1.0	0.27	ug/L			06/04/20 06:49	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/04/20 06:49	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/04/20 06:49	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/04/20 06:49	1
Toluene	0.48	U	1.0	0.48	ug/L			06/04/20 06:49	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/04/20 06:49	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/04/20 06:49	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/04/20 06:49	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/04/20 06:49	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/04/20 06:49	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/04/20 06:49	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/04/20 06:49	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/04/20 06:49	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/04/20 06:49	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/04/20 06:49	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/04/20 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		80 - 120		06/04/20 06:49	1
Dibromofluoromethane (Surr)	111		80 - 122		06/04/20 06:49	1
1,2-Dichloroethane-d4 (Surr)	90		73 - 131		06/04/20 06:49	1
Toluene-d8 (Surr)	111		80 - 120		06/04/20 06:49	1

Client Sample ID: DUP350

Date Collected: 05/18/20 00:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-43

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			05/31/20 19:17	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 19:17	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 19:17	1
Bromochloromethane	0.45	U *	1.0	0.45	ug/L			05/31/20 19:17	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 19:17	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 19:17	1
Bromomethane	2.5	U *1	5.0	2.5	ug/L			05/31/20 19:17	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 19:17	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 19:17	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 19:17	1
Chlorobenzene	55		1.0	0.26	ug/L			05/31/20 19:17	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: DUP350

Lab Sample ID: 680-184196-43

Date Collected: 05/18/20 00:00

Matrix: Water

Date Received: 05/22/20 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	8.6		5.0	2.5	ug/L			05/31/20 19:17	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 19:17	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 19:17	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 19:17	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 19:17	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 19:17	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 19:17	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 19:17	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 19:17	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 19:17	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 19:17	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 19:17	1
1,2-Dichloroethane	1.5		1.0	0.50	ug/L			05/31/20 19:17	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 19:17	1
1,2-Dichloropropane	0.67	U *	1.0	0.67	ug/L			05/31/20 19:17	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 19:17	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 19:17	1
2-Hexanone	2.0	U *	10	2.0	ug/L			05/31/20 19:17	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 19:17	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 19:17	1
4-Methyl-2-pentanone (MIBK)	2.1	U * *1	10	2.1	ug/L			05/31/20 19:17	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 19:17	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 19:17	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 19:17	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 19:17	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 19:17	1
Toluene	2.8		1.0	0.48	ug/L			05/31/20 19:17	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 19:17	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 19:17	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 19:17	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 19:17	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 19:17	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 19:17	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 19:17	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 19:17	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 19:17	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 19:17	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 19:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		80 - 120		05/31/20 19:17	1
Dibromofluoromethane (Surr)	109		80 - 122		05/31/20 19:17	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131		05/31/20 19:17	1
Toluene-d8 (Surr)	122	X	80 - 120		05/31/20 19:17	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	59		1.1	0.55	ug/L			05/31/20 13:03	1
Ethene	80		1.0	0.50	ug/L			05/31/20 13:03	1
Methane (TCD)	11000		390	39	ug/L			05/31/20 13:03	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184196-1

Client Sample ID: DUP350

Date Collected: 05/18/20 00:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-43

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1.8		1.0	0.50	mg/L			05/29/20 08:37	1
Total Organic Carbon - Quad	1.8		1.0	0.50	mg/L			05/29/20 08:37	1

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620584/10

Matrix: Water

Analysis Batch: 620584

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			05/31/20 12:38	1
Acrylonitrile	10	U	20	10	ug/L			05/31/20 12:38	1
Benzene	0.43	U	1.0	0.43	ug/L			05/31/20 12:38	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			05/31/20 12:38	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			05/31/20 12:38	1
Bromoform	0.43	U	1.0	0.43	ug/L			05/31/20 12:38	1
Bromomethane	2.5	U	5.0	2.5	ug/L			05/31/20 12:38	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			05/31/20 12:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			05/31/20 12:38	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			05/31/20 12:38	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			05/31/20 12:38	1
Chloroethane	2.5	U	5.0	2.5	ug/L			05/31/20 12:38	1
Chloroform	0.50	U	1.0	0.50	ug/L			05/31/20 12:38	1
Chloromethane	0.40	U	1.0	0.40	ug/L			05/31/20 12:38	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			05/31/20 12:38	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			05/31/20 12:38	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			05/31/20 12:38	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			05/31/20 12:38	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			05/31/20 12:38	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			05/31/20 12:38	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			05/31/20 12:38	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			05/31/20 12:38	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			05/31/20 12:38	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			05/31/20 12:38	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			05/31/20 12:38	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			05/31/20 12:38	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			05/31/20 12:38	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			05/31/20 12:38	1
2-Hexanone	2.0	U	10	2.0	ug/L			05/31/20 12:38	1
Iodomethane	5.0	U	10	5.0	ug/L			05/31/20 12:38	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			05/31/20 12:38	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			05/31/20 12:38	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			05/31/20 12:38	1
Styrene	0.27	U	1.0	0.27	ug/L			05/31/20 12:38	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 12:38	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			05/31/20 12:38	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			05/31/20 12:38	1
Toluene	0.48	U	1.0	0.48	ug/L			05/31/20 12:38	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			05/31/20 12:38	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			05/31/20 12:38	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			05/31/20 12:38	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			05/31/20 12:38	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			05/31/20 12:38	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			05/31/20 12:38	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			05/31/20 12:38	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			05/31/20 12:38	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			05/31/20 12:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			05/31/20 12:38	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620584/10

Matrix: Water

Analysis Batch: 620584

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			05/31/20 12:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		80 - 120		05/31/20 12:38	1
Dibromofluoromethane (Surr)	112		80 - 122		05/31/20 12:38	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		05/31/20 12:38	1
Toluene-d8 (Surr)	109		80 - 120		05/31/20 12:38	1

Lab Sample ID: LCS 680-620584/31

Matrix: Water

Analysis Batch: 620584

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	279		ug/L		112	70 - 135
Acrylonitrile	500	558		ug/L		112	80 - 123
Benzene	50.0	55.9		ug/L		112	80 - 120
Bromochloromethane	50.0	58.4		ug/L		117	80 - 120
Bromodichloromethane	50.0	53.9		ug/L		108	80 - 120
Bromoform	50.0	41.9		ug/L		84	74 - 126
Bromomethane	50.0	40.4		ug/L		81	62 - 130
2-Butanone (MEK)	250	318		ug/L		127	80 - 131
Carbon disulfide	50.0	43.9		ug/L		88	80 - 120
Carbon tetrachloride	50.0	43.0		ug/L		86	76 - 123
Chlorobenzene	50.0	48.6		ug/L		97	80 - 120
Chloroethane	50.0	42.9		ug/L		86	66 - 135
Chloroform	50.0	50.8		ug/L		102	80 - 120
Chloromethane	50.0	53.0		ug/L		106	69 - 131
cis-1,2-Dichloroethene	50.0	51.3		ug/L		103	80 - 120
cis-1,3-Dichloropropene	50.0	53.2		ug/L		106	80 - 120
Dibromochloromethane	50.0	50.6		ug/L		101	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	48.6		ug/L		97	71 - 134
1,2-Dibromoethane	50.0	55.1		ug/L		110	80 - 120
Dibromomethane	50.0	51.1		ug/L		102	80 - 120
1,2-Dichlorobenzene	50.0	56.7		ug/L		113	80 - 120
1,4-Dichlorobenzene	50.0	52.1		ug/L		104	80 - 120
1,1-Dichloroethane	50.0	46.4		ug/L		93	80 - 120
1,2-Dichloroethane	50.0	50.2		ug/L		100	80 - 120
1,1-Dichloroethene	50.0	43.7		ug/L		87	76 - 120
1,2-Dichloropropane	50.0	61.8	*	ug/L		124	80 - 120
1,3-Dichloropropane	50.0	57.6		ug/L		115	80 - 120
Ethylbenzene	50.0	51.0		ug/L		102	80 - 120
2-Hexanone	250	335	*	ug/L		134	74 - 127
Iodomethane	50.0	41.8		ug/L		84	52 - 142
Methylene Chloride	50.0	50.5		ug/L		101	80 - 120
4-Methyl-2-pentanone (MIBK)	250	325	*	ug/L		130	76 - 124
Methyl tert-butyl ether	50.0	49.8		ug/L		100	80 - 120
Styrene	50.0	55.9		ug/L		112	80 - 120
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/L		94	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620584/31

Matrix: Water

Analysis Batch: 620584

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	47.3		ug/L		95	80 - 120
Tetrachloroethylene	50.0	43.5		ug/L		87	80 - 121
Toluene	50.0	53.8		ug/L		108	80 - 113
trans-1,4-Dichloro-2-butene	50.0	41.8		ug/L		84	68 - 125
trans-1,2-Dichloroethene	50.0	46.1		ug/L		92	80 - 120
trans-1,3-Dichloropropene	50.0	51.0		ug/L		102	80 - 120
1,1,1-Trichloroethane	50.0	47.3		ug/L		95	80 - 120
1,1,2-Trichloroethane	50.0	56.3		ug/L		113	80 - 120
Trichloroethene	50.0	48.5		ug/L		97	80 - 120
Trichlorofluoromethane	50.0	38.8		ug/L		78	60 - 141
1,2,3-Trichloropropane	50.0	45.2		ug/L		90	80 - 123
Vinyl acetate	100	104		ug/L		104	67 - 135
Vinyl chloride	50.0	45.1		ug/L		90	71 - 128
Xylenes, Total	100	97.6		ug/L		98	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		80 - 120
Dibromofluoromethane (Surr)	99		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		73 - 131
Toluene-d8 (Surr)	108		80 - 120

Lab Sample ID: LCSD 680-620584/32

Matrix: Water

Analysis Batch: 620584

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	285		ug/L		114	70 - 135	2	30
Acrylonitrile	500	582		ug/L		116	80 - 123	4	20
Benzene	50.0	56.4		ug/L		113	80 - 120	1	20
Bromochloromethane	50.0	61.4	*	ug/L		123	80 - 120	5	20
Bromodichloromethane	50.0	50.8		ug/L		102	80 - 120	6	20
Bromoform	50.0	46.7		ug/L		93	74 - 126	11	20
Bromomethane	50.0	53.7	*1	ug/L		107	62 - 130	28	20
2-Butanone (MEK)	250	322		ug/L		129	80 - 131	1	20
Carbon disulfide	50.0	44.1		ug/L		88	80 - 120	0	20
Carbon tetrachloride	50.0	44.9		ug/L		90	76 - 123	4	20
Chlorobenzene	50.0	48.5		ug/L		97	80 - 120	0	20
Chloroethane	50.0	47.8		ug/L		96	66 - 135	11	20
Chloroform	50.0	51.4		ug/L		103	80 - 120	1	20
Chloromethane	50.0	55.5		ug/L		111	69 - 131	5	30
cis-1,2-Dichloroethene	50.0	53.3		ug/L		107	80 - 120	4	20
cis-1,3-Dichloropropene	50.0	45.1		ug/L		90	80 - 120	17	20
Dibromochloromethane	50.0	46.3		ug/L		93	80 - 121	9	20
1,2-Dibromo-3-Chloropropane	50.0	48.9		ug/L		98	71 - 134	0	20
1,2-Dibromoethane	50.0	51.1		ug/L		102	80 - 120	8	20
Dibromomethane	50.0	51.7		ug/L		103	80 - 120	1	20
1,2-Dichlorobenzene	50.0	57.0		ug/L		114	80 - 120	0	20
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	80 - 120	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620584/32

Matrix: Water

Analysis Batch: 620584

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	53.0		ug/L		106	80 - 120	13	20
1,2-Dichloroethane	50.0	49.9		ug/L		100	80 - 120	0	50
1,1-Dichloroethene	50.0	45.3		ug/L		91	76 - 120	4	20
1,2-Dichloropropane	50.0	59.9		ug/L		120	80 - 120	3	20
1,3-Dichloropropane	50.0	51.9		ug/L		104	80 - 120	10	20
Ethylbenzene	50.0	51.2		ug/L		102	80 - 120	1	20
2-Hexanone	250	277		ug/L		111	74 - 127	19	20
Iodomethane	50.0	41.5		ug/L		83	52 - 142	1	30
Methylene Chloride	50.0	52.0		ug/L		104	80 - 120	3	20
4-Methyl-2-pentanone (MIBK)	250	256	*1	ug/L		102	76 - 124	24	20
Methyl tert-butyl ether	50.0	50.4		ug/L		101	80 - 120	1	20
Styrene	50.0	57.4		ug/L		115	80 - 120	3	20
1,1,1,2-Tetrachloroethane	50.0	46.9		ug/L		94	80 - 121	1	20
1,1,2,2-Tetrachloroethane	50.0	53.3		ug/L		107	80 - 120	12	20
Tetrachloroethylene	50.0	40.4		ug/L		81	80 - 121	8	20
Toluene	50.0	48.9		ug/L		98	80 - 113	10	20
trans-1,4-Dichloro-2-butene	50.0	49.5		ug/L		99	68 - 125	17	30
trans-1,2-Dichloroethene	50.0	45.6		ug/L		91	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	44.8		ug/L		90	80 - 120	13	30
1,1,1-Trichloroethane	50.0	46.7		ug/L		93	80 - 120	1	20
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	80 - 120	10	20
Trichloroethene	50.0	47.9		ug/L		96	80 - 120	1	20
Trichlorofluoromethane	50.0	42.2		ug/L		84	60 - 141	9	20
1,2,3-Trichloropropane	50.0	51.3		ug/L		103	80 - 123	12	30
Vinyl acetate	100	122		ug/L		122	67 - 135	15	20
Vinyl chloride	50.0	45.5		ug/L		91	71 - 128	1	20
Xylenes, Total	100	98.7		ug/L		99	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	126	X	80 - 120
Dibromofluoromethane (Surr)	101		80 - 122
1,2-Dichloroethane-d4 (Surr)	100		73 - 131
Toluene-d8 (Surr)	96		80 - 120

Lab Sample ID: MB 680-620687/8

Matrix: Water

Analysis Batch: 620687

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			06/01/20 19:57	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 19:57	1
Benzene	0.43	U	1.0	0.43	ug/L			06/01/20 19:57	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 19:57	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 19:57	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 19:57	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/01/20 19:57	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/01/20 19:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 19:57	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620687/8

Matrix: Water

Analysis Batch: 620687

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			06/01/20 19:57	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/01/20 19:57	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/01/20 19:57	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 19:57	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 19:57	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/01/20 19:57	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 19:57	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 19:57	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 19:57	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 19:57	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 19:57	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 19:57	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 19:57	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 19:57	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/01/20 19:57	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 19:57	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 19:57	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 19:57	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 19:57	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 19:57	1
Iodomethane	5.0	U	10	5.0	ug/L			06/01/20 19:57	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 19:57	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 19:57	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 19:57	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 19:57	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 19:57	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/01/20 19:57	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 19:57	1
Toluene	0.48	U	1.0	0.48	ug/L			06/01/20 19:57	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 19:57	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/01/20 19:57	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/01/20 19:57	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 19:57	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 19:57	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/01/20 19:57	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 19:57	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 19:57	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 19:57	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/01/20 19:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 19:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		80 - 120		06/01/20 19:57	1
Dibromofluoromethane (Surr)	110		80 - 122		06/01/20 19:57	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131		06/01/20 19:57	1
Toluene-d8 (Surr)	109		80 - 120		06/01/20 19:57	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620687/3

Matrix: Water

Analysis Batch: 620687

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	70 - 135
Acrylonitrile	500	484		ug/L		97	80 - 123
Benzene	50.0	48.5		ug/L		97	80 - 120
Bromochloromethane	50.0	47.1		ug/L		94	80 - 120
Bromodichloromethane	50.0	50.5		ug/L		101	80 - 120
Bromoform	50.0	50.5		ug/L		101	74 - 126
Bromomethane	50.0	112	*	ug/L		224	62 - 130
2-Butanone (MEK)	250	226		ug/L		90	80 - 131
Carbon disulfide	50.0	46.0		ug/L		92	80 - 120
Carbon tetrachloride	50.0	48.7		ug/L		97	76 - 123
Chlorobenzene	50.0	49.1		ug/L		98	80 - 120
Chloroethane	50.0	117	*	ug/L		235	66 - 135
Chloroform	50.0	49.8		ug/L		100	80 - 120
Chloromethane	50.0	50.1		ug/L		100	69 - 131
cis-1,2-Dichloroethene	50.0	50.5		ug/L		101	80 - 120
cis-1,3-Dichloropropene	50.0	52.2		ug/L		104	80 - 120
Dibromochloromethane	50.0	51.6		ug/L		103	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	49.7		ug/L		99	71 - 134
1,2-Dibromoethane	50.0	53.4		ug/L		107	80 - 120
Dibromomethane	50.0	51.9		ug/L		104	80 - 120
1,2-Dichlorobenzene	50.0	51.2		ug/L		102	80 - 120
1,4-Dichlorobenzene	50.0	48.9		ug/L		98	80 - 120
1,1-Dichloroethane	50.0	48.9		ug/L		98	80 - 120
1,2-Dichloroethane	50.0	51.4		ug/L		103	80 - 120
1,1-Dichloroethene	50.0	48.2		ug/L		96	76 - 120
1,2-Dichloropropane	50.0	50.5		ug/L		101	80 - 120
1,3-Dichloropropane	50.0	51.1		ug/L		102	80 - 120
Ethylbenzene	50.0	49.0		ug/L		98	80 - 120
2-Hexanone	250	236		ug/L		94	74 - 127
Iodomethane	50.0	51.4		ug/L		103	52 - 142
Methylene Chloride	50.0	45.0		ug/L		90	80 - 120
4-Methyl-2-pentanone (MIBK)	250	270		ug/L		108	76 - 124
Methyl tert-butyl ether	50.0	49.7		ug/L		99	80 - 120
Styrene	50.0	48.5		ug/L		97	80 - 120
1,1,1,2-Tetrachloroethane	50.0	50.4		ug/L		101	80 - 121
1,1,2,2-Tetrachloroethane	50.0	49.3		ug/L		99	80 - 120
Tetrachloroethylene	50.0	49.7		ug/L		99	80 - 121
Toluene	50.0	50.4		ug/L		101	80 - 113
trans-1,4-Dichloro-2-butene	50.0	50.5		ug/L		101	68 - 125
trans-1,2-Dichloroethene	50.0	48.9		ug/L		98	80 - 120
trans-1,3-Dichloropropene	50.0	53.1		ug/L		106	80 - 120
1,1,1-Trichloroethane	50.0	48.6		ug/L		97	80 - 120
1,1,2-Trichloroethane	50.0	50.4		ug/L		101	80 - 120
Trichloroethene	50.0	50.6		ug/L		101	80 - 120
Trichlorofluoromethane	50.0	53.8		ug/L		108	60 - 141
1,2,3-Trichloropropane	50.0	52.6		ug/L		105	80 - 123
Vinyl acetate	100	102		ug/L		102	67 - 135
Vinyl chloride	50.0	47.1		ug/L		94	71 - 128

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620687/3

Matrix: Water

Analysis Batch: 620687

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	99.2		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	102		80 - 122
1,2-Dichloroethane-d4 (Surr)	98		73 - 131
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 680-620687/4

Matrix: Water

Analysis Batch: 620687

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	70 - 135	0	30
Acrylonitrile	500	491		ug/L		98	80 - 123	1	20
Benzene	50.0	49.1		ug/L		98	80 - 120	1	20
Bromochloromethane	50.0	46.7		ug/L		93	80 - 120	1	20
Bromodichloromethane	50.0	50.7		ug/L		101	80 - 120	0	20
Bromoform	50.0	51.3		ug/L		103	74 - 126	1	20
Bromomethane	50.0	139	**1	ug/L		277	62 - 130	21	20
2-Butanone (MEK)	250	224		ug/L		90	80 - 131	1	20
Carbon disulfide	50.0	46.9		ug/L		94	80 - 120	2	20
Carbon tetrachloride	50.0	49.1		ug/L		98	76 - 123	1	20
Chlorobenzene	50.0	50.1		ug/L		100	80 - 120	2	20
Chloroethane	50.0	120	*	ug/L		240	66 - 135	2	20
Chloroform	50.0	50.5		ug/L		101	80 - 120	1	20
Chloromethane	50.0	50.9		ug/L		102	69 - 131	1	30
cis-1,2-Dichloroethene	50.0	52.0		ug/L		104	80 - 120	3	20
cis-1,3-Dichloropropene	50.0	51.4		ug/L		103	80 - 120	2	20
Dibromochloromethane	50.0	51.5		ug/L		103	80 - 121	0	20
1,2-Dibromo-3-Chloropropane	50.0	50.9		ug/L		102	71 - 134	2	20
1,2-Dibromoethane	50.0	53.6		ug/L		107	80 - 120	0	20
Dibromomethane	50.0	51.6		ug/L		103	80 - 120	1	20
1,2-Dichlorobenzene	50.0	52.4		ug/L		105	80 - 120	2	20
1,4-Dichlorobenzene	50.0	50.1		ug/L		100	80 - 120	2	20
1,1-Dichloroethane	50.0	50.5		ug/L		101	80 - 120	3	20
1,2-Dichloroethane	50.0	52.4		ug/L		105	80 - 120	2	50
1,1-Dichloroethene	50.0	48.9		ug/L		98	76 - 120	1	20
1,2-Dichloropropane	50.0	51.6		ug/L		103	80 - 120	2	20
1,3-Dichloropropane	50.0	51.5		ug/L		103	80 - 120	1	20
Ethylbenzene	50.0	50.9		ug/L		102	80 - 120	4	20
2-Hexanone	250	237		ug/L		95	74 - 127	0	20
Iodomethane	50.0	54.0		ug/L		108	52 - 142	5	30
Methylene Chloride	50.0	45.0		ug/L		90	80 - 120	0	20
4-Methyl-2-pentanone (MIBK)	250	271		ug/L		108	76 - 124	0	20
Methyl tert-butyl ether	50.0	50.1		ug/L		100	80 - 120	1	20
Styrene	50.0	49.7		ug/L		99	80 - 120	2	20
1,1,1,2-Tetrachloroethane	50.0	52.7		ug/L		105	80 - 121	4	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620687/4

Matrix: Water

Analysis Batch: 620687

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	50.3		ug/L		101	80 - 120	2	20
Tetrachloroethylene	50.0	51.4		ug/L		103	80 - 121	3	20
Toluene	50.0	51.6		ug/L		103	80 - 113	2	20
trans-1,4-Dichloro-2-butene	50.0	51.1		ug/L		102	68 - 125	1	30
trans-1,2-Dichloroethene	50.0	49.1		ug/L		98	80 - 120	0	20
trans-1,3-Dichloropropene	50.0	53.7		ug/L		107	80 - 120	1	30
1,1,1-Trichloroethane	50.0	49.6		ug/L		99	80 - 120	2	20
1,1,2-Trichloroethane	50.0	50.4		ug/L		101	80 - 120	0	20
Trichloroethene	50.0	51.9		ug/L		104	80 - 120	2	20
Trichlorofluoromethane	50.0	53.1		ug/L		106	60 - 141	1	20
1,2,3-Trichloropropane	50.0	53.7		ug/L		107	80 - 123	2	30
Vinyl acetate	100	101		ug/L		101	67 - 135	0	20
Vinyl chloride	50.0	47.8		ug/L		96	71 - 128	1	20
Xylenes, Total	100	102		ug/L		102	80 - 120	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	102		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		73 - 131
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 680-620693/10

Matrix: Water

Analysis Batch: 620693

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			06/02/20 01:44	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 01:44	1
Benzene	0.43	U	1.0	0.43	ug/L			06/02/20 01:44	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 01:44	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 01:44	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 01:44	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 01:44	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 01:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 01:44	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 01:44	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/02/20 01:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 01:44	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 01:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 01:44	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/02/20 01:44	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 01:44	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 01:44	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 01:44	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 01:44	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 01:44	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 01:44	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 01:44	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620693/10

Matrix: Water

Analysis Batch: 620693

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			06/02/20 01:44	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/02/20 01:44	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 01:44	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 01:44	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 01:44	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 01:44	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 01:44	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 01:44	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 01:44	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 01:44	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 01:44	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 01:44	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 01:44	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 01:44	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 01:44	1
Toluene	0.48	U	1.0	0.48	ug/L			06/02/20 01:44	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 01:44	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/02/20 01:44	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 01:44	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 01:44	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 01:44	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/02/20 01:44	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 01:44	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 01:44	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 01:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/02/20 01:44	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 01:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		80 - 120		06/02/20 01:44	1
Dibromofluoromethane (Surr)	105		80 - 122		06/02/20 01:44	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/02/20 01:44	1
Toluene-d8 (Surr)	102		80 - 120		06/02/20 01:44	1

Lab Sample ID: LCS 680-620693/5

Matrix: Water

Analysis Batch: 620693

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	238		ug/L		95	70 - 135
Acrylonitrile	500	500		ug/L		100	80 - 123
Benzene	50.0	48.7		ug/L		97	80 - 120
Bromochloromethane	50.0	52.1		ug/L		104	80 - 120
Bromodichloromethane	50.0	49.2		ug/L		98	80 - 120
Bromoform	50.0	55.9		ug/L		112	74 - 126
Bromomethane	50.0	59.8		ug/L		120	62 - 130
2-Butanone (MEK)	250	265		ug/L		106	80 - 131
Carbon disulfide	50.0	49.8		ug/L		100	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620693/5

Matrix: Water

Analysis Batch: 620693

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	47.0		ug/L		94	76 - 123
Chlorobenzene	50.0	49.1		ug/L		98	80 - 120
Chloroethane	50.0	53.2		ug/L		106	66 - 135
Chloroform	50.0	47.3		ug/L		95	80 - 120
Chloromethane	50.0	45.7		ug/L		91	69 - 131
cis-1,2-Dichloroethene	50.0	45.0		ug/L		90	80 - 120
cis-1,3-Dichloropropene	50.0	50.1		ug/L		100	80 - 120
Dibromochloromethane	50.0	53.2		ug/L		106	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/L		101	71 - 134
1,2-Dibromoethane	50.0	51.8		ug/L		104	80 - 120
Dibromomethane	50.0	49.0		ug/L		98	80 - 120
1,2-Dichlorobenzene	50.0	51.6		ug/L		103	80 - 120
1,4-Dichlorobenzene	50.0	48.3		ug/L		97	80 - 120
1,1-Dichloroethane	50.0	47.2		ug/L		94	80 - 120
1,2-Dichloroethane	50.0	48.0		ug/L		96	80 - 120
1,1-Dichloroethene	50.0	46.6		ug/L		93	76 - 120
1,2-Dichloropropane	50.0	49.3		ug/L		99	80 - 120
1,3-Dichloropropane	50.0	42.6		ug/L		85	80 - 120
Ethylbenzene	50.0	47.9		ug/L		96	80 - 120
2-Hexanone	250	251		ug/L		100	74 - 127
Iodomethane	50.0	56.9		ug/L		114	52 - 142
Methylene Chloride	50.0	50.6		ug/L		101	80 - 120
4-Methyl-2-pentanone (MIBK)	250	256		ug/L		103	76 - 124
Methyl tert-butyl ether	50.0	50.1		ug/L		100	80 - 120
Styrene	50.0	50.1		ug/L		100	80 - 120
1,1,1,2-Tetrachloroethane	50.0	51.6		ug/L		103	80 - 121
1,1,1,2,2-Tetrachloroethane	50.0	50.6		ug/L		101	80 - 120
Tetrachloroethylene	50.0	47.7		ug/L		95	80 - 121
Toluene	50.0	48.7		ug/L		97	80 - 113
trans-1,4-Dichloro-2-butene	50.0	47.6		ug/L		95	68 - 125
trans-1,2-Dichloroethene	50.0	47.8		ug/L		96	80 - 120
trans-1,3-Dichloropropene	50.0	52.2		ug/L		104	80 - 120
1,1,1-Trichloroethane	50.0	45.5		ug/L		91	80 - 120
1,1,2-Trichloroethane	50.0	52.6		ug/L		105	80 - 120
Trichloroethene	50.0	46.3		ug/L		93	80 - 120
Trichlorofluoromethane	50.0	50.1		ug/L		100	60 - 141
1,2,3-Trichloropropane	50.0	51.6		ug/L		103	80 - 123
Vinyl acetate	100	110		ug/L		110	67 - 135
Vinyl chloride	50.0	43.5		ug/L		87	71 - 128
Xylenes, Total	100	96.6		ug/L		97	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	96		80 - 122
1,2-Dichloroethane-d4 (Surr)	92		73 - 131
Toluene-d8 (Surr)	95		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620693/6

Matrix: Water

Analysis Batch: 620693

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	239		ug/L		96	70 - 135	0	30
Acrylonitrile	500	504		ug/L		101	80 - 123	1	20
Benzene	50.0	49.8		ug/L		100	80 - 120	2	20
Bromochloromethane	50.0	52.4		ug/L		105	80 - 120	0	20
Bromodichloromethane	50.0	49.5		ug/L		99	80 - 120	1	20
Bromoform	50.0	57.7		ug/L		115	74 - 126	3	20
Bromomethane	50.0	61.0		ug/L		122	62 - 130	2	20
2-Butanone (MEK)	250	266		ug/L		106	80 - 131	0	20
Carbon disulfide	50.0	51.0		ug/L		102	80 - 120	2	20
Carbon tetrachloride	50.0	47.4		ug/L		95	76 - 123	1	20
Chlorobenzene	50.0	50.9		ug/L		102	80 - 120	4	20
Chloroethane	50.0	55.0		ug/L		110	66 - 135	3	20
Chloroform	50.0	48.0		ug/L		96	80 - 120	1	20
Chloromethane	50.0	50.5		ug/L		101	69 - 131	10	30
cis-1,2-Dichloroethene	50.0	45.6		ug/L		91	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	50.4		ug/L		101	80 - 120	1	20
Dibromochloromethane	50.0	53.7		ug/L		107	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	51.5		ug/L		103	71 - 134	2	20
1,2-Dibromoethane	50.0	52.6		ug/L		105	80 - 120	1	20
Dibromomethane	50.0	50.2		ug/L		100	80 - 120	2	20
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120	1	20
1,4-Dichlorobenzene	50.0	49.4		ug/L		99	80 - 120	2	20
1,1-Dichloroethane	50.0	48.8		ug/L		98	80 - 120	3	20
1,2-Dichloroethane	50.0	48.5		ug/L		97	80 - 120	1	50
1,1-Dichloroethene	50.0	47.8		ug/L		96	76 - 120	3	20
1,2-Dichloropropane	50.0	50.4		ug/L		101	80 - 120	2	20
1,3-Dichloropropane	50.0	43.2		ug/L		86	80 - 120	1	20
Ethylbenzene	50.0	49.7		ug/L		99	80 - 120	4	20
2-Hexanone	250	254		ug/L		102	74 - 127	1	20
Iodomethane	50.0	57.6		ug/L		115	52 - 142	1	30
Methylene Chloride	50.0	50.7		ug/L		101	80 - 120	0	20
4-Methyl-2-pentanone (MIBK)	250	261		ug/L		104	76 - 124	2	20
Methyl tert-butyl ether	50.0	50.3		ug/L		101	80 - 120	0	20
Styrene	50.0	51.9		ug/L		104	80 - 120	4	20
1,1,1,2-Tetrachloroethane	50.0	53.3		ug/L		107	80 - 121	3	20
1,1,2,2-Tetrachloroethane	50.0	52.0		ug/L		104	80 - 120	3	20
Tetrachloroethylene	50.0	47.5		ug/L		95	80 - 121	0	20
Toluene	50.0	49.7		ug/L		99	80 - 113	2	20
trans-1,4-Dichloro-2-butene	50.0	47.9		ug/L		96	68 - 125	1	30
trans-1,2-Dichloroethene	50.0	48.3		ug/L		97	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	52.4		ug/L		105	80 - 120	0	30
1,1,1-Trichloroethane	50.0	46.3		ug/L		93	80 - 120	2	20
1,1,2-Trichloroethane	50.0	52.6		ug/L		105	80 - 120	0	20
Trichloroethene	50.0	46.9		ug/L		94	80 - 120	1	20
Trichlorofluoromethane	50.0	49.2		ug/L		98	60 - 141	2	20
1,2,3-Trichloropropane	50.0	53.0		ug/L		106	80 - 123	3	30
Vinyl acetate	100	108		ug/L		108	67 - 135	2	20
Vinyl chloride	50.0	43.6		ug/L		87	71 - 128	0	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620693/6

Matrix: Water

Analysis Batch: 620693

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	101		ug/L		101	80 - 120	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		80 - 120						
Dibromofluoromethane (Surr)	98		80 - 122						
1,2-Dichloroethane-d4 (Surr)	93		73 - 131						
Toluene-d8 (Surr)	96		80 - 120						

Lab Sample ID: MB 680-620699/9

Matrix: Water

Analysis Batch: 620699

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			06/01/20 20:22	1
Acrylonitrile	10	U	20	10	ug/L			06/01/20 20:22	1
Benzene	0.43	U	1.0	0.43	ug/L			06/01/20 20:22	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/01/20 20:22	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/01/20 20:22	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/01/20 20:22	1
Bromomethane	8.07	U	5.0	2.5	ug/L			06/01/20 20:22	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/01/20 20:22	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/01/20 20:22	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/01/20 20:22	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/01/20 20:22	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/01/20 20:22	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/01/20 20:22	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/01/20 20:22	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/01/20 20:22	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/01/20 20:22	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/01/20 20:22	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/01/20 20:22	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/01/20 20:22	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/01/20 20:22	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/01/20 20:22	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/01/20 20:22	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/01/20 20:22	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/01/20 20:22	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/01/20 20:22	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/01/20 20:22	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/01/20 20:22	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/01/20 20:22	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/01/20 20:22	1
Iodomethane	5.0	U	10	5.0	ug/L			06/01/20 20:22	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/01/20 20:22	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/01/20 20:22	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/01/20 20:22	1
Styrene	0.27	U	1.0	0.27	ug/L			06/01/20 20:22	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 20:22	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620699/9

Matrix: Water

Analysis Batch: 620699

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			06/01/20 20:22	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/01/20 20:22	1
Toluene	0.48	U	1.0	0.48	ug/L			06/01/20 20:22	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/01/20 20:22	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/01/20 20:22	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/01/20 20:22	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/01/20 20:22	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/01/20 20:22	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/01/20 20:22	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/01/20 20:22	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/01/20 20:22	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/01/20 20:22	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/01/20 20:22	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/01/20 20:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		80 - 120		06/01/20 20:22	1
Dibromofluoromethane (Surr)	113		80 - 122		06/01/20 20:22	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/01/20 20:22	1
Toluene-d8 (Surr)	110		80 - 120		06/01/20 20:22	1

Lab Sample ID: LCS 680-620699/4

Matrix: Water

Analysis Batch: 620699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	235		ug/L		94	70 - 135
Acrylonitrile	500	457		ug/L		91	80 - 123
Benzene	50.0	52.0		ug/L		104	80 - 120
Bromochloromethane	50.0	56.0		ug/L		112	80 - 120
Bromodichloromethane	50.0	50.7		ug/L		101	80 - 120
Bromoform	50.0	55.6		ug/L		111	74 - 126
Bromomethane	50.0	278	E *	ug/L		556	62 - 130
2-Butanone (MEK)	250	252		ug/L		101	80 - 131
Carbon disulfide	50.0	51.2		ug/L		102	80 - 120
Carbon tetrachloride	50.0	55.1		ug/L		110	76 - 123
Chlorobenzene	50.0	54.9		ug/L		110	80 - 120
Chloroethane	50.0	52.5		ug/L		105	66 - 135
Chloroform	50.0	51.0		ug/L		102	80 - 120
Chloromethane	50.0	44.2		ug/L		88	69 - 131
cis-1,2-Dichloroethene	50.0	46.0		ug/L		92	80 - 120
cis-1,3-Dichloropropene	50.0	50.0		ug/L		100	80 - 120
Dibromochloromethane	50.0	56.2		ug/L		112	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	47.9		ug/L		96	71 - 134
1,2-Dibromoethane	50.0	51.6		ug/L		103	80 - 120
Dibromomethane	50.0	49.4		ug/L		99	80 - 120
1,2-Dichlorobenzene	50.0	54.3		ug/L		109	80 - 120
1,4-Dichlorobenzene	50.0	51.9		ug/L		104	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620699/4

Matrix: Water

Analysis Batch: 620699

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	49.8		ug/L		100	80 - 120
1,2-Dichloroethane	50.0	51.0		ug/L		102	80 - 120
1,1-Dichloroethene	50.0	52.5		ug/L		105	76 - 120
1,2-Dichloropropane	50.0	47.1		ug/L		94	80 - 120
1,3-Dichloropropane	50.0	45.0		ug/L		90	80 - 120
Ethylbenzene	50.0	53.4		ug/L		107	80 - 120
2-Hexanone	250	202		ug/L		81	74 - 127
Iodomethane	50.0	55.3		ug/L		111	52 - 142
Methylene Chloride	50.0	44.0		ug/L		88	80 - 120
4-Methyl-2-pentanone (MIBK)	250	227		ug/L		91	76 - 124
Methyl tert-butyl ether	50.0	49.2		ug/L		98	80 - 120
Styrene	50.0	52.9		ug/L		106	80 - 120
1,1,1,2-Tetrachloroethane	50.0	58.8		ug/L		118	80 - 121
1,1,2,2-Tetrachloroethane	50.0	52.1		ug/L		104	80 - 120
Tetrachloroethylene	50.0	59.3		ug/L		119	80 - 121
Toluene	50.0	54.0		ug/L		108	80 - 113
trans-1,4-Dichloro-2-butene	50.0	53.5		ug/L		107	68 - 125
trans-1,2-Dichloroethene	50.0	51.4		ug/L		103	80 - 120
trans-1,3-Dichloropropene	50.0	53.8		ug/L		108	80 - 120
1,1,1-Trichloroethane	50.0	51.8		ug/L		104	80 - 120
1,1,2-Trichloroethane	50.0	52.8		ug/L		106	80 - 120
Trichloroethene	50.0	52.7		ug/L		105	80 - 120
Trichlorofluoromethane	50.0	52.8		ug/L		106	60 - 141
1,2,3-Trichloropropane	50.0	51.0		ug/L		102	80 - 123
Vinyl acetate	100	101		ug/L		101	67 - 135
Vinyl chloride	50.0	48.5		ug/L		97	71 - 128
Xylenes, Total	100	104		ug/L		104	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	106		80 - 122
1,2-Dichloroethane-d4 (Surr)	105		73 - 131
Toluene-d8 (Surr)	107		80 - 120

Lab Sample ID: LCSD 680-620699/5

Matrix: Water

Analysis Batch: 620699

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	256		ug/L		103	70 - 135	9	30
Acrylonitrile	500	499		ug/L		100	80 - 123	9	20
Benzene	50.0	51.9		ug/L		104	80 - 120	0	20
Bromochloromethane	50.0	58.1		ug/L		116	80 - 120	4	20
Bromodichloromethane	50.0	51.6		ug/L		103	80 - 120	2	20
Bromoform	50.0	58.4		ug/L		117	74 - 126	5	20
Bromomethane	50.0	274	E *	ug/L		549	62 - 130	1	20
2-Butanone (MEK)	250	282		ug/L		113	80 - 131	11	20
Carbon disulfide	50.0	49.1		ug/L		98	80 - 120	4	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620699/5

Matrix: Water

Analysis Batch: 620699

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	53.6		ug/L		107	76 - 123	3	20
Chlorobenzene	50.0	54.9		ug/L		110	80 - 120	0	20
Chloroethane	50.0	52.2		ug/L		104	66 - 135	1	20
Chloroform	50.0	51.3		ug/L		103	80 - 120	1	20
Chloromethane	50.0	42.2		ug/L		84	69 - 131	4	30
cis-1,2-Dichloroethene	50.0	46.6		ug/L		93	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	52.0		ug/L		104	80 - 120	4	20
Dibromochloromethane	50.0	58.8		ug/L		118	80 - 121	5	20
1,2-Dibromo-3-Chloropropane	50.0	52.5		ug/L		105	71 - 134	9	20
1,2-Dibromoethane	50.0	54.8		ug/L		110	80 - 120	6	20
Dibromomethane	50.0	52.5		ug/L		105	80 - 120	6	20
1,2-Dichlorobenzene	50.0	54.8		ug/L		110	80 - 120	1	20
1,4-Dichlorobenzene	50.0	52.0		ug/L		104	80 - 120	0	20
1,1-Dichloroethane	50.0	49.7		ug/L		99	80 - 120	0	20
1,2-Dichloroethane	50.0	53.2		ug/L		106	80 - 120	4	50
1,1-Dichloroethene	50.0	51.2		ug/L		102	76 - 120	3	20
1,2-Dichloropropane	50.0	48.7		ug/L		97	80 - 120	3	20
1,3-Dichloropropane	50.0	47.2		ug/L		94	80 - 120	5	20
Ethylbenzene	50.0	52.0		ug/L		104	80 - 120	3	20
2-Hexanone	250	224		ug/L		90	74 - 127	10	20
Iodomethane	50.0	54.7		ug/L		109	52 - 142	1	30
Methylene Chloride	50.0	45.1		ug/L		90	80 - 120	2	20
4-Methyl-2-pentanone (MIBK)	250	248		ug/L		99	76 - 124	9	20
Methyl tert-butyl ether	50.0	52.2		ug/L		104	80 - 120	6	20
Styrene	50.0	53.1		ug/L		106	80 - 120	0	20
1,1,1,2-Tetrachloroethane	50.0	59.4		ug/L		119	80 - 121	1	20
1,1,2,2-Tetrachloroethane	50.0	55.4		ug/L		111	80 - 120	6	20
Tetrachloroethylene	50.0	57.4		ug/L		115	80 - 121	3	20
Toluene	50.0	53.2		ug/L		106	80 - 113	2	20
trans-1,4-Dichloro-2-butene	50.0	56.1		ug/L		112	68 - 125	5	30
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	56.1		ug/L		112	80 - 120	4	30
1,1,1-Trichloroethane	50.0	51.1		ug/L		102	80 - 120	1	20
1,1,2-Trichloroethane	50.0	55.5		ug/L		111	80 - 120	5	20
Trichloroethene	50.0	52.5		ug/L		105	80 - 120	0	20
Trichlorofluoromethane	50.0	50.5		ug/L		101	60 - 141	4	20
1,2,3-Trichloropropane	50.0	55.8		ug/L		112	80 - 123	9	30
Vinyl acetate	100	107		ug/L		107	67 - 135	5	20
Vinyl chloride	50.0	46.0		ug/L		92	71 - 128	5	20
Xylenes, Total	100	103		ug/L		103	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		80 - 120
Dibromofluoromethane (Surr)	108		80 - 122
1,2-Dichloroethane-d4 (Surr)	110		73 - 131
Toluene-d8 (Surr)	105		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: 680-184196-7 MS

Matrix: Water

Analysis Batch: 620699

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	7.8	J F2	250	157		ug/L		60	60 - 154
Acrylonitrile	10	U F1 F2	500	320	F1	ug/L		64	72 - 132
Benzene	0.92	J F2	50.0	39.2		ug/L		77	73 - 131
Bromochloromethane	0.45	U F2	50.0	41.9		ug/L		84	77 - 122
Bromodichloromethane	0.44	U F1 F2	50.0	36.9	F1	ug/L		74	77 - 129
Bromoform	0.43	U F2	50.0	41.0		ug/L		82	69 - 135
Bromomethane	2.5	U * F1 F2	50.0	135	F1	ug/L		269	20 - 180
2-Butanone (MEK)	3.4	U F1 F2	250	169	F1	ug/L		68	75 - 133
Carbon disulfide	1.0	U F2	50.0	37.3		ug/L		75	73 - 127
Carbon tetrachloride	0.33	U F2	50.0	40.6		ug/L		81	75 - 130
Chlorobenzene	40	F1 F2	50.0	125	F1	ug/L		169	80 - 120
Chloroethane	3.7	J F2	50.0	43.2		ug/L		79	50 - 151
Chloroform	0.50	U F1 F2	50.0	37.5	F1	ug/L		75	79 - 122
Chloromethane	0.40	U F1 F2	50.0	30.7	F1	ug/L		61	63 - 126
cis-1,2-Dichloroethene	0.61	J F1 F2	50.0	33.4	F1	ug/L		65	80 - 122
cis-1,3-Dichloropropene	0.40	U F1 F2	50.0	35.5	F1	ug/L		71	80 - 133
Dibromochloromethane	0.32	U F2	50.0	40.9		ug/L		82	71 - 136
1,2-Dibromo-3-Chloropropane	1.1	U F2	50.0	33.2		ug/L		66	59 - 141
1,2-Dibromoethane	0.44	U F1 F2	50.0	37.3	F1	ug/L		75	77 - 131
Dibromomethane	0.35	U F1 F2	50.0	35.9	F1	ug/L		72	80 - 122
1,2-Dichlorobenzene	0.37	U F1 F2	50.0	38.9	F1	ug/L		78	80 - 120
1,4-Dichlorobenzene	0.46	U F1 F2	50.0	37.3	F1	ug/L		75	80 - 120
1,1-Dichloroethane	0.38	U F1 F2	50.0	36.3	F1	ug/L		73	80 - 120
1,2-Dichloroethane	6.8	F1	50.0	40.2	F1	ug/L		67	75 - 130
1,1-Dichloroethene	0.36	U F2	50.0	39.2		ug/L		78	74 - 125
1,2-Dichloropropane	0.67	U F1 F2	50.0	34.6	F1	ug/L		69	80 - 123
1,3-Dichloropropane	0.34	U F1 F2	50.0	32.4	F1	ug/L		65	78 - 127
Ethylbenzene	0.33	U F1 F2	50.0	38.9	F1	ug/L		78	80 - 120
2-Hexanone	2.0	U F1 F2	250	139	F1	ug/L		56	70 - 141
Iodomethane	5.0	U F2	50.0	36.9		ug/L		74	15 - 162
Methylene Chloride	2.5	U F1 F2	50.0	32.4	F1	ug/L		65	76 - 129
4-Methyl-2-pentanone (MIBK)	2.1	U F1 F2	250	158	F1	ug/L		63	75 - 135
Methyl tert-butyl ether	0.30	U F1 F2	50.0	34.1	F1	ug/L		68	74 - 135
Styrene	0.27	U F1 F2	50.0	38.8	F1	ug/L		78	80 - 122
1,1,1,2-Tetrachloroethane	0.37	U F1 F2	50.0	43.7		ug/L		87	80 - 120
1,1,2,2-Tetrachloroethane	0.62	U F2	50.0	38.4		ug/L		77	72 - 128
Tetrachloroethylene	0.74	U F2	50.0	40.9		ug/L		82	77 - 123
Toluene	6.7	F1 F2	50.0	41.8	F1	ug/L		70	80 - 122
trans-1,4-Dichloro-2-butene	0.51	U F2	50.0	34.7		ug/L		69	55 - 147
trans-1,2-Dichloroethene	0.81	J F1 F2	50.0	38.9	F1	ug/L		76	78 - 123
trans-1,3-Dichloropropene	0.42	U F2	50.0	37.6		ug/L		75	74 - 140
1,1,1-Trichloroethane	0.37	U F2	50.0	38.5		ug/L		77	74 - 128
1,1,2-Trichloroethane	0.33	U F1 F2	50.0	38.5	F1	ug/L		77	79 - 125
Trichloroethene	0.48	U F1 F2	50.0	38.2	F1	ug/L		76	80 - 123
Trichlorofluoromethane	0.42	U F2	50.0	37.9		ug/L		76	58 - 145
1,2,3-Trichloropropane	0.39	U F2	50.0	37.7		ug/L		75	70 - 132
Vinyl acetate	0.81	U F2	100	77.5		ug/L		77	15 - 190
Vinyl chloride	0.50	U F2	50.0	35.2		ug/L		70	68 - 132

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: 680-184196-7 MS

Matrix: Water

Analysis Batch: 620699

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
Xylenes, Total	0.23	U F1 F2	100	77.2	F1	ug/L		77	80 - 120
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	70	X	80 - 120						
Dibromofluoromethane (Surr)	79	X	80 - 122						
1,2-Dichloroethane-d4 (Surr)	76		73 - 131						
Toluene-d8 (Surr)	79	X	80 - 120						

Lab Sample ID: 680-184196-7 MSD

Matrix: Water

Analysis Batch: 620699

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	7.8	J F2	250	229	F2	ug/L		88	60 - 154	37	30
Acrylonitrile	10	U F1 F2	500	454	F2	ug/L		91	72 - 132	35	20
Benzene	0.92	J F2	50.0	54.7	F2	ug/L		108	73 - 131	33	20
Bromochloromethane	0.45	U F2	50.0	58.7	F2	ug/L		117	77 - 122	33	20
Bromodichloromethane	0.44	U F1 F2	50.0	52.8	F2	ug/L		106	77 - 129	35	20
Bromoform	0.43	U F2	50.0	59.5	F2	ug/L		119	69 - 135	37	20
Bromomethane	2.5	U * F1 F2	50.0	241	E F1 F2	ug/L		483	20 - 180	57	20
2-Butanone (MEK)	3.4	U F1 F2	250	252	F2	ug/L		101	75 - 133	39	20
Carbon disulfide	1.0	U F2	50.0	50.3	F2	ug/L		101	73 - 127	30	20
Carbon tetrachloride	0.33	U F2	50.0	57.4	F2	ug/L		115	75 - 130	34	20
Chlorobenzene	40	F1 F2	50.0	99.9	F2	ug/L		119	80 - 120	22	20
Chloroethane	3.7	J F2	50.0	58.0	F2	ug/L		109	50 - 151	29	20
Chloroform	0.50	U F1 F2	50.0	53.2	F2	ug/L		106	79 - 122	35	20
Chloromethane	0.40	U F1 F2	50.0	42.0	F2	ug/L		84	63 - 126	31	30
cis-1,2-Dichloroethene	0.61	J F1 F2	50.0	47.5	F2	ug/L		94	80 - 122	35	20
cis-1,3-Dichloropropene	0.40	U F1 F2	50.0	51.1	F2	ug/L		102	80 - 133	36	20
Dibromochloromethane	0.32	U F2	50.0	60.5	F2	ug/L		121	71 - 136	39	20
1,2-Dibromo-3-Chloropropane	1.1	U F2	50.0	50.6	F2	ug/L		101	59 - 141	42	20
1,2-Dibromoethane	0.44	U F1 F2	50.0	54.1	F2	ug/L		108	77 - 131	37	20
Dibromomethane	0.35	U F1 F2	50.0	51.0	F2	ug/L		102	80 - 122	35	20
1,2-Dichlorobenzene	0.37	U F1 F2	50.0	55.5	F2	ug/L		111	80 - 120	35	20
1,4-Dichlorobenzene	0.46	U F1 F2	50.0	53.3	F2	ug/L		107	80 - 120	35	20
1,1-Dichloroethane	0.38	U F1 F2	50.0	52.0	F2	ug/L		104	80 - 120	36	20
1,2-Dichloroethane	6.8	F1	50.0	58.3		ug/L		103	75 - 130	37	50
1,1-Dichloroethene	0.36	U F2	50.0	54.0	F2	ug/L		108	74 - 125	32	20
1,2-Dichloropropane	0.67	U F1 F2	50.0	50.0	F2	ug/L		100	80 - 123	36	20
1,3-Dichloropropane	0.34	U F1 F2	50.0	47.2	F2	ug/L		94	78 - 127	37	20
Ethylbenzene	0.33	U F1 F2	50.0	55.1	F2	ug/L		110	80 - 120	35	20
2-Hexanone	2.0	U F1 F2	250	203	F2	ug/L		81	70 - 141	37	20
Iodomethane	5.0	U F2	50.0	56.1	F2	ug/L		112	15 - 162	41	30
Methylene Chloride	2.5	U F1 F2	50.0	44.9	F2	ug/L		90	76 - 129	32	20
4-Methyl-2-pentanone (MIBK)	2.1	U F1 F2	250	233	F2	ug/L		93	75 - 135	38	20
Methyl tert-butyl ether	0.30	U F1 F2	50.0	49.6	F2	ug/L		99	74 - 135	37	20
Styrene	0.27	U F1 F2	50.0	55.4	F2	ug/L		111	80 - 122	35	20
1,1,1,2-Tetrachloroethane	0.37	U F1 F2	50.0	63.8	F1 F2	ug/L		128	80 - 120	38	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: 680-184196-7 MSD

Matrix: Water

Analysis Batch: 620699

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
1,1,2,2-Tetrachloroethane	0.62	U F2	50.0	56.6	F2	ug/L		113	72 - 128	38	20
Tetrachloroethylene	0.74	U F2	50.0	57.3	F2	ug/L		115	77 - 123	33	20
Toluene	6.7	F1 F2	50.0	61.3	F2	ug/L		109	80 - 122	38	20
trans-1,4-Dichloro-2-butene	0.51	U F2	50.0	50.7	F2	ug/L		101	55 - 147	37	30
trans-1,2-Dichloroethene	0.81	J F1 F2	50.0	52.2	F2	ug/L		103	78 - 123	29	20
trans-1,3-Dichloropropene	0.42	U F2	50.0	54.6	F2	ug/L		109	74 - 140	37	30
1,1,1-Trichloroethane	0.37	U F2	50.0	55.2	F2	ug/L		110	74 - 128	36	20
1,1,2-Trichloroethane	0.33	U F1 F2	50.0	55.7	F2	ug/L		111	79 - 125	37	20
Trichloroethene	0.48	U F1 F2	50.0	53.7	F2	ug/L		107	80 - 123	34	20
Trichlorofluoromethane	0.42	U F2	50.0	53.1	F2	ug/L		106	58 - 145	34	20
1,2,3-Trichloropropane	0.39	U F2	50.0	54.7	F2	ug/L		109	70 - 132	37	30
Vinyl acetate	0.81	U F2	100	110	F2	ug/L		110	15 - 190	35	20
Vinyl chloride	0.50	U F2	50.0	48.5	F2	ug/L		97	68 - 132	32	20
Xylenes, Total	0.23	U F1 F2	100	107	F2	ug/L		107	80 - 120	32	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	112		80 - 122
1,2-Dichloroethane-d4 (Surr)	109		73 - 131
Toluene-d8 (Surr)	112		80 - 120

Lab Sample ID: MB 680-620797/8

Matrix: Water

Analysis Batch: 620797

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			06/02/20 09:11	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 09:11	1
Benzene	0.43	U	1.0	0.43	ug/L			06/02/20 09:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 09:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 09:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 09:11	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 09:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 09:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 09:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 09:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/02/20 09:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 09:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 09:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 09:11	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/02/20 09:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 09:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 09:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 09:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 09:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 09:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 09:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 09:11	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620797/8

Matrix: Water

Analysis Batch: 620797

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			06/02/20 09:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/02/20 09:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 09:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 09:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 09:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 09:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 09:11	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 09:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 09:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 09:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 09:11	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 09:11	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 09:11	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 09:11	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 09:11	1
Toluene	0.48	U	1.0	0.48	ug/L			06/02/20 09:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 09:11	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/02/20 09:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 09:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 09:11	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 09:11	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/02/20 09:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 09:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 09:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 09:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/02/20 09:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 09:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122	X	80 - 120		06/02/20 09:11	1
Dibromofluoromethane (Surr)	101		80 - 122		06/02/20 09:11	1
1,2-Dichloroethane-d4 (Surr)	85		73 - 131		06/02/20 09:11	1
Toluene-d8 (Surr)	106		80 - 120		06/02/20 09:11	1

Lab Sample ID: LCSD 680-620797/5

Matrix: Water

Analysis Batch: 620797

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	70 - 135	19	30
Acrylonitrile	500	471	*1	ug/L		94	80 - 123	23	20
Benzene	50.0	51.9		ug/L		104	80 - 120	0	20
Bromochloromethane	50.0	45.8		ug/L		92	80 - 120	5	20
Bromodichloromethane	50.0	47.4		ug/L		95	80 - 120	20	20
Bromoform	50.0	42.1		ug/L		84	74 - 126	7	20
Bromomethane	50.0	54.9		ug/L		110	62 - 130	19	20
2-Butanone (MEK)	250	213		ug/L		85	80 - 131	12	20
Carbon disulfide	50.0	45.9		ug/L		92	80 - 120	11	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620797/5

Matrix: Water

Analysis Batch: 620797

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	43.1		ug/L		86	76 - 123	1	20
Chlorobenzene	50.0	46.7		ug/L		93	80 - 120	2	20
Chloroethane	50.0	44.3		ug/L		89	66 - 135	4	20
Chloroform	50.0	43.1		ug/L		86	80 - 120	2	20
Chloromethane	50.0	49.0		ug/L		98	69 - 131	1	30
cis-1,2-Dichloroethene	50.0	46.7		ug/L		93	80 - 120	2	20
cis-1,3-Dichloropropene	50.0	48.6		ug/L		97	80 - 120	19	20
Dibromochloromethane	50.0	45.1		ug/L		90	80 - 121	13	20
1,2-Dibromo-3-Chloropropane	50.0	46.0		ug/L		92	71 - 134	1	20
1,2-Dibromoethane	50.0	49.5		ug/L		99	80 - 120	12	20
Dibromomethane	50.0	47.2	*1	ug/L		94	80 - 120	21	20
1,2-Dichlorobenzene	50.0	52.4		ug/L		105	80 - 120	3	20
1,4-Dichlorobenzene	50.0	48.2		ug/L		96	80 - 120	4	20
1,1-Dichloroethane	50.0	42.5		ug/L		85	80 - 120	9	20
1,2-Dichloroethane	50.0	42.4		ug/L		85	80 - 120	2	50
1,1-Dichloroethene	50.0	44.8		ug/L		90	76 - 120	6	20
1,2-Dichloropropane	50.0	56.4		ug/L		113	80 - 120	3	20
1,3-Dichloropropane	50.0	48.4		ug/L		97	80 - 120	12	20
Ethylbenzene	50.0	51.0		ug/L		102	80 - 120	2	20
2-Hexanone	250	265		ug/L		106	74 - 127	18	20
Iodomethane	50.0	41.5		ug/L		83	52 - 142	0	30
Methylene Chloride	50.0	48.4		ug/L		97	80 - 120	12	20
4-Methyl-2-pentanone (MIBK)	250	275	*1	ug/L		110	76 - 124	29	20
Methyl tert-butyl ether	50.0	44.1		ug/L		88	80 - 120	14	20
Styrene	50.0	54.4		ug/L		109	80 - 120	5	20
1,1,1,2-Tetrachloroethane	50.0	45.0		ug/L		90	80 - 121	4	20
1,1,1,2,2-Tetrachloroethane	50.0	48.3		ug/L		97	80 - 120	10	20
Tetrachloroethylene	50.0	46.5		ug/L		93	80 - 121	15	20
Toluene	50.0	53.9	*1	ug/L		108	80 - 113	21	20
trans-1,4-Dichloro-2-butene	50.0	49.9		ug/L		100	68 - 125	5	30
trans-1,2-Dichloroethene	50.0	45.8		ug/L		92	80 - 120	6	20
trans-1,3-Dichloropropene	50.0	49.2		ug/L		98	80 - 120	24	30
1,1,1-Trichloroethane	50.0	43.8		ug/L		88	80 - 120	2	20
1,1,2-Trichloroethane	50.0	51.7		ug/L		103	80 - 120	18	20
Trichloroethene	50.0	47.2		ug/L		94	80 - 120	3	20
Trichlorofluoromethane	50.0	42.8		ug/L		86	60 - 141	1	20
1,2,3-Trichloropropane	50.0	45.3		ug/L		91	80 - 123	8	30
Vinyl acetate	100	103		ug/L		103	67 - 135	18	20
Vinyl chloride	50.0	43.5		ug/L		87	71 - 128	11	20
Xylenes, Total	100	97.2		ug/L		97	80 - 120	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121	X	80 - 120
Dibromofluoromethane (Surr)	89		80 - 122
1,2-Dichloroethane-d4 (Surr)	85		73 - 131
Toluene-d8 (Surr)	105		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620893/9

Matrix: Water

Analysis Batch: 620893

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			06/02/20 20:25	1
Acrylonitrile	10	U	20	10	ug/L			06/02/20 20:25	1
Benzene	0.43	U	1.0	0.43	ug/L			06/02/20 20:25	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/02/20 20:25	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/02/20 20:25	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/02/20 20:25	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/02/20 20:25	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/02/20 20:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/02/20 20:25	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/02/20 20:25	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/02/20 20:25	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/02/20 20:25	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/02/20 20:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/02/20 20:25	1
cis-1,2-Dichloroethene	1.12		1.0	0.41	ug/L			06/02/20 20:25	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/02/20 20:25	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/02/20 20:25	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/02/20 20:25	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/02/20 20:25	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/02/20 20:25	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/02/20 20:25	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/02/20 20:25	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/02/20 20:25	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/02/20 20:25	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/02/20 20:25	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/02/20 20:25	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/02/20 20:25	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/02/20 20:25	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/02/20 20:25	1
Iodomethane	5.0	U	10	5.0	ug/L			06/02/20 20:25	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/02/20 20:25	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/02/20 20:25	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/02/20 20:25	1
Styrene	0.27	U	1.0	0.27	ug/L			06/02/20 20:25	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 20:25	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/02/20 20:25	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/02/20 20:25	1
Toluene	0.48	U	1.0	0.48	ug/L			06/02/20 20:25	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/02/20 20:25	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/02/20 20:25	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/02/20 20:25	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/02/20 20:25	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/02/20 20:25	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/02/20 20:25	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/02/20 20:25	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/02/20 20:25	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/02/20 20:25	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/02/20 20:25	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620893/9

Matrix: Water

Analysis Batch: 620893

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/02/20 20:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120					06/02/20 20:25	1
Dibromofluoromethane (Surr)	104		80 - 122					06/02/20 20:25	1
1,2-Dichloroethane-d4 (Surr)	81		73 - 131					06/02/20 20:25	1
Toluene-d8 (Surr)	108		80 - 120					06/02/20 20:25	1

Lab Sample ID: LCS 680-620893/4

Matrix: Water

Analysis Batch: 620893

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	277		ug/L		111	70 - 135
Acrylonitrile	500	583		ug/L		117	80 - 123
Benzene	50.0	49.3		ug/L		99	80 - 120
Bromochloromethane	50.0	45.1		ug/L		90	80 - 120
Bromodichloromethane	50.0	50.2		ug/L		100	80 - 120
Bromoform	50.0	50.0		ug/L		100	74 - 126
Bromomethane	50.0	39.2		ug/L		78	62 - 130
2-Butanone (MEK)	250	277		ug/L		111	80 - 131
Carbon disulfide	50.0	42.3		ug/L		85	80 - 120
Carbon tetrachloride	50.0	41.1		ug/L		82	76 - 123
Chlorobenzene	50.0	47.8		ug/L		96	80 - 120
Chloroethane	50.0	42.9		ug/L		86	66 - 135
Chloroform	50.0	44.6		ug/L		89	80 - 120
Chloromethane	50.0	54.2		ug/L		108	69 - 131
cis-1,2-Dichloroethene	50.0	48.7		ug/L		97	80 - 120
cis-1,3-Dichloropropene	50.0	50.3		ug/L		101	80 - 120
Dibromochloromethane	50.0	47.6		ug/L		95	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	51.2		ug/L		102	71 - 134
1,2-Dibromoethane	50.0	54.0		ug/L		108	80 - 120
Dibromomethane	50.0	49.0		ug/L		98	80 - 120
1,2-Dichlorobenzene	50.0	54.2		ug/L		108	80 - 120
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	80 - 120
1,1-Dichloroethane	50.0	44.6		ug/L		89	80 - 120
1,2-Dichloroethane	50.0	42.1		ug/L		84	80 - 120
1,1-Dichloroethene	50.0	47.3		ug/L		95	76 - 120
1,2-Dichloropropane	50.0	54.1		ug/L		108	80 - 120
1,3-Dichloropropane	50.0	47.5		ug/L		95	80 - 120
Ethylbenzene	50.0	50.0		ug/L		100	80 - 120
2-Hexanone	250	268		ug/L		107	74 - 127
Iodomethane	50.0	40.8		ug/L		82	52 - 142
Methylene Chloride	50.0	50.8		ug/L		102	80 - 120
4-Methyl-2-pentanone (MIBK)	250	304		ug/L		122	76 - 124
Methyl tert-butyl ether	50.0	55.3		ug/L		111	80 - 120
Styrene	50.0	55.4		ug/L		111	80 - 120
1,1,1,2-Tetrachloroethane	50.0	48.5		ug/L		97	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620893/4

Matrix: Water

Analysis Batch: 620893

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	54.1		ug/L		108	80 - 120
Tetrachloroethylene	50.0	39.0	*	ug/L		78	80 - 121
Toluene	50.0	49.2		ug/L		98	80 - 113
trans-1,4-Dichloro-2-butene	50.0	53.3		ug/L		107	68 - 125
trans-1,2-Dichloroethene	50.0	47.8		ug/L		96	80 - 120
trans-1,3-Dichloropropene	50.0	47.1		ug/L		94	80 - 120
1,1,1-Trichloroethane	50.0	42.9		ug/L		86	80 - 120
1,1,2-Trichloroethane	50.0	47.5		ug/L		95	80 - 120
Trichloroethene	50.0	46.8		ug/L		94	80 - 120
Trichlorofluoromethane	50.0	39.6		ug/L		79	60 - 141
1,2,3-Trichloropropane	50.0	52.1		ug/L		104	80 - 123
Vinyl acetate	100	99.1		ug/L		99	67 - 135
Vinyl chloride	50.0	44.3		ug/L		89	71 - 128
Xylenes, Total	100	95.7		ug/L		96	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	125	X	80 - 120
Dibromofluoromethane (Surr)	93		80 - 122
1,2-Dichloroethane-d4 (Surr)	82		73 - 131
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 680-620893/1003

Matrix: Water

Analysis Batch: 620893

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	70 - 135	8	30
Acrylonitrile	500	437	*1	ug/L		87	80 - 123	29	20
Benzene	50.0	50.2		ug/L		100	80 - 120	2	20
Bromochloromethane	50.0	44.8		ug/L		90	80 - 120	1	20
Bromodichloromethane	50.0	47.3		ug/L		95	80 - 120	6	20
Bromoform	50.0	47.4		ug/L		95	74 - 126	5	20
Bromomethane	50.0	27.9	* *1	ug/L		56	62 - 130	34	20
2-Butanone (MEK)	250	240		ug/L		96	80 - 131	14	20
Carbon disulfide	50.0	44.2		ug/L		88	80 - 120	5	20
Carbon tetrachloride	50.0	40.0		ug/L		80	76 - 123	3	20
Chlorobenzene	50.0	47.5		ug/L		95	80 - 120	1	20
Chloroethane	50.0	39.3		ug/L		79	66 - 135	9	20
Chloroform	50.0	43.6		ug/L		87	80 - 120	2	20
Chloromethane	50.0	53.8		ug/L		108	69 - 131	1	30
cis-1,2-Dichloroethene	50.0	47.2		ug/L		94	80 - 120	3	20
cis-1,3-Dichloropropene	50.0	48.9		ug/L		98	80 - 120	3	20
Dibromochloromethane	50.0	46.6		ug/L		93	80 - 121	2	20
1,2-Dibromo-3-Chloropropane	50.0	50.5		ug/L		101	71 - 134	1	20
1,2-Dibromoethane	50.0	49.9		ug/L		100	80 - 120	8	20
Dibromomethane	50.0	46.0		ug/L		92	80 - 120	6	20
1,2-Dichlorobenzene	50.0	58.0		ug/L		116	80 - 120	7	20
1,4-Dichlorobenzene	50.0	52.4		ug/L		105	80 - 120	5	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620893/1003

Matrix: Water

Analysis Batch: 620893

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	36.1	* *1	ug/L		72	80 - 120	21	20
1,2-Dichloroethane	50.0	41.0		ug/L		82	80 - 120	3	50
1,1-Dichloroethene	50.0	46.8		ug/L		94	76 - 120	1	20
1,2-Dichloropropane	50.0	53.6		ug/L		107	80 - 120	1	20
1,3-Dichloropropane	50.0	50.1		ug/L		100	80 - 120	5	20
Ethylbenzene	50.0	50.5		ug/L		101	80 - 120	1	20
2-Hexanone	250	269		ug/L		108	74 - 127	1	20
Iodomethane	50.0	31.4		ug/L		63	52 - 142	26	30
Methylene Chloride	50.0	49.5		ug/L		99	80 - 120	3	20
4-Methyl-2-pentanone (MIBK)	250	272		ug/L		109	76 - 124	11	20
Methyl tert-butyl ether	50.0	50.9		ug/L		102	80 - 120	8	20
Styrene	50.0	54.6		ug/L		109	80 - 120	1	20
1,1,1,2-Tetrachloroethane	50.0	47.4		ug/L		95	80 - 121	2	20
1,1,2,2-Tetrachloroethane	50.0	52.8		ug/L		106	80 - 120	2	20
Tetrachloroethylene	50.0	42.1		ug/L		84	80 - 121	8	20
Toluene	50.0	49.5		ug/L		99	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	50.7		ug/L		101	68 - 125	5	30
trans-1,2-Dichloroethene	50.0	46.0		ug/L		92	80 - 120	4	20
trans-1,3-Dichloropropene	50.0	44.8		ug/L		90	80 - 120	5	30
1,1,1-Trichloroethane	50.0	43.4		ug/L		87	80 - 120	1	20
1,1,2-Trichloroethane	50.0	51.0		ug/L		102	80 - 120	7	20
Trichloroethene	50.0	44.1		ug/L		88	80 - 120	6	20
Trichlorofluoromethane	50.0	38.4		ug/L		77	60 - 141	3	20
1,2,3-Trichloropropane	50.0	49.5		ug/L		99	80 - 123	5	30
Vinyl acetate	100	75.2	*1	ug/L		75	67 - 135	27	20
Vinyl chloride	50.0	43.7		ug/L		87	71 - 128	1	20
Xylenes, Total	100	94.7		ug/L		95	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	X	80 - 120
Dibromofluoromethane (Surr)	90		80 - 122
1,2-Dichloroethane-d4 (Surr)	86		73 - 131
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: MB 680-620971/8

Matrix: Water

Analysis Batch: 620971

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			06/03/20 11:41	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 11:41	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 11:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/03/20 11:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/03/20 11:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 11:41	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/03/20 11:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 11:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 11:41	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620971/8

Matrix: Water

Analysis Batch: 620971

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			06/03/20 11:41	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 11:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 11:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 11:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 11:41	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/03/20 11:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/03/20 11:41	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 11:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 11:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 11:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/03/20 11:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 11:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 11:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 11:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 11:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 11:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/03/20 11:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 11:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/03/20 11:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/03/20 11:41	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 11:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 11:41	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 11:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 11:41	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 11:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 11:41	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/03/20 11:41	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 11:41	1
Toluene	0.48	U	1.0	0.48	ug/L			06/03/20 11:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 11:41	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 11:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 11:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 11:41	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 11:41	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/03/20 11:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 11:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 11:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 11:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 11:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 11:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		06/03/20 11:41	1
Dibromofluoromethane (Surr)	97		80 - 122		06/03/20 11:41	1
1,2-Dichloroethane-d4 (Surr)	80		73 - 131		06/03/20 11:41	1
Toluene-d8 (Surr)	110		80 - 120		06/03/20 11:41	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620971/1002

Matrix: Water

Analysis Batch: 620971

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	70 - 135
Acrylonitrile	500	590		ug/L		118	80 - 123
Benzene	50.0	59.3		ug/L		119	80 - 120
Bromochloromethane	50.0	51.5		ug/L		103	80 - 120
Bromodichloromethane	50.0	53.9		ug/L		108	80 - 120
Bromoform	50.0	45.6		ug/L		91	74 - 126
Bromomethane	50.0	62.5		ug/L		125	62 - 130
2-Butanone (MEK)	250	244		ug/L		98	80 - 131
Carbon disulfide	50.0	46.9		ug/L		94	80 - 120
Carbon tetrachloride	50.0	51.1		ug/L		102	76 - 123
Chlorobenzene	50.0	50.4		ug/L		101	80 - 120
Chloroethane	50.0	43.0		ug/L		86	66 - 135
Chloroform	50.0	52.5		ug/L		105	80 - 120
Chloromethane	50.0	51.2		ug/L		102	69 - 131
cis-1,2-Dichloroethene	50.0	57.2		ug/L		114	80 - 120
cis-1,3-Dichloropropene	50.0	56.5		ug/L		113	80 - 120
Dibromochloromethane	50.0	54.2		ug/L		108	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	42.8		ug/L		86	71 - 134
1,2-Dibromoethane	50.0	55.1		ug/L		110	80 - 120
Dibromomethane	50.0	47.9		ug/L		96	80 - 120
1,2-Dichlorobenzene	50.0	55.0		ug/L		110	80 - 120
1,4-Dichlorobenzene	50.0	45.6		ug/L		91	80 - 120
1,1-Dichloroethane	50.0	54.1		ug/L		108	80 - 120
1,2-Dichloroethane	50.0	46.1		ug/L		92	80 - 120
1,1-Dichloroethene	50.0	47.9		ug/L		96	76 - 120
1,2-Dichloropropane	50.0	60.4 *		ug/L		121	80 - 120
1,3-Dichloropropane	50.0	57.1		ug/L		114	80 - 120
Ethylbenzene	50.0	52.9		ug/L		106	80 - 120
2-Hexanone	250	270		ug/L		108	74 - 127
Iodomethane	50.0	51.4		ug/L		103	52 - 142
Methylene Chloride	50.0	58.9		ug/L		118	80 - 120
4-Methyl-2-pentanone (MIBK)	250	236		ug/L		94	76 - 124
Methyl tert-butyl ether	50.0	57.1		ug/L		114	80 - 120
Styrene	50.0	56.5		ug/L		113	80 - 120
1,1,1,2-Tetrachloroethane	50.0	48.8		ug/L		98	80 - 121
1,1,2,2-Tetrachloroethane	50.0	43.8		ug/L		88	80 - 120
Tetrachloroethylene	50.0	51.5		ug/L		103	80 - 121
Toluene	50.0	60.8 *		ug/L		122	80 - 113
trans-1,4-Dichloro-2-butene	50.0	43.9		ug/L		88	68 - 125
trans-1,2-Dichloroethene	50.0	56.8		ug/L		114	80 - 120
trans-1,3-Dichloropropene	50.0	45.1		ug/L		90	80 - 120
1,1,1-Trichloroethane	50.0	51.0		ug/L		102	80 - 120
1,1,2-Trichloroethane	50.0	49.8		ug/L		100	80 - 120
Trichloroethene	50.0	55.9		ug/L		112	80 - 120
Trichlorofluoromethane	50.0	46.9		ug/L		94	60 - 141
1,2,3-Trichloropropane	50.0	45.3		ug/L		91	80 - 123
Vinyl acetate	100	132		ug/L		132	67 - 135
Vinyl chloride	50.0	42.8		ug/L		86	71 - 128

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620971/1002

Matrix: Water

Analysis Batch: 620971

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	103		ug/L		103	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	110		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Toluene-d8 (Surr)	117		80 - 120

Lab Sample ID: LCSD 680-620971/5

Matrix: Water

Analysis Batch: 620971

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	274		ug/L		110	70 - 135	23	30
Acrylonitrile	500	551		ug/L		110	80 - 123	7	20
Benzene	50.0	52.9		ug/L		106	80 - 120	11	20
Bromochloromethane	50.0	45.6		ug/L		91	80 - 120	12	20
Bromodichloromethane	50.0	39.9	*1	ug/L		80	80 - 120	30	20
Bromoform	50.0	48.0		ug/L		96	74 - 126	5	20
Bromomethane	50.0	61.6		ug/L		123	62 - 130	2	20
2-Butanone (MEK)	250	226		ug/L		91	80 - 131	8	20
Carbon disulfide	50.0	52.0		ug/L		104	80 - 120	10	20
Carbon tetrachloride	50.0	45.4		ug/L		91	76 - 123	12	20
Chlorobenzene	50.0	50.7		ug/L		101	80 - 120	1	20
Chloroethane	50.0	39.9		ug/L		80	66 - 135	8	20
Chloroform	50.0	47.1		ug/L		94	80 - 120	11	20
Chloromethane	50.0	46.1		ug/L		92	69 - 131	10	30
cis-1,2-Dichloroethene	50.0	51.2		ug/L		102	80 - 120	11	20
cis-1,3-Dichloropropene	50.0	41.7	*1	ug/L		83	80 - 120	30	20
Dibromochloromethane	50.0	48.2		ug/L		96	80 - 121	12	20
1,2-Dibromo-3-Chloropropane	50.0	47.2		ug/L		94	71 - 134	10	20
1,2-Dibromoethane	50.0	55.3		ug/L		111	80 - 120	0	20
Dibromomethane	50.0	38.8	* *1	ug/L		78	80 - 120	21	20
1,2-Dichlorobenzene	50.0	54.2		ug/L		108	80 - 120	1	20
1,4-Dichlorobenzene	50.0	49.7		ug/L		99	80 - 120	9	20
1,1-Dichloroethane	50.0	48.3		ug/L		97	80 - 120	11	20
1,2-Dichloroethane	50.0	44.3		ug/L		89	80 - 120	4	50
1,1-Dichloroethene	50.0	48.4		ug/L		97	76 - 120	1	20
1,2-Dichloropropane	50.0	40.6	*1	ug/L		81	80 - 120	39	20
1,3-Dichloropropane	50.0	53.4		ug/L		107	80 - 120	7	20
Ethylbenzene	50.0	52.9		ug/L		106	80 - 120	0	20
2-Hexanone	250	271		ug/L		109	74 - 127	0	20
Iodomethane	50.0	57.0		ug/L		114	52 - 142	10	30
Methylene Chloride	50.0	55.8		ug/L		112	80 - 120	5	20
4-Methyl-2-pentanone (MIBK)	250	197		ug/L		79	76 - 124	18	20
Methyl tert-butyl ether	50.0	52.4		ug/L		105	80 - 120	8	20
Styrene	50.0	56.5		ug/L		113	80 - 120	0	20
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	80 - 121	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620971/5

Matrix: Water

Analysis Batch: 620971

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	80 - 120	16	20
Tetrachloroethylene	50.0	51.0		ug/L		102	80 - 121	1	20
Toluene	50.0	49.4	*1	ug/L		99	80 - 113	21	20
trans-1,4-Dichloro-2-butene	50.0	46.4		ug/L		93	68 - 125	5	30
trans-1,2-Dichloroethene	50.0	50.9		ug/L		102	80 - 120	11	20
trans-1,3-Dichloropropene	50.0	49.2		ug/L		98	80 - 120	9	30
1,1,1-Trichloroethane	50.0	41.1	*1	ug/L		82	80 - 120	22	20
1,1,2-Trichloroethane	50.0	53.2		ug/L		106	80 - 120	7	20
Trichloroethene	50.0	51.3		ug/L		103	80 - 120	9	20
Trichlorofluoromethane	50.0	42.3		ug/L		85	60 - 141	10	20
1,2,3-Trichloropropane	50.0	48.8		ug/L		98	80 - 123	7	30
Vinyl acetate	100	117		ug/L		117	67 - 135	13	20
Vinyl chloride	50.0	39.6		ug/L		79	71 - 128	8	20
Xylenes, Total	100	101		ug/L		101	80 - 120	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		80 - 120
Dibromofluoromethane (Surr)	87		80 - 122
1,2-Dichloroethane-d4 (Surr)	87		73 - 131
Toluene-d8 (Surr)	94		80 - 120

Lab Sample ID: MB 680-620985/8

Matrix: Water

Analysis Batch: 620985

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			06/03/20 09:38	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 09:38	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 09:38	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/03/20 09:38	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/03/20 09:38	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 09:38	1
Bromomethane	4.41	J	5.0	2.5	ug/L			06/03/20 09:38	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 09:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 09:38	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 09:38	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 09:38	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 09:38	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 09:38	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 09:38	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/03/20 09:38	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/03/20 09:38	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 09:38	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 09:38	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 09:38	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/03/20 09:38	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 09:38	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 09:38	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-620985/8

Matrix: Water

Analysis Batch: 620985

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			06/03/20 09:38	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 09:38	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 09:38	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/03/20 09:38	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 09:38	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/03/20 09:38	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/03/20 09:38	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 09:38	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 09:38	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 09:38	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 09:38	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 09:38	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 09:38	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/03/20 09:38	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 09:38	1
Toluene	0.48	U	1.0	0.48	ug/L			06/03/20 09:38	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 09:38	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 09:38	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 09:38	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 09:38	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 09:38	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/03/20 09:38	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 09:38	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 09:38	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 09:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 09:38	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 09:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		80 - 120		06/03/20 09:38	1
Dibromofluoromethane (Surr)	113		80 - 122		06/03/20 09:38	1
1,2-Dichloroethane-d4 (Surr)	105		73 - 131		06/03/20 09:38	1
Toluene-d8 (Surr)	110		80 - 120		06/03/20 09:38	1

Lab Sample ID: LCS 680-620985/4

Matrix: Water

Analysis Batch: 620985

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	240		ug/L		96	70 - 135
Acrylonitrile	500	438		ug/L		88	80 - 123
Benzene	50.0	49.7		ug/L		99	80 - 120
Bromochloromethane	50.0	55.5		ug/L		111	80 - 120
Bromodichloromethane	50.0	49.5		ug/L		99	80 - 120
Bromoform	50.0	52.4		ug/L		105	74 - 126
Bromomethane	50.0	175	*	ug/L		349	62 - 130
2-Butanone (MEK)	250	246		ug/L		98	80 - 131
Carbon disulfide	50.0	48.7		ug/L		97	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620985/4

Matrix: Water

Analysis Batch: 620985

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	52.8		ug/L		106	76 - 123
Chlorobenzene	50.0	54.8		ug/L		110	80 - 120
Chloroethane	50.0	48.4		ug/L		97	66 - 135
Chloroform	50.0	49.6		ug/L		99	80 - 120
Chloromethane	50.0	40.0		ug/L		80	69 - 131
cis-1,2-Dichloroethene	50.0	45.8		ug/L		92	80 - 120
cis-1,3-Dichloropropene	50.0	50.9		ug/L		102	80 - 120
Dibromochloromethane	50.0	55.1		ug/L		110	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	46.0		ug/L		92	71 - 134
1,2-Dibromoethane	50.0	50.4		ug/L		101	80 - 120
Dibromomethane	50.0	48.9		ug/L		98	80 - 120
1,2-Dichlorobenzene	50.0	53.2		ug/L		106	80 - 120
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	80 - 120
1,1-Dichloroethane	50.0	47.0		ug/L		94	80 - 120
1,2-Dichloroethane	50.0	49.4		ug/L		99	80 - 120
1,1-Dichloroethene	50.0	49.1		ug/L		98	76 - 120
1,2-Dichloropropane	50.0	47.0		ug/L		94	80 - 120
1,3-Dichloropropane	50.0	44.1		ug/L		88	80 - 120
Ethylbenzene	50.0	52.3		ug/L		105	80 - 120
2-Hexanone	250	186		ug/L		74	74 - 127
Iodomethane	50.0	52.6		ug/L		105	52 - 142
Methylene Chloride	50.0	44.9		ug/L		90	80 - 120
4-Methyl-2-pentanone (MIBK)	250	206		ug/L		82	76 - 124
Methyl tert-butyl ether	50.0	46.3		ug/L		93	80 - 120
Styrene	50.0	52.9		ug/L		106	80 - 120
1,1,1,2-Tetrachloroethane	50.0	57.6		ug/L		115	80 - 121
1,1,1,2,2-Tetrachloroethane	50.0	50.4		ug/L		101	80 - 120
Tetrachloroethylene	50.0	58.4		ug/L		117	80 - 121
Toluene	50.0	52.9		ug/L		106	80 - 113
trans-1,4-Dichloro-2-butene	50.0	44.8		ug/L		90	68 - 125
trans-1,2-Dichloroethene	50.0	49.3		ug/L		99	80 - 120
trans-1,3-Dichloropropene	50.0	53.9		ug/L		108	80 - 120
1,1,1-Trichloroethane	50.0	50.0		ug/L		100	80 - 120
1,1,2-Trichloroethane	50.0	51.7		ug/L		103	80 - 120
Trichloroethene	50.0	50.9		ug/L		102	80 - 120
Trichlorofluoromethane	50.0	48.0		ug/L		96	60 - 141
1,2,3-Trichloropropane	50.0	48.5		ug/L		97	80 - 123
Vinyl acetate	100	110		ug/L		110	67 - 135
Vinyl chloride	50.0	44.3		ug/L		89	71 - 128
Xylenes, Total	100	104		ug/L		104	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	105		80 - 122
1,2-Dichloroethane-d4 (Surr)	93		73 - 131
Toluene-d8 (Surr)	104		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620985/5

Matrix: Water

Analysis Batch: 620985

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	70 - 135	6	30
Acrylonitrile	500	418		ug/L		84	80 - 123	5	20
Benzene	50.0	50.4		ug/L		101	80 - 120	2	20
Bromochloromethane	50.0	54.8		ug/L		110	80 - 120	1	20
Bromodichloromethane	50.0	48.8		ug/L		98	80 - 120	1	20
Bromoform	50.0	52.0		ug/L		104	74 - 126	1	20
Bromomethane	50.0	188	*	ug/L		376	62 - 130	7	20
2-Butanone (MEK)	250	239		ug/L		96	80 - 131	3	20
Carbon disulfide	50.0	50.3		ug/L		101	80 - 120	3	20
Carbon tetrachloride	50.0	54.6		ug/L		109	76 - 123	3	20
Chlorobenzene	50.0	55.9		ug/L		112	80 - 120	2	20
Chloroethane	50.0	49.5		ug/L		99	66 - 135	2	20
Chloroform	50.0	50.0		ug/L		100	80 - 120	1	20
Chloromethane	50.0	41.2		ug/L		82	69 - 131	3	30
cis-1,2-Dichloroethene	50.0	45.7		ug/L		91	80 - 120	0	20
cis-1,3-Dichloropropene	50.0	50.6		ug/L		101	80 - 120	0	20
Dibromochloromethane	50.0	53.9		ug/L		108	80 - 121	2	20
1,2-Dibromo-3-Chloropropane	50.0	45.8		ug/L		92	71 - 134	0	20
1,2-Dibromoethane	50.0	49.8		ug/L		100	80 - 120	1	20
Dibromomethane	50.0	47.3		ug/L		95	80 - 120	3	20
1,2-Dichlorobenzene	50.0	53.7		ug/L		107	80 - 120	1	20
1,4-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120	2	20
1,1-Dichloroethane	50.0	47.1		ug/L		94	80 - 120	0	20
1,2-Dichloroethane	50.0	48.1		ug/L		96	80 - 120	3	50
1,1-Dichloroethene	50.0	51.0		ug/L		102	76 - 120	4	20
1,2-Dichloropropane	50.0	46.8		ug/L		94	80 - 120	1	20
1,3-Dichloropropane	50.0	43.4		ug/L		87	80 - 120	2	20
Ethylbenzene	50.0	53.8		ug/L		108	80 - 120	3	20
2-Hexanone	250	178	*	ug/L		71	74 - 127	4	20
Iodomethane	50.0	53.2		ug/L		106	52 - 142	1	30
Methylene Chloride	50.0	44.0		ug/L		88	80 - 120	2	20
4-Methyl-2-pentanone (MIBK)	250	200		ug/L		80	76 - 124	3	20
Methyl tert-butyl ether	50.0	45.2		ug/L		90	80 - 120	2	20
Styrene	50.0	53.2		ug/L		106	80 - 120	0	20
1,1,1,2-Tetrachloroethane	50.0	58.8		ug/L		118	80 - 121	2	20
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/L		97	80 - 120	4	20
Tetrachloroethylene	50.0	60.2		ug/L		120	80 - 121	3	20
Toluene	50.0	53.3		ug/L		107	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	45.0		ug/L		90	68 - 125	0	30
trans-1,2-Dichloroethene	50.0	49.8		ug/L		100	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	53.7		ug/L		107	80 - 120	0	30
1,1,1-Trichloroethane	50.0	50.8		ug/L		102	80 - 120	2	20
1,1,2-Trichloroethane	50.0	51.2		ug/L		102	80 - 120	1	20
Trichloroethene	50.0	52.6		ug/L		105	80 - 120	3	20
Trichlorofluoromethane	50.0	49.5		ug/L		99	60 - 141	3	20
1,2,3-Trichloropropane	50.0	47.8		ug/L		96	80 - 123	1	30
Vinyl acetate	100	104		ug/L		104	67 - 135	6	20
Vinyl chloride	50.0	46.1		ug/L		92	71 - 128	4	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-620985/5

Matrix: Water

Analysis Batch: 620985

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	105		ug/L		105	80 - 120	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	98		80 - 120						
Dibromofluoromethane (Surr)	104		80 - 122						
1,2-Dichloroethane-d4 (Surr)	92		73 - 131						
Toluene-d8 (Surr)	107		80 - 120						

Lab Sample ID: MB 680-621049/9

Matrix: Water

Analysis Batch: 621049

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			06/03/20 23:00	1
Acrylonitrile	10	U	20	10	ug/L			06/03/20 23:00	1
Benzene	0.43	U	1.0	0.43	ug/L			06/03/20 23:00	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/03/20 23:00	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/03/20 23:00	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/03/20 23:00	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/03/20 23:00	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/03/20 23:00	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/03/20 23:00	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/03/20 23:00	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/03/20 23:00	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/03/20 23:00	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/03/20 23:00	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/03/20 23:00	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/03/20 23:00	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/03/20 23:00	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/03/20 23:00	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/03/20 23:00	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/03/20 23:00	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/03/20 23:00	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/03/20 23:00	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/03/20 23:00	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/03/20 23:00	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/03/20 23:00	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/03/20 23:00	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/03/20 23:00	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/03/20 23:00	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/03/20 23:00	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/03/20 23:00	1
Iodomethane	5.0	U	10	5.0	ug/L			06/03/20 23:00	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/03/20 23:00	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/03/20 23:00	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/03/20 23:00	1
Styrene	0.27	U	1.0	0.27	ug/L			06/03/20 23:00	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 23:00	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-621049/9

Matrix: Water

Analysis Batch: 621049

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			06/03/20 23:00	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/03/20 23:00	1
Toluene	0.48	U	1.0	0.48	ug/L			06/03/20 23:00	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/03/20 23:00	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/03/20 23:00	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/03/20 23:00	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/03/20 23:00	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/03/20 23:00	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/03/20 23:00	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/03/20 23:00	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/03/20 23:00	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/03/20 23:00	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/03/20 23:00	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/03/20 23:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		06/03/20 23:00	1
Dibromofluoromethane (Surr)	105		80 - 122		06/03/20 23:00	1
1,2-Dichloroethane-d4 (Surr)	80		73 - 131		06/03/20 23:00	1
Toluene-d8 (Surr)	118		80 - 120		06/03/20 23:00	1

Lab Sample ID: LCS 680-621049/6

Matrix: Water

Analysis Batch: 621049

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	251		ug/L		100	70 - 135
Acrylonitrile	500	498		ug/L		100	80 - 123
Benzene	50.0	51.2		ug/L		102	80 - 120
Bromochloromethane	50.0	42.1		ug/L		84	80 - 120
Bromodichloromethane	50.0	48.7		ug/L		97	80 - 120
Bromoform	50.0	48.2		ug/L		96	74 - 126
Bromomethane	50.0	71.7	*	ug/L		143	62 - 130
2-Butanone (MEK)	250	204		ug/L		82	80 - 131
Carbon disulfide	50.0	48.3		ug/L		97	80 - 120
Carbon tetrachloride	50.0	44.3		ug/L		89	76 - 123
Chlorobenzene	50.0	50.2		ug/L		100	80 - 120
Chloroethane	50.0	46.5		ug/L		93	66 - 135
Chloroform	50.0	46.6		ug/L		93	80 - 120
Chloromethane	50.0	51.7		ug/L		103	69 - 131
cis-1,2-Dichloroethene	50.0	51.3		ug/L		103	80 - 120
cis-1,3-Dichloropropene	50.0	47.2		ug/L		94	80 - 120
Dibromochloromethane	50.0	52.2		ug/L		104	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	45.0		ug/L		90	71 - 134
1,2-Dibromoethane	50.0	56.7		ug/L		113	80 - 120
Dibromomethane	50.0	49.2		ug/L		98	80 - 120
1,2-Dichlorobenzene	50.0	54.4		ug/L		109	80 - 120
1,4-Dichlorobenzene	50.0	48.5		ug/L		97	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-621049/6

Matrix: Water

Analysis Batch: 621049

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	44.5		ug/L		89	80 - 120
1,2-Dichloroethane	50.0	42.0		ug/L		84	80 - 120
1,1-Dichloroethene	50.0	50.1		ug/L		100	76 - 120
1,2-Dichloropropane	50.0	51.9		ug/L		104	80 - 120
1,3-Dichloropropane	50.0	51.8		ug/L		104	80 - 120
Ethylbenzene	50.0	51.0		ug/L		102	80 - 120
2-Hexanone	250	243		ug/L		97	74 - 127
Iodomethane	50.0	58.4		ug/L		117	52 - 142
Methylene Chloride	50.0	57.1		ug/L		114	80 - 120
4-Methyl-2-pentanone (MIBK)	250	225		ug/L		90	76 - 124
Methyl tert-butyl ether	50.0	51.0		ug/L		102	80 - 120
Styrene	50.0	57.9		ug/L		116	80 - 120
1,1,1,2-Tetrachloroethane	50.0	46.8		ug/L		94	80 - 121
1,1,2,2-Tetrachloroethane	50.0	51.1		ug/L		102	80 - 120
Tetrachloroethylene	50.0	49.2		ug/L		98	80 - 121
Toluene	50.0	53.1		ug/L		106	80 - 113
trans-1,4-Dichloro-2-butene	50.0	42.3		ug/L		85	68 - 125
trans-1,2-Dichloroethene	50.0	50.8		ug/L		102	80 - 120
trans-1,3-Dichloropropene	50.0	46.1		ug/L		92	80 - 120
1,1,1-Trichloroethane	50.0	45.8		ug/L		92	80 - 120
1,1,2-Trichloroethane	50.0	52.4		ug/L		105	80 - 120
Trichloroethene	50.0	51.9		ug/L		104	80 - 120
Trichlorofluoromethane	50.0	47.3		ug/L		95	60 - 141
1,2,3-Trichloropropane	50.0	48.5		ug/L		97	80 - 123
Vinyl acetate	100	85.4		ug/L		85	67 - 135
Vinyl chloride	50.0	46.1		ug/L		92	71 - 128
Xylenes, Total	100	99.9		ug/L		100	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		80 - 120
Dibromofluoromethane (Surr)	103		80 - 122
1,2-Dichloroethane-d4 (Surr)	87		73 - 131
Toluene-d8 (Surr)	107		80 - 120

Lab Sample ID: LCSD 680-621049/1005

Matrix: Water

Analysis Batch: 621049

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	70 - 135	1	30
Acrylonitrile	500	495		ug/L		99	80 - 123	1	20
Benzene	50.0	50.9		ug/L		102	80 - 120	1	20
Bromochloromethane	50.0	41.7		ug/L		83	80 - 120	1	20
Bromodichloromethane	50.0	48.0		ug/L		96	80 - 120	1	20
Bromoform	50.0	52.5		ug/L		105	74 - 126	9	20
Bromomethane	50.0	67.0	*	ug/L		134	62 - 130	7	20
2-Butanone (MEK)	250	213		ug/L		85	80 - 131	4	20
Carbon disulfide	50.0	48.2		ug/L		96	80 - 120	0	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCSD 680-621049/1005

Matrix: Water

Analysis Batch: 621049

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride	50.0	45.8		ug/L		92	76 - 123	3	20
Chlorobenzene	50.0	52.5		ug/L		105	80 - 120	5	20
Chloroethane	50.0	45.3		ug/L		91	66 - 135	3	20
Chloroform	50.0	46.0		ug/L		92	80 - 120	1	20
Chloromethane	50.0	50.7		ug/L		101	69 - 131	2	30
cis-1,2-Dichloroethene	50.0	50.1		ug/L		100	80 - 120	2	20
cis-1,3-Dichloropropene	50.0	47.6		ug/L		95	80 - 120	1	20
Dibromochloromethane	50.0	50.2		ug/L		100	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	46.5		ug/L		93	71 - 134	3	20
1,2-Dibromoethane	50.0	52.7		ug/L		105	80 - 120	7	20
Dibromomethane	50.0	46.9		ug/L		94	80 - 120	5	20
1,2-Dichlorobenzene	50.0	53.1		ug/L		106	80 - 120	3	20
1,4-Dichlorobenzene	50.0	49.4		ug/L		99	80 - 120	2	20
1,1-Dichloroethane	50.0	43.9		ug/L		88	80 - 120	1	20
1,2-Dichloroethane	50.0	42.1		ug/L		84	80 - 120	0	50
1,1-Dichloroethene	50.0	51.0		ug/L		102	76 - 120	2	20
1,2-Dichloropropane	50.0	50.5		ug/L		101	80 - 120	3	20
1,3-Dichloropropane	50.0	50.7		ug/L		101	80 - 120	2	20
Ethylbenzene	50.0	53.3		ug/L		107	80 - 120	4	20
2-Hexanone	250	234		ug/L		94	74 - 127	4	20
Iodomethane	50.0	56.4		ug/L		113	52 - 142	4	30
Methylene Chloride	50.0	55.0		ug/L		110	80 - 120	4	20
4-Methyl-2-pentanone (MIBK)	250	221		ug/L		88	76 - 124	2	20
Methyl tert-butyl ether	50.0	48.3		ug/L		97	80 - 120	5	20
Styrene	50.0	60.3	*	ug/L		121	80 - 120	4	20
1,1,1,2-Tetrachloroethane	50.0	53.4		ug/L		107	80 - 121	13	20
1,1,2,2-Tetrachloroethane	50.0	51.2		ug/L		102	80 - 120	0	20
Tetrachloroethylene	50.0	50.3		ug/L		101	80 - 121	2	20
Toluene	50.0	53.4		ug/L		107	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	41.5		ug/L		83	68 - 125	2	30
trans-1,2-Dichloroethene	50.0	50.2		ug/L		100	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	44.2		ug/L		88	80 - 120	4	30
1,1,1-Trichloroethane	50.0	46.2		ug/L		92	80 - 120	1	20
1,1,2-Trichloroethane	50.0	51.1		ug/L		102	80 - 120	3	20
Trichloroethene	50.0	51.9		ug/L		104	80 - 120	0	20
Trichlorofluoromethane	50.0	46.8		ug/L		94	60 - 141	1	20
1,2,3-Trichloropropane	50.0	49.8		ug/L		100	80 - 123	3	30
Vinyl acetate	100	88.6		ug/L		89	67 - 135	4	20
Vinyl chloride	50.0	46.7		ug/L		93	71 - 128	1	20
Xylenes, Total	100	105		ug/L		105	80 - 120	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
4-Bromofluorobenzene (Surr)	108		80 - 120
Dibromofluoromethane (Surr)	98		80 - 122
1,2-Dichloroethane-d4 (Surr)	87		73 - 131
Toluene-d8 (Surr)	105		80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-620600/8

Matrix: Water

Analysis Batch: 620600

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			05/31/20 11:45	1
Ethane	0.55	U	1.1	0.55	ug/L			05/31/20 11:45	1
Ethene	0.50	U	1.0	0.50	ug/L			05/31/20 11:45	1
Methane (TCD)	39	U	390	39	ug/L			05/31/20 11:45	1

Lab Sample ID: LCS 680-620600/3

Matrix: Water

Analysis Batch: 620600

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	154	161		ug/L		104	75 - 125
Ethane	288	304		ug/L		106	75 - 125
Ethene	269	285		ug/L		106	75 - 125

Lab Sample ID: LCS 680-620600/6

Matrix: Water

Analysis Batch: 620600

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	1760		ug/L		91	75 - 125

Lab Sample ID: LCSD 680-620600/4

Matrix: Water

Analysis Batch: 620600

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	182		ug/L		118	75 - 125	13	30
Ethane	288	342		ug/L		119	75 - 125	12	30
Ethene	269	314		ug/L		116	75 - 125	10	30

Lab Sample ID: LCSD 680-620600/7

Matrix: Water

Analysis Batch: 620600

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	1850		ug/L		96	75 - 125	5	30

Lab Sample ID: MB 680-620646/9

Matrix: Water

Analysis Batch: 620646

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			06/01/20 12:10	1
Ethane	0.55	U	1.1	0.55	ug/L			06/01/20 12:10	1
Ethene	0.50	U	1.0	0.50	ug/L			06/01/20 12:10	1
Methane (TCD)	39	U	390	39	ug/L			06/01/20 12:10	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: LCS 680-620646/3

Matrix: Water

Analysis Batch: 620646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	154	152		ug/L		99	75 - 125
Ethane	288	289		ug/L		100	75 - 125
Ethene	269	266		ug/L		99	75 - 125

Lab Sample ID: LCS 680-620646/6

Matrix: Water

Analysis Batch: 620646

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	1920		ug/L		100	75 - 125

Lab Sample ID: LCSD 680-620646/4

Matrix: Water

Analysis Batch: 620646

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	145		ug/L		95	75 - 125	4	30
Ethane	288	276		ug/L		96	75 - 125	5	30
Ethene	269	260		ug/L		96	75 - 125	2	30

Lab Sample ID: LCSD 680-620646/7

Matrix: Water

Analysis Batch: 620646

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	1980		ug/L		103	75 - 125	3	30

Lab Sample ID: 680-184196-7 MS

Matrix: Water

Analysis Batch: 620646

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	20	F1	288	396	F1	ug/L		130	75 - 125
Ethene	47	F1	269	386	F1	ug/L		126	75 - 125

Lab Sample ID: 680-184196-7 MSD

Matrix: Water

Analysis Batch: 620646

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	20	F1	288	321		ug/L		104	75 - 125	21	30
Ethene	47	F1	269	323		ug/L		102	75 - 125	18	30

Lab Sample ID: MB 680-621012/8

Matrix: Water

Analysis Batch: 621012

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			06/03/20 11:38	1
Ethane	0.55	U	1.1	0.55	ug/L			06/03/20 11:38	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

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

Lab Sample ID: MB 680-621012/8

Matrix: Water

Analysis Batch: 621012

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethene	0.50	U	1.0	0.50	ug/L			06/03/20 11:38	1
Methane (TCD)	39	U	390	39	ug/L			06/03/20 11:38	1

Lab Sample ID: LCS 680-621012/3

Matrix: Water

Analysis Batch: 621012

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methane	154	151		ug/L		98	75 - 125
Ethane	288	286		ug/L		99	75 - 125
Ethene	269	261		ug/L		97	75 - 125

Lab Sample ID: LCS 680-621012/6

Matrix: Water

Analysis Batch: 621012

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	1930		ug/L		100	75 - 125

Lab Sample ID: LCSD 680-621012/4

Matrix: Water

Analysis Batch: 621012

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	2	30
Ethane	288	290		ug/L		100	75 - 125	1	30
Ethene	269	267		ug/L		99	75 - 125	2	30

Lab Sample ID: LCSD 680-621012/7

Matrix: Water

Analysis Batch: 621012

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

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-620388/2

Matrix: Water

Analysis Batch: 620388

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			05/29/20 01:49	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			05/29/20 01:49	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184196-1

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 680-620388/3

Matrix: Water

Analysis Batch: 620388

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	19.6		mg/L		98	80 - 120
Total Organic Carbon - Quad	20.0	19.6		mg/L		98	80 - 120
TOC Result 1	20.0	19.5		mg/L		97	80 - 120
TOC Result 2	20.0	19.7		mg/L		99	80 - 120
TOC Result 3	20.0	19.4		mg/L		97	80 - 120
TOC Result 4	20.0	19.8		mg/L		99	80 - 120

Lab Sample ID: LCSD 680-620388/4

Matrix: Water

Analysis Batch: 620388

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	19.5		mg/L		97	80 - 120	1	25
Total Organic Carbon - Quad	20.0	19.5		mg/L		97	80 - 120	1	25
TOC Result 1	20.0	19.4		mg/L		97	80 - 120	0	25
TOC Result 2	20.0	19.3		mg/L		97	80 - 120	2	25
TOC Result 3	20.0	19.4		mg/L		97	80 - 120	0	25
TOC Result 4	20.0	19.6		mg/L		98	80 - 120	1	25

Lab Sample ID: 680-184196-7 MS

Matrix: Water

Analysis Batch: 620388

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	16		20.0	35.4		mg/L		99	80 - 120
Total Organic Carbon - Quad	16		20.0	35.4		mg/L		99	80 - 120
TOC Result 1	16		20.0	35.9		mg/L		102	80 - 120
TOC Result 2	16		20.0	34.8		mg/L		96	80 - 120
TOC Result 3	16		20.0	35.5		mg/L		99	80 - 120
TOC Result 4	16		20.0	35.5		mg/L		98	80 - 120

Lab Sample ID: 680-184196-7 MSD

Matrix: Water

Analysis Batch: 620388

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	16		20.0	35.3		mg/L		98	80 - 120	0	25
Total Organic Carbon - Quad	16		20.0	35.3		mg/L		98	80 - 120	0	25
TOC Result 1	16		20.0	34.8		mg/L		96	80 - 120	3	25
TOC Result 2	16		20.0	35.2		mg/L		97	80 - 120	1	25
TOC Result 3	16		20.0	35.6		mg/L		99	80 - 120	0	25
TOC Result 4	16		20.0	35.5		mg/L		99	80 - 120	0	25

QC Association Summary

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

Job ID: 680-184196-1

GC/MS VOA

Analysis Batch: 620584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-13	OLF-G75 Screen 1	Total/NA	Water	8260B	
680-184196-14	OLF-G75 Screen 2	Total/NA	Water	8260B	
680-184196-15	OLF-G75 Screen 3	Total/NA	Water	8260B	
680-184196-16	OLF-G75 Screen 4	Total/NA	Water	8260B	
680-184196-17	OLF-G75 Screen 5	Total/NA	Water	8260B	
680-184196-18	OLF-G75 Screen 6	Total/NA	Water	8260B	
680-184196-31	OLF-G73 Port 1	Total/NA	Water	8260B	
680-184196-32	OLF-G73 Port 2	Total/NA	Water	8260B	
680-184196-33	OLF-G73 Port 3	Total/NA	Water	8260B	
680-184196-34	OLF-G73 Port 4	Total/NA	Water	8260B	
680-184196-35	OLF-G73 Port 5	Total/NA	Water	8260B	
680-184196-36	OLF-G74 Port 1	Total/NA	Water	8260B	
680-184196-37	OLF-G74 Port 2	Total/NA	Water	8260B	
680-184196-38	OLF-G74 Port 3	Total/NA	Water	8260B	
680-184196-39	OLF-G74 Port 4	Total/NA	Water	8260B	
680-184196-40	OLF-G74 Port 5	Total/NA	Water	8260B	
680-184196-43	DUP350	Total/NA	Water	8260B	
MB 680-620584/10	Method Blank	Total/NA	Water	8260B	
LCS 680-620584/31	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-620584/32	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 620687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-4	OLF-G70	Total/NA	Water	8260B	
MB 680-620687/8	Method Blank	Total/NA	Water	8260B	
LCS 680-620687/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-620687/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 620693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-24	DUP349	Total/NA	Water	8260B	
680-184196-26	OLF-G71 Port 1	Total/NA	Water	8260B	
680-184196-27	OLF-G71 Port 2	Total/NA	Water	8260B	
680-184196-28	OLF-G71 Port 3	Total/NA	Water	8260B	
680-184196-29	OLF-G71 Port 4	Total/NA	Water	8260B	
680-184196-30	OLF-G71 Port 5	Total/NA	Water	8260B	
680-184196-41	OLF-G52	Total/NA	Water	8260B	
MB 680-620693/10	Method Blank	Total/NA	Water	8260B	
LCS 680-620693/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-620693/6	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 620699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-1	OLF-G31	Total/NA	Water	8260B	
680-184196-7	OLF-G72 Port 1	Total/NA	Water	8260B	
680-184196-8	OLF-G72 Port 2	Total/NA	Water	8260B	
680-184196-9	OLF-G72 Port 3	Total/NA	Water	8260B	
680-184196-10	OLF-G72 Port 4	Total/NA	Water	8260B	
680-184196-11	OLF-G72 Port 5	Total/NA	Water	8260B	
680-184196-12	OLF-G72 Port 6	Total/NA	Water	8260B	
680-184196-22	DUP348	Total/NA	Water	8260B	

Eurofins TestAmerica, Savannah

QC Association Summary

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

Job ID: 680-184196-1

GC/MS VOA (Continued)

Analysis Batch: 620699 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-620699/9	Method Blank	Total/NA	Water	8260B	
LCS 680-620699/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-620699/5	Lab Control Sample Dup	Total/NA	Water	8260B	
680-184196-7 MS	OLF-G72 Port 1	Total/NA	Water	8260B	
680-184196-7 MSD	OLF-G72 Port 1	Total/NA	Water	8260B	

Analysis Batch: 620797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-2	OLF-G32	Total/NA	Water	8260B	
MB 680-620797/8	Method Blank	Total/NA	Water	8260B	
LCSD 680-620797/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 620893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-5 - RA	OLF-G26	Total/NA	Water	8260B	
MB 680-620893/9	Method Blank	Total/NA	Water	8260B	
LCS 680-620893/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-620893/1003	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 620971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-3	OLF-G43	Total/NA	Water	8260B	
680-184196-5	OLF-G26	Total/NA	Water	8260B	
680-184196-6	OLF-G50	Total/NA	Water	8260B	
MB 680-620971/8	Method Blank	Total/NA	Water	8260B	
LCS 680-620971/1002	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-620971/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 620985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-19	OLF-G51	Total/NA	Water	8260B	
680-184196-20	OLF-G49	Total/NA	Water	8260B	
680-184196-21	PPMP-229-GP12	Total/NA	Water	8260B	
680-184196-23	DUP347	Total/NA	Water	8260B	
MB 680-620985/8	Method Blank	Total/NA	Water	8260B	
LCS 680-620985/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-620985/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 621049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-25	TB555	Total/NA	Water	8260B	
680-184196-42	TB554	Total/NA	Water	8260B	
MB 680-621049/9	Method Blank	Total/NA	Water	8260B	
LCS 680-621049/6	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-621049/1005	Lab Control Sample Dup	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 620600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-31	OLF-G73 Port 1	Total/NA	Water	RSK-175	

Eurofins TestAmerica, Savannah

QC Association Summary

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

Job ID: 680-184196-1

GC VOA (Continued)

Analysis Batch: 620600 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-32	OLF-G73 Port 2	Total/NA	Water	RSK-175	
680-184196-33	OLF-G73 Port 3	Total/NA	Water	RSK-175	
680-184196-34	OLF-G73 Port 4	Total/NA	Water	RSK-175	
680-184196-35	OLF-G73 Port 5	Total/NA	Water	RSK-175	
680-184196-43	DUP350	Total/NA	Water	RSK-175	
MB 680-620600/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-620600/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-620600/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-620600/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-620600/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

Analysis Batch: 620646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-7	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-184196-8	OLF-G72 Port 2	Total/NA	Water	RSK-175	
680-184196-9	OLF-G72 Port 3	Total/NA	Water	RSK-175	
680-184196-10	OLF-G72 Port 4	Total/NA	Water	RSK-175	
680-184196-11	OLF-G72 Port 5	Total/NA	Water	RSK-175	
680-184196-24	DUP349	Total/NA	Water	RSK-175	
MB 680-620646/9	Method Blank	Total/NA	Water	RSK-175	
LCS 680-620646/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-620646/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-620646/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-620646/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	
680-184196-7 MS	OLF-G72 Port 1	Total/NA	Water	RSK-175	
680-184196-7 MSD	OLF-G72 Port 1	Total/NA	Water	RSK-175	

Analysis Batch: 621012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-12	OLF-G72 Port 6	Total/NA	Water	RSK-175	
MB 680-621012/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-621012/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-621012/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-621012/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-621012/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 620388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-7	OLF-G72 Port 1	Total/NA	Water	9060A	
680-184196-8	OLF-G72 Port 2	Total/NA	Water	9060A	
680-184196-9	OLF-G72 Port 3	Total/NA	Water	9060A	
680-184196-10	OLF-G72 Port 4	Total/NA	Water	9060A	
680-184196-11	OLF-G72 Port 5	Total/NA	Water	9060A	
680-184196-12	OLF-G72 Port 6	Total/NA	Water	9060A	
680-184196-24	DUP349	Total/NA	Water	9060A	
680-184196-31	OLF-G73 Port 1	Total/NA	Water	9060A	
680-184196-32	OLF-G73 Port 2	Total/NA	Water	9060A	
680-184196-33	OLF-G73 Port 3	Total/NA	Water	9060A	
680-184196-34	OLF-G73 Port 4	Total/NA	Water	9060A	

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QC Association Summary

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

Job ID: 680-184196-1

General Chemistry (Continued)

Analysis Batch: 620388 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184196-35	OLF-G73 Port 5	Total/NA	Water	9060A	
680-184196-36	OLF-G74 Port 1	Total/NA	Water	9060A	
680-184196-37	OLF-G74 Port 2	Total/NA	Water	9060A	
680-184196-38	OLF-G74 Port 3	Total/NA	Water	9060A	
680-184196-39	OLF-G74 Port 4	Total/NA	Water	9060A	
680-184196-40	OLF-G74 Port 5	Total/NA	Water	9060A	
680-184196-43	DUP350	Total/NA	Water	9060A	
MB 680-620388/2	Method Blank	Total/NA	Water	9060A	
LCS 680-620388/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-620388/4	Lab Control Sample Dup	Total/NA	Water	9060A	
680-184196-7 MS	OLF-G72 Port 1	Total/NA	Water	9060A	
680-184196-7 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: 680-184196-1

Client Sample ID: OLF-G31

Date Collected: 05/19/20 12:10

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-1

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	620699	06/01/20 20:46	SMP	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G32

Date Collected: 05/19/20 10:30

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-2

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	620797	06/02/20 16:56	P1C	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G43

Date Collected: 05/20/20 10:25

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-3

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	620971	06/03/20 17:57	P1C	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G70

Date Collected: 05/19/20 14:25

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-4

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	620687	06/02/20 04:02	SMP	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G26

Date Collected: 05/20/20 13:30

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-5

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	RA	1	5 mL	5 mL	620893	06/03/20 03:50	P1C	TAL SAV
Instrument ID: CMSA2										
Total/NA	Analysis	8260B		1	5 mL	5 mL	620971	06/03/20 18:20	P1C	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G50

Date Collected: 05/20/20 11:51

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-6

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	620971	06/03/20 18:44	P1C	TAL SAV
Instrument ID: CMSA2										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-184196-1

Client Sample ID: OLF-G72 Port 1

Lab Sample ID: 680-184196-7

Date Collected: 05/19/20 14:30

Matrix: Water

Date Received: 05/22/20 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	620699	06/02/20 03:22	SMP	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620646	06/01/20 17:37	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 02:37	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 2

Lab Sample ID: 680-184196-8

Date Collected: 05/19/20 15:10

Matrix: Water

Date Received: 05/22/20 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	620699	06/01/20 21:09	SMP	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620646	06/01/20 16:20	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 03:26	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 3

Lab Sample ID: 680-184196-9

Date Collected: 05/19/20 15:30

Matrix: Water

Date Received: 05/22/20 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	620699	06/01/20 21:32	SMP	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620646	06/01/20 16:32	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 03:44	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 4

Lab Sample ID: 680-184196-10

Date Collected: 05/19/20 15:55

Matrix: Water

Date Received: 05/22/20 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	620699	06/01/20 21:56	SMP	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620646	06/01/20 16:45	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 04:00	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: 680-184196-1

Client Sample ID: OLF-G72 Port 5

Lab Sample ID: 680-184196-11

Date Collected: 05/19/20 16:20

Matrix: Water

Date Received: 05/22/20 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	620699	06/01/20 22:19	SMP	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620646	06/01/20 16:58	JCK	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 04:18	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G72 Port 6

Lab Sample ID: 680-184196-12

Date Collected: 05/19/20 16:40

Matrix: Water

Date Received: 05/22/20 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	620699	06/01/20 22:42	SMP	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	621012	06/03/20 11:51	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 04:36	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G75 Screen 1

Lab Sample ID: 680-184196-13

Date Collected: 05/18/20 16:55

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 13:01	P1C	TAL SAV
		Instrument ID: CMSA2								

Client Sample ID: OLF-G75 Screen 2

Lab Sample ID: 680-184196-14

Date Collected: 05/18/20 15:35

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 13:25	P1C	TAL SAV
		Instrument ID: CMSA2								

Client Sample ID: OLF-G75 Screen 3

Lab Sample ID: 680-184196-15

Date Collected: 05/18/20 14:25

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 13:48	P1C	TAL SAV
		Instrument ID: CMSA2								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-184196-1

Client Sample ID: OLF-G75 Screen 4

Lab Sample ID: 680-184196-16

Date Collected: 05/18/20 13:10

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 14:12	P1C	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G75 Screen 5

Lab Sample ID: 680-184196-17

Date Collected: 05/18/20 12:00

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 14:35	P1C	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G75 Screen 6

Lab Sample ID: 680-184196-18

Date Collected: 05/18/20 10:10

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 14:59	P1C	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G51

Lab Sample ID: 680-184196-19

Date Collected: 05/20/20 15:11

Matrix: Water

Date Received: 05/22/20 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	620985	06/03/20 11:11	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G49

Lab Sample ID: 680-184196-20

Date Collected: 05/20/20 09:41

Matrix: Water

Date Received: 05/22/20 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	620985	06/03/20 11:35	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: PPMP-229-GP12

Lab Sample ID: 680-184196-21

Date Collected: 05/20/20 16:15

Matrix: Water

Date Received: 05/22/20 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	620985	06/03/20 11:58	Y1S	TAL SAV
Instrument ID: CMSP2										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-184196-1

Client Sample ID: DUP348

Lab Sample ID: 680-184196-22

Date Collected: 05/19/20 00:00

Matrix: Water

Date Received: 05/22/20 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	620699	06/01/20 23:05	SMP	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: DUP347

Lab Sample ID: 680-184196-23

Date Collected: 05/20/20 00:00

Matrix: Water

Date Received: 05/22/20 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	620985	06/03/20 12:21	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: DUP349

Lab Sample ID: 680-184196-24

Date Collected: 05/19/20 00:00

Matrix: Water

Date Received: 05/22/20 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	620693	06/02/20 02:07	SMP	TAL SAV
Instrument ID: CMSC										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620646	06/01/20 17:24	JCK	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 04:51	RKJ	TAL SAV
Instrument ID: TOC7										

Client Sample ID: TB555

Lab Sample ID: 680-184196-25

Date Collected: 05/21/20 14:20

Matrix: Water

Date Received: 05/22/20 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	621049	06/04/20 06:25	P1C	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: OLF-G71 Port 1

Lab Sample ID: 680-184196-26

Date Collected: 05/19/20 10:00

Matrix: Water

Date Received: 05/22/20 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	620693	06/02/20 02:30	SMP	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G71 Port 2

Lab Sample ID: 680-184196-27

Date Collected: 05/19/20 10:30

Matrix: Water

Date Received: 05/22/20 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	620693	06/02/20 02:54	SMP	TAL SAV
Instrument ID: CMSC										

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-184196-1

Client Sample ID: OLF-G71 Port 3

Lab Sample ID: 680-184196-28

Date Collected: 05/19/20 10:50

Matrix: Water

Date Received: 05/22/20 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	620693	06/02/20 03:17	SMP	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G71 Port 4

Lab Sample ID: 680-184196-29

Date Collected: 05/19/20 11:15

Matrix: Water

Date Received: 05/22/20 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	620693	06/02/20 03:40	SMP	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G71 Port 5

Lab Sample ID: 680-184196-30

Date Collected: 05/19/20 11:40

Matrix: Water

Date Received: 05/22/20 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	620693	06/02/20 04:04	SMP	TAL SAV
Instrument ID: CMSC										

Client Sample ID: OLF-G73 Port 1

Lab Sample ID: 680-184196-31

Date Collected: 05/18/20 10:33

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 15:22	P1C	TAL SAV
Instrument ID: CMSA2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620600	05/31/20 11:58	DBM	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 05:10	RKJ	TAL SAV
Instrument ID: TOC7										

Client Sample ID: OLF-G73 Port 2

Lab Sample ID: 680-184196-32

Date Collected: 05/18/20 11:00

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 15:46	P1C	TAL SAV
Instrument ID: CMSA2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620600	05/31/20 12:11	DBM	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 05:59	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: 680-184196-1

Client Sample ID: OLF-G73 Port 3

Lab Sample ID: 680-184196-33

Date Collected: 05/18/20 11:25

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 16:09	P1C	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620600	05/31/20 12:24	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 06:19	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 Port 4

Lab Sample ID: 680-184196-34

Date Collected: 05/18/20 11:45

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 16:32	P1C	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620600	05/31/20 12:37	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 06:36	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G73 Port 5

Lab Sample ID: 680-184196-35

Date Collected: 05/18/20 12:00

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 16:56	P1C	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620600	05/31/20 12:50	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 06:53	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 1

Lab Sample ID: 680-184196-36

Date Collected: 05/18/20 14:25

Matrix: Water

Date Received: 05/22/20 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	620584	05/31/20 17:20	P1C	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 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: 680-184196-1

Client Sample ID: OLF-G74 Port 2

Date Collected: 05/18/20 14:50

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-37

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	620584	05/31/20 17:43	P1C	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 07:28	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 3

Date Collected: 05/18/20 15:30

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-38

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	620584	05/31/20 18:07	P1C	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 07:45	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 4

Date Collected: 05/18/20 15:50

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-39

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	620584	05/31/20 18:30	P1C	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 08:03	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G74 Port 5

Date Collected: 05/18/20 16:15

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-40

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	620584	05/31/20 18:54	P1C	TAL SAV
		Instrument ID: CMSA2								
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 08:20	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: OLF-G52

Date Collected: 05/19/20 16:55

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-41

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	620693	06/02/20 04:27	SMP	TAL SAV
		Instrument ID: CMSC								

Eurofins TestAmerica, Savannah

Lab Chronicle

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

Job ID: 680-184196-1

Client Sample ID: TB554

Date Collected: 05/21/20 14:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-42

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	621049	06/04/20 06:49	P1C	TAL SAV
Instrument ID: CMSA2										

Client Sample ID: DUP350

Date Collected: 05/18/20 00:00

Date Received: 05/22/20 09:30

Lab Sample ID: 680-184196-43

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	620584	05/31/20 19:17	P1C	TAL SAV
Instrument ID: CMSA2										
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	620600	05/31/20 13:03	DBM	TAL SAV
Instrument ID: CVGU										
Total/NA	Analysis	9060A		1	40 mL	40 mL	620388	05/29/20 08:37	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: 680-184196-1

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

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: 680-184196-1

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:

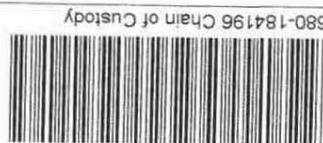
TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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 # 19.094.20-05.2.500
 Lab contract:

Cooler ID 6069 Cooler 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,F	SW9060A - TOC	SW8260B - VOC TB
OL-F-G31	NS	MW	Water	BP		5/19/2020	12:10	X		3 - 40 mL amber vials, H2SO4	2 - 40 mL vials, HCl
OL-F-G32	NS	MW	Water	BP		5/19/2020	10:30	X			
OL-F-G43	NS	MW	Water	BP		5/20/2020	10:25	X			
OL-F-G70	NS	MW	Water	BP		5/19/2020	14:25	X			
OL-F-G26	NS	MW	Water	BP		5/20/2020	13:30	X			
OL-F-G50	NS	MW	Water	BP		5/20/2020	11:51	X			
OL-F-G72 Port 1	NS	MW	Water	Grab	X	5/19/2020	14:30	X	X		
OL-F-G72 Port 2	NS	MW	Water	Grab		5/19/2020	15:10	X	X	* only 2 bottles	
OL-F-G72 Port 3	NS	MW	Water	Grab		5/19/2020	15:30	X	X	X	
OL-F-G72 Port 4	NS	MW	Water	Grab		5/19/2020	15:55	X	X	X	
OL-F-G72 Port 5	NS	MW	Water	Grab		5/19/2020	16:20	X	X	X	
OL-F-G72 Port 6	NS	MW	Water	Grab		5/19/2020	16:40	X	X	X	
OL-F-G75 Screen 1	NS	MW	Water	BP		5/18/2020	16:55	X			
OL-F-G75 Screen 2	NS	MW	Water	BP		5/18/2020	15:35	X			
OL-F-G75 Screen 3	NS	MW	Water	BP		5/18/2020	14:25	X			
OL-F-G75 Screen 4	NS	MW	Water	BP		5/18/2020	13:10	X			
OL-F-G75 Screen 5	NS	MW	Water	BP		5/18/2020	12:00	X			
OL-F-G75 Screen 6	NS	MW	Water	BP		5/18/2020	10:10	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 = peristaltic pump, PP = peristaltic pump, SU = submersible pump
 White Copy = Lab COC, Yellow COC = Field Copy, Pink COC = Data Mgmt
 See Task Order 093 for required list of VOCs and metals.

Double the number of bottles for MS/MSD

COMMENTS:

Relinquished by (Signature):

Date/Time:

Received by (Signature):

Date/Time:

5/21/20 16:00

fedEx

Relinquished by (Signature):

Date/Time:

Received by (Signature):

Date/Time:

5/22/2020 0930

4.1/4.5 3.5/3.9

* OLF-G72 Port 2 - 1 of the TOC bottles broke upon packaging

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 # 19.094.20-05.2.500
 Lab contract: _____

Cooler ID 6064 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
								3-40 ml vials, HCl	3-40 ml vials, HCl	3-40 ml amber vials, H2SO4	2-40 ml vials, HCl
OLF-G71 Port 1	NS	MW	Water	Grab		5/19/2020	10:00	X			
OLF-G71 Port 2	NS	MW	Water	Grab		5/19/2020	10:30	X			
OLF-G71 Port 3	NS	MW	Water	Grab		5/19/2020	10:50	X			
OLF-G71 Port 4	NS	MW	Water	Grab		5/19/2020	11:15	X			
OLF-G71 Port 5	NS	MW	Water	Grab		5/19/2020	11:40	X			
OLF-G73 Port 1	NS	MW	Water	Grab		5/18/2020	10:33	X	X		
OLF-G73 Port 2	NS	MW	Water	Grab		5/18/2020	11:00	X	X		
OLF-G73 Port 3	NS	MW	Water	Grab		5/18/2020	11:25	X	X		
OLF-G73 Port 4	NS	MW	Water	Grab		5/18/2020	11:45	X	X		
OLF-G73 Port 5	NS	MW	Water	Grab		5/18/2020	12:00	X	X		
OLF-G74 Port 1	NS	MW	Water	Grab		5/18/2020	14:25	X			
OLF-G74 Port 2	NS	MW	Water	Grab		5/18/2020	14:50	X			
OLF-G74 Port 3	NS	MW	Water	Grab		5/18/2020	15:30	X			
OLF-G74 Port 4	NS	MW	Water	Grab		5/18/2020	15:50	X			
OLF-G74 Port 5	NS	MW	Water	Grab		5/18/2020	16:15	X			
OLF-G52	NS	MW	Water	BP		5/19/2020	16:55	X			
TB554	TB	TB	Water	Grab		5/21/2020	14:00				X
DUP350	FD	FD	Water	Grab		5/18/2020	N/A	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.

Relinquished by (Signature): _____

Date/Time: 5/21/20 16:00

Received by (Signature): FedEx

Double the number of bottles for MS/MSD

Relinquished by (Signature): _____

Date/Time: _____

Received by (Signature): Pawolf

Received by (Signature): S-22-2020 0930

4.1/1.5 3.5/3.9

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-184196-1

Login Number: 184196

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Laughlin, Paul D

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

ANALYTICAL REPORT

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

Laboratory Job ID: 680-184447-1

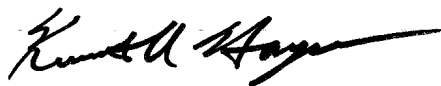
Laboratory Sample Delivery Group: 19.094.20-05.2.500

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:
6/15/2020 3:52:03 PM

Ken Hayes, Project Manager II
(615)301-5035

ken.hayes@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC and 2009 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: 680-184447-1
SDG: 19.094.20-05.2.500

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD RPD exceeds control limits.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
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
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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Sample Summary

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
680-184447-1	OLF-G47	Water	05/26/20 12:11	05/30/20 10:00	
680-184447-2	OLF-G36	Water	05/27/20 10:51	05/30/20 10:00	
680-184447-3	OLF-G21	Water	05/27/20 13:16	05/30/20 10:00	
680-184447-4	OLF-G35	Water	05/26/20 15:06	05/30/20 10:00	
680-184447-5	OLF-G18	Water	05/27/20 11:55	05/30/20 10:00	
680-184447-6	OLF-G19	Water	05/27/20 15:00	05/30/20 10:00	
680-184447-7	OLF-G22	Water	05/27/20 10:10	05/30/20 10:00	
680-184447-8	OLF-G48	Water	05/26/20 10:06	05/30/20 10:00	
680-184447-9	OLF-G24	Water	05/26/20 10:10	05/30/20 10:00	
680-184447-10	DUP346	Water	05/26/20 00:00	05/30/20 10:00	
680-184447-11	OLF-G07	Water	05/28/20 11:21	05/30/20 10:00	
680-184447-12	OLF-G78	Water	05/28/20 10:01	05/30/20 10:00	
680-184447-13	OLF-G77	Water	05/28/20 08:26	05/30/20 10:00	
680-184447-14	TB556	Water	05/28/20 15:30	05/30/20 10:00	
680-184447-15	OLF-G20	Water	05/28/20 13:35	05/30/20 10:00	
680-184447-16	OLF-G42	Water	05/28/20 11:45	05/30/20 10:00	
680-184447-17	OLF-G23	Water	05/28/20 15:25	05/30/20 10:00	
680-184447-18	OLF-G12	Water	05/29/20 12:01	05/30/20 10:00	
680-184447-19	EB134	Water	05/29/20 15:20	05/30/20 10:00	
680-184447-20	MB104	Water	05/29/20 15:30	05/30/20 10:00	

Case Narrative

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Job ID: 680-184447-1

Laboratory: Eurofins TestAmerica, Savannah

Narrative

CASE NARRATIVE

Client: Matrix Environmental Services, LLC

Project: Parcel 80(6), Landfill 3

Report Number: 680-184447-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 05/30/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.2 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples OLF-G47 (680-184447-1), OLF-G36 (680-184447-2), OLF-G21 (680-184447-3), OLF-G35 (680-184447-4), OLF-G18 (680-184447-5), OLF-G19 (680-184447-6), OLF-G22 (680-184447-7), OLF-G48 (680-184447-8), OLF-G24 (680-184447-9), DUP346 (680-184447-10), OLF-G07 (680-184447-11), OLF-G78 (680-184447-12), OLF-G77 (680-184447-13), TB556 (680-184447-14), OLF-G20 (680-184447-15), OLF-G42 (680-184447-16), OLF-G23 (680-184447-17), OLF-G12 (680-184447-18), EB134 (680-184447-19) and MB104 (680-184447-20) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 06/06/2020, 06/07/2020, 06/09/2020 and 06/11/2020.

Bromomethane was detected in method blank MB 680-621520/8 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Acetone was detected in method blank MB 680-622063/8 at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Bromomethane was detected in method blank MB 680-622063/8 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria high for OLF-G07MSD (680-184447-11MSD). Refer to the QC report for details.

Bromomethane and Chloroethane failed the recovery criteria high for LCS 680-621514/3. Bromomethane failed the recovery criteria high for LCS 680-621520/3. Bromomethane and Chloroethane failed the recovery criteria high for LCS 680-621746/3. Bromomethane and Chloroethane failed the recovery criteria high for LCS 680-621992/4. Bromomethane and Chloroethane failed the recovery criteria high for LCS 680-622063/3. Bromomethane and Tetrachloroethylene failed the recovery criteria high for LCS 680-622071/3. Bromomethane failed the recovery criteria high for LCS 680-622267/3. Bromomethane and Chloroethane failed the recovery criteria high for LCSD 680-621514/4. Bromomethane failed the recovery criteria high for LCSD 680-621520/4. Bromomethane and Chloroethane failed the recovery criteria high for LCSD 680-621746/4. Bromomethane and Chloroethane failed the recovery criteria high for LCSD 680-621992/5. Bromomethane and Chloroethane failed the recovery criteria high for LCSD 680-622063/4. Bromomethane exceeded the RPD limit. Bromomethane failed the recovery criteria high for LCSD 680-622071/5. Bromomethane failed the recovery criteria high for LCSD 680-622267/4. Refer to the QC report for details.

1,1,2,2-Tetrachloroethane failed the recovery criteria low for the MS of sample OLF-G07MS (680-184447-11) in batch 680-621992. Chloroethane failed the recovery criteria high.

Case Narrative

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Job ID: 680-184447-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

Several analytes failed the recovery criteria high for the MSD of sample OLF-G07MSD (680-184447-11) in batch 680-621992. Several analytes exceeded the RPD limit.

Bromomethane and Tetrachloroethylene failed the recovery criteria high for the MS of sample OLF-G42MS (680-184447-16) in batch 680-622267.

Bromomethane failed the recovery criteria high for the MSD of sample OLF-G42MSD (680-184447-16) in batch 680-622267.

Refer to the QC report for details.

Sample OLF-G77 (680-184447-13)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

GC/MS VOA

Method 8260B: The initial calibration verification (ICV) result for batch 680-619677 was above the upper control limit. Sample results were non-detects, and have been reported as qualified data.

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-621520 recovered above the upper control limit for Bromomethane. 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 680-621520 recovered outside control limits for the following analytes: Bromomethane. 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 680-621520 contained Bromomethane 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).

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-621520.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-621514.

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-621514 recovered above the upper control limit for Chloroethane. The samples associated with this CCV was 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 680-621514 recovered outside control limits for the following analytes: Chloroethane and Bromomethane. 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 680-621746.

Method 8260B: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-621746 recovered outside control limits for the following analyte(s): Bromomethane and Chloroethane. Bromomethane and Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. <INCLUDE_IF_APPLICABLE> Batch precision also exceeded control limits for these analyte(s). These results have been reported and qualified.

Method 8260B: The continuing calibration verification (CCV) analyzed in batch 680-621746 was outside the method criteria for the following analyte: Bromomethane and Chloroethane. Bromomethane and Chloroethane CCV standard has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. Batch precision also exceeded control limits for these analyte(s). 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

Case Narrative

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Job ID: 680-184447-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

analytical batch 680-622063.

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 following sample was diluted to bring the concentration of target analytes within the calibration range: OLF-G77 (680-184447-13). 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 680-622071.

Method 8260B: The continuing calibration verification (CCV) analyzed in 680-621992 was outside the method criteria for the following analyte(s): Chloroethane and Bromomethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260B: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-621992 recovered outside control limits for the following analyte(s): Bromomethane and Chloroethane. Bromomethane and Chloroethane have been identified as a poor performing analytes 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 680-621992 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 matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 680-621992 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-622071 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 680-622071/2).

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-622071 recovered outside control limits for the following analytes: Bromomethane. 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 following analyte(s) recovered outside control limits for the LCS associated with analytical batch 680-622071: Tetrachloroethene. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 680-622267 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted.

Method 8260B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-622267 recovered outside control limits for the following analytes: Bromomethane. 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 matrix spike/matrix spike duplicate (MS/MSD) for analytical batch 680-622267 exceeded control limits for the following analyte(s): Bromomethane. Note that this analyte is a known poor performer when analyzed using this method.

Method 8260B: The matrix spike (MS) recoveries for analytical batch 680-622267 was 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: Reanalysis of the following samples were performed outside of the analytical holding time due to failure of sample internal

Case Narrative

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Job ID: 680-184447-1 (Continued)

Laboratory: Eurofins TestAmerica, Savannah (Continued)

standard in the initial analysis : OLF-G42 (680-184447-16[MS]) and OLF-G42 (680-184447-16[MSD]).

Method 8260B: The continuing calibration verification (CCV) analyzed in 680-622063 was outside the method criteria for the following analyte(s): Bromomethane and Chloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260B: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 680-622063 recovered outside control limits for the following analyte(s): Bromomethane and Chloroethane. Bromomethane and Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 680-622063 recovered outside control limits for the following analytes: Bromomethane and Chloroethane.

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.

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

DISSOLVED GASES

Samples OLF-G77 (680-184447-13), OLF-G23 (680-184447-17), OLF-G12 (680-184447-18), EB134 (680-184447-19) and MB104 (680-184447-20) were analyzed for dissolved gases in accordance with RSK-175. The samples were analyzed on 06/04/2020.

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

TOTAL ORGANIC CARBON

Samples OLF-G77 (680-184447-13), EB134 (680-184447-19) and MB104 (680-184447-20) were analyzed for total organic carbon in accordance with EPA SW-846 Method 9060A. The samples were analyzed on 06/03/2020.

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

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G47

Lab Sample ID: 680-184447-1

Date Collected: 05/26/20 12:11

Matrix: Water

Date Received: 05/30/20 10:00

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			06/06/20 22:55	1
Acrylonitrile	10	U	20	10	ug/L			06/06/20 22:55	1
Benzene	0.43	U	1.0	0.43	ug/L			06/06/20 22:55	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/06/20 22:55	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/06/20 22:55	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/06/20 22:55	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/06/20 22:55	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/06/20 22:55	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/06/20 22:55	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/06/20 22:55	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/06/20 22:55	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/06/20 22:55	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/06/20 22:55	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/06/20 22:55	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/06/20 22:55	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/06/20 22:55	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/06/20 22:55	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/06/20 22:55	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/06/20 22:55	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/06/20 22:55	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/06/20 22:55	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/06/20 22:55	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/06/20 22:55	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/06/20 22:55	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/06/20 22:55	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/06/20 22:55	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/06/20 22:55	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/06/20 22:55	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/06/20 22:55	1
Iodomethane	5.0	U	10	5.0	ug/L			06/06/20 22:55	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/06/20 22:55	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/06/20 22:55	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/06/20 22:55	1
Styrene	0.27	U	1.0	0.27	ug/L			06/06/20 22:55	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 22:55	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/06/20 22:55	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/06/20 22:55	1
Toluene	0.48	U	1.0	0.48	ug/L			06/06/20 22:55	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/06/20 22:55	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/06/20 22:55	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/06/20 22:55	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 22:55	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/06/20 22:55	1
Trichloroethene	1.8		1.0	0.48	ug/L			06/06/20 22:55	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/06/20 22:55	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/06/20 22:55	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/06/20 22:55	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/06/20 22:55	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/06/20 22:55	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G47

Lab Sample ID: 680-184447-1

Date Collected: 05/26/20 12:11

Matrix: Water

Date Received: 05/30/20 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		06/06/20 22:55	1
Dibromofluoromethane (Surr)	108		80 - 122		06/06/20 22:55	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		06/06/20 22:55	1
Toluene-d8 (Surr)	111		80 - 120		06/06/20 22:55	1

Client Sample ID: OLF-G36

Lab Sample ID: 680-184447-2

Date Collected: 05/27/20 10:51

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 13:52	1
Acrylonitrile	10	U	20	10	ug/L			06/09/20 13:52	1
Benzene	0.43	U	1.0	0.43	ug/L			06/09/20 13:52	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/09/20 13:52	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/09/20 13:52	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/09/20 13:52	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/09/20 13:52	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/09/20 13:52	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/09/20 13:52	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/09/20 13:52	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/09/20 13:52	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/09/20 13:52	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/09/20 13:52	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/09/20 13:52	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/09/20 13:52	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/09/20 13:52	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/09/20 13:52	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/09/20 13:52	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/09/20 13:52	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/09/20 13:52	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/09/20 13:52	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/09/20 13:52	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/09/20 13:52	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/09/20 13:52	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/09/20 13:52	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/09/20 13:52	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/09/20 13:52	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/09/20 13:52	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/09/20 13:52	1
Iodomethane	5.0	U	10	5.0	ug/L			06/09/20 13:52	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/09/20 13:52	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/09/20 13:52	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/09/20 13:52	1
Styrene	0.27	U	1.0	0.27	ug/L			06/09/20 13:52	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 13:52	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/09/20 13:52	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/09/20 13:52	1
Toluene	0.48	U	1.0	0.48	ug/L			06/09/20 13:52	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/09/20 13:52	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G36

Lab Sample ID: 680-184447-2

Date Collected: 05/27/20 10:51

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 13:52	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/09/20 13:52	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 13:52	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/09/20 13:52	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/09/20 13:52	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/09/20 13:52	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/09/20 13:52	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/09/20 13:52	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/09/20 13:52	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/09/20 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		80 - 120		06/09/20 13:52	1
Dibromofluoromethane (Surr)	105		80 - 122		06/09/20 13:52	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/09/20 13:52	1
Toluene-d8 (Surr)	114		80 - 120		06/09/20 13:52	1

Client Sample ID: OLF-G21

Lab Sample ID: 680-184447-3

Date Collected: 05/27/20 13:16

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 14:15	1
Acrylonitrile	10	U	20	10	ug/L			06/09/20 14:15	1
Benzene	0.43	U	1.0	0.43	ug/L			06/09/20 14:15	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/09/20 14:15	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/09/20 14:15	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/09/20 14:15	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/09/20 14:15	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/09/20 14:15	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/09/20 14:15	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/09/20 14:15	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/09/20 14:15	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/09/20 14:15	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/09/20 14:15	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/09/20 14:15	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/09/20 14:15	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/09/20 14:15	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/09/20 14:15	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/09/20 14:15	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/09/20 14:15	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/09/20 14:15	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/09/20 14:15	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/09/20 14:15	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/09/20 14:15	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/09/20 14:15	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/09/20 14:15	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/09/20 14:15	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/09/20 14:15	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G21

Lab Sample ID: 680-184447-3

Date Collected: 05/27/20 13:16

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 14:15	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/09/20 14:15	1
Iodomethane	5.0	U	10	5.0	ug/L			06/09/20 14:15	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/09/20 14:15	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/09/20 14:15	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/09/20 14:15	1
Styrene	0.27	U	1.0	0.27	ug/L			06/09/20 14:15	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 14:15	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/09/20 14:15	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/09/20 14:15	1
Toluene	0.48	U	1.0	0.48	ug/L			06/09/20 14:15	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/09/20 14:15	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/09/20 14:15	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/09/20 14:15	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 14:15	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/09/20 14:15	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/09/20 14:15	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/09/20 14:15	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/09/20 14:15	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/09/20 14:15	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/09/20 14:15	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/09/20 14:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		80 - 120		06/09/20 14:15	1
Dibromofluoromethane (Surr)	106		80 - 122		06/09/20 14:15	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		06/09/20 14:15	1
Toluene-d8 (Surr)	112		80 - 120		06/09/20 14:15	1

Client Sample ID: OLF-G35

Lab Sample ID: 680-184447-4

Date Collected: 05/26/20 15:06

Matrix: Water

Date Received: 05/30/20 10:00

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			06/06/20 23:18	1
Acrylonitrile	10	U	20	10	ug/L			06/06/20 23:18	1
Benzene	0.43	U	1.0	0.43	ug/L			06/06/20 23:18	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/06/20 23:18	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/06/20 23:18	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/06/20 23:18	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/06/20 23:18	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/06/20 23:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/06/20 23:18	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/06/20 23:18	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/06/20 23:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/06/20 23:18	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/06/20 23:18	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/06/20 23:18	1
cis-1,2-Dichloroethene	0.46	J	1.0	0.41	ug/L			06/06/20 23:18	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G35

Lab Sample ID: 680-184447-4

Date Collected: 05/26/20 15:06

Matrix: Water

Date Received: 05/30/20 10:00

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			06/06/20 23:18	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/06/20 23:18	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/06/20 23:18	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/06/20 23:18	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/06/20 23:18	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/06/20 23:18	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/06/20 23:18	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/06/20 23:18	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/06/20 23:18	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/06/20 23:18	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/06/20 23:18	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/06/20 23:18	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/06/20 23:18	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/06/20 23:18	1
Iodomethane	5.0	U	10	5.0	ug/L			06/06/20 23:18	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/06/20 23:18	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/06/20 23:18	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/06/20 23:18	1
Styrene	0.27	U	1.0	0.27	ug/L			06/06/20 23:18	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 23:18	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/06/20 23:18	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/06/20 23:18	1
Toluene	0.48	J	1.0	0.48	ug/L			06/06/20 23:18	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/06/20 23:18	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/06/20 23:18	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/06/20 23:18	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 23:18	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/06/20 23:18	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/06/20 23:18	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/06/20 23:18	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/06/20 23:18	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/06/20 23:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/06/20 23:18	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/06/20 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		06/06/20 23:18	1
Dibromofluoromethane (Surr)	109		80 - 122		06/06/20 23:18	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		06/06/20 23:18	1
Toluene-d8 (Surr)	110		80 - 120		06/06/20 23:18	1

Client Sample ID: OLF-G18

Lab Sample ID: 680-184447-5

Date Collected: 05/27/20 11:55

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 14:38	1
Acrylonitrile	10	U	20	10	ug/L			06/09/20 14:38	1
Benzene	0.43	U	1.0	0.43	ug/L			06/09/20 14:38	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G18

Lab Sample ID: 680-184447-5

Date Collected: 05/27/20 11:55

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 14:38	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/09/20 14:38	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/09/20 14:38	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/09/20 14:38	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/09/20 14:38	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/09/20 14:38	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/09/20 14:38	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/09/20 14:38	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/09/20 14:38	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/09/20 14:38	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/09/20 14:38	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/09/20 14:38	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/09/20 14:38	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/09/20 14:38	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/09/20 14:38	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/09/20 14:38	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/09/20 14:38	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/09/20 14:38	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/09/20 14:38	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/09/20 14:38	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/09/20 14:38	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/09/20 14:38	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/09/20 14:38	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/09/20 14:38	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/09/20 14:38	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/09/20 14:38	1
Iodomethane	5.0	U	10	5.0	ug/L			06/09/20 14:38	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/09/20 14:38	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/09/20 14:38	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/09/20 14:38	1
Styrene	0.27	U	1.0	0.27	ug/L			06/09/20 14:38	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 14:38	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/09/20 14:38	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/09/20 14:38	1
Toluene	0.48	U	1.0	0.48	ug/L			06/09/20 14:38	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/09/20 14:38	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/09/20 14:38	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/09/20 14:38	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 14:38	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/09/20 14:38	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/09/20 14:38	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/09/20 14:38	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/09/20 14:38	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/09/20 14:38	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/09/20 14:38	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/09/20 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		80 - 120		06/09/20 14:38	1
Dibromofluoromethane (Surr)	108		80 - 122		06/09/20 14:38	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G18

Lab Sample ID: 680-184447-5

Date Collected: 05/27/20 11:55

Matrix: Water

Date Received: 05/30/20 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		73 - 131		06/09/20 14:38	1
Toluene-d8 (Surr)	112		80 - 120		06/09/20 14:38	1

Client Sample ID: OLF-G19

Lab Sample ID: 680-184447-6

Date Collected: 05/27/20 15:00

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 15:02	1
Acrylonitrile	10	U	20	10	ug/L			06/09/20 15:02	1
Benzene	0.43	U	1.0	0.43	ug/L			06/09/20 15:02	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/09/20 15:02	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/09/20 15:02	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/09/20 15:02	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/09/20 15:02	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/09/20 15:02	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/09/20 15:02	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/09/20 15:02	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/09/20 15:02	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/09/20 15:02	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/09/20 15:02	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/09/20 15:02	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/09/20 15:02	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/09/20 15:02	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/09/20 15:02	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/09/20 15:02	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/09/20 15:02	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/09/20 15:02	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/09/20 15:02	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/09/20 15:02	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/09/20 15:02	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/09/20 15:02	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/09/20 15:02	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/09/20 15:02	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/09/20 15:02	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/09/20 15:02	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/09/20 15:02	1
Iodomethane	5.0	U	10	5.0	ug/L			06/09/20 15:02	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/09/20 15:02	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/09/20 15:02	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/09/20 15:02	1
Styrene	0.27	U	1.0	0.27	ug/L			06/09/20 15:02	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 15:02	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/09/20 15:02	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/09/20 15:02	1
Toluene	0.48	U	1.0	0.48	ug/L			06/09/20 15:02	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/09/20 15:02	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/09/20 15:02	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G19

Lab Sample ID: 680-184447-6

Date Collected: 05/27/20 15:00

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 15:02	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 15:02	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/09/20 15:02	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/09/20 15:02	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/09/20 15:02	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/09/20 15:02	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/09/20 15:02	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/09/20 15:02	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/09/20 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		80 - 120					06/09/20 15:02	1
Dibromofluoromethane (Surr)	105		80 - 122					06/09/20 15:02	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131					06/09/20 15:02	1
Toluene-d8 (Surr)	111		80 - 120					06/09/20 15:02	1

Client Sample ID: OLF-G22

Lab Sample ID: 680-184447-7

Date Collected: 05/27/20 10:10

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 15:25	1
Acrylonitrile	10	U	20	10	ug/L			06/09/20 15:25	1
Benzene	0.43	U	1.0	0.43	ug/L			06/09/20 15:25	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/09/20 15:25	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/09/20 15:25	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/09/20 15:25	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/09/20 15:25	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/09/20 15:25	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/09/20 15:25	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/09/20 15:25	1
Chlorobenzene	7.2		1.0	0.26	ug/L			06/09/20 15:25	1
Chloroethane	5.4 *		5.0	2.5	ug/L			06/09/20 15:25	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/09/20 15:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/09/20 15:25	1
cis-1,2-Dichloroethene	40		1.0	0.41	ug/L			06/09/20 15:25	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/09/20 15:25	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/09/20 15:25	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/09/20 15:25	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/09/20 15:25	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/09/20 15:25	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/09/20 15:25	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/09/20 15:25	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/09/20 15:25	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/09/20 15:25	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/09/20 15:25	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/09/20 15:25	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/09/20 15:25	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/09/20 15:25	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G22

Lab Sample ID: 680-184447-7

Date Collected: 05/27/20 10:10

Matrix: Water

Date Received: 05/30/20 10:00

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			06/09/20 15:25	1
Iodomethane	5.0	U	10	5.0	ug/L			06/09/20 15:25	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/09/20 15:25	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/09/20 15:25	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/09/20 15:25	1
Styrene	0.27	U	1.0	0.27	ug/L			06/09/20 15:25	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 15:25	1
1,1,2,2-Tetrachloroethane	49		1.0	0.62	ug/L			06/09/20 15:25	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/09/20 15:25	1
Toluene	0.48	U	1.0	0.48	ug/L			06/09/20 15:25	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/09/20 15:25	1
trans-1,2-Dichloroethene	11		1.0	0.37	ug/L			06/09/20 15:25	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/09/20 15:25	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 15:25	1
1,1,2-Trichloroethane	2.0		1.0	0.33	ug/L			06/09/20 15:25	1
Trichloroethene	110		1.0	0.48	ug/L			06/09/20 15:25	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/09/20 15:25	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/09/20 15:25	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/09/20 15:25	1
Vinyl chloride	1.2		1.0	0.50	ug/L			06/09/20 15:25	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/09/20 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		80 - 120		06/09/20 15:25	1
Dibromofluoromethane (Surr)	105		80 - 122		06/09/20 15:25	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		06/09/20 15:25	1
Toluene-d8 (Surr)	111		80 - 120		06/09/20 15:25	1

Client Sample ID: OLF-G48

Lab Sample ID: 680-184447-8

Date Collected: 05/26/20 10:06

Matrix: Water

Date Received: 05/30/20 10:00

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			06/06/20 23:41	1
Acrylonitrile	10	U	20	10	ug/L			06/06/20 23:41	1
Benzene	0.43	U	1.0	0.43	ug/L			06/06/20 23:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/06/20 23:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/06/20 23:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/06/20 23:41	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/06/20 23:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/06/20 23:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/06/20 23:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/06/20 23:41	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/06/20 23:41	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/06/20 23:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/06/20 23:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/06/20 23:41	1
cis-1,2-Dichloroethene	0.87	J	1.0	0.41	ug/L			06/06/20 23:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/06/20 23:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G48

Lab Sample ID: 680-184447-8

Date Collected: 05/26/20 10:06

Matrix: Water

Date Received: 05/30/20 10:00

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			06/06/20 23:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/06/20 23:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/06/20 23:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/06/20 23:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/06/20 23:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/06/20 23:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/06/20 23:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/06/20 23:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/06/20 23:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/06/20 23:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/06/20 23:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/06/20 23:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/06/20 23:41	1
Iodomethane	5.0	U	10	5.0	ug/L			06/06/20 23:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/06/20 23:41	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/06/20 23:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/06/20 23:41	1
Styrene	0.27	U	1.0	0.27	ug/L			06/06/20 23:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 23:41	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/06/20 23:41	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/06/20 23:41	1
Toluene	0.48	U	1.0	0.48	ug/L			06/06/20 23:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/06/20 23:41	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/06/20 23:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/06/20 23:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 23:41	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/06/20 23:41	1
Trichloroethene	4.3		1.0	0.48	ug/L			06/06/20 23:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/06/20 23:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/06/20 23:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/06/20 23:41	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/06/20 23:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/06/20 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		06/06/20 23:41	1
Dibromofluoromethane (Surr)	108		80 - 122		06/06/20 23:41	1
1,2-Dichloroethane-d4 (Surr)	96		73 - 131		06/06/20 23:41	1
Toluene-d8 (Surr)	110		80 - 120		06/06/20 23:41	1

Client Sample ID: OLF-G24

Lab Sample ID: 680-184447-9

Date Collected: 05/26/20 10:10

Matrix: Water

Date Received: 05/30/20 10:00

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			06/07/20 00:04	1
Acrylonitrile	10	U	20	10	ug/L			06/07/20 00:04	1
Benzene	0.43	U	1.0	0.43	ug/L			06/07/20 00:04	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/07/20 00:04	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G24

Lab Sample ID: 680-184447-9

Date Collected: 05/26/20 10:10

Matrix: Water

Date Received: 05/30/20 10:00

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			06/07/20 00:04	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/07/20 00:04	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/07/20 00:04	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/07/20 00:04	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/07/20 00:04	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/07/20 00:04	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/07/20 00:04	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/07/20 00:04	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/07/20 00:04	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/07/20 00:04	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/07/20 00:04	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/07/20 00:04	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/07/20 00:04	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/07/20 00:04	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/07/20 00:04	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/07/20 00:04	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/07/20 00:04	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/07/20 00:04	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/07/20 00:04	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/07/20 00:04	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/07/20 00:04	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/07/20 00:04	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/07/20 00:04	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/07/20 00:04	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/07/20 00:04	1
Iodomethane	5.0	U	10	5.0	ug/L			06/07/20 00:04	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/07/20 00:04	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/07/20 00:04	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/07/20 00:04	1
Styrene	0.27	U	1.0	0.27	ug/L			06/07/20 00:04	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/07/20 00:04	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/07/20 00:04	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/07/20 00:04	1
Toluene	0.48	U	1.0	0.48	ug/L			06/07/20 00:04	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/07/20 00:04	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/07/20 00:04	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/07/20 00:04	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/07/20 00:04	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/07/20 00:04	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/07/20 00:04	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/07/20 00:04	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/07/20 00:04	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/07/20 00:04	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/07/20 00:04	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/07/20 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		06/07/20 00:04	1
Dibromofluoromethane (Surr)	108		80 - 122		06/07/20 00:04	1
1,2-Dichloroethane-d4 (Surr)	97		73 - 131		06/07/20 00:04	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G24

Lab Sample ID: 680-184447-9

Date Collected: 05/26/20 10:10

Matrix: Water

Date Received: 05/30/20 10:00

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		80 - 120		06/07/20 00:04	1

Client Sample ID: DUP346

Lab Sample ID: 680-184447-10

Date Collected: 05/26/20 00:00

Matrix: Water

Date Received: 05/30/20 10:00

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			06/06/20 19:48	1
Acrylonitrile	10	U	20	10	ug/L			06/06/20 19:48	1
Benzene	0.43	U	1.0	0.43	ug/L			06/06/20 19:48	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/06/20 19:48	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/06/20 19:48	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/06/20 19:48	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/06/20 19:48	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/06/20 19:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/06/20 19:48	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/06/20 19:48	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/06/20 19:48	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/06/20 19:48	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/06/20 19:48	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/06/20 19:48	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/06/20 19:48	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/06/20 19:48	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/06/20 19:48	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/06/20 19:48	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/06/20 19:48	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/06/20 19:48	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/06/20 19:48	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/06/20 19:48	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/06/20 19:48	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/06/20 19:48	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/06/20 19:48	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/06/20 19:48	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/06/20 19:48	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/06/20 19:48	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/06/20 19:48	1
Iodomethane	5.0	U	10	5.0	ug/L			06/06/20 19:48	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/06/20 19:48	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/06/20 19:48	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/06/20 19:48	1
Styrene	0.27	U	1.0	0.27	ug/L			06/06/20 19:48	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 19:48	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/06/20 19:48	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/06/20 19:48	1
Toluene	0.48	U	1.0	0.48	ug/L			06/06/20 19:48	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/06/20 19:48	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/06/20 19:48	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/06/20 19:48	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: DUP346

Lab Sample ID: 680-184447-10

Date Collected: 05/26/20 00:00

Matrix: Water

Date Received: 05/30/20 10:00

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			06/06/20 19:48	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/06/20 19:48	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/06/20 19:48	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/06/20 19:48	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/06/20 19:48	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/06/20 19:48	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/06/20 19:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/06/20 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		80 - 120		06/06/20 19:48	1
Dibromofluoromethane (Surr)	104		80 - 122		06/06/20 19:48	1
1,2-Dichloroethane-d4 (Surr)	98		73 - 131		06/06/20 19:48	1
Toluene-d8 (Surr)	109		80 - 120		06/06/20 19:48	1

Client Sample ID: OLF-G07

Lab Sample ID: 680-184447-11

Date Collected: 05/28/20 11:21

Matrix: Water

Date Received: 05/30/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U F2	10	7.0	ug/L			06/11/20 04:13	1
Acrylonitrile	10	U F2	20	10	ug/L			06/11/20 04:13	1
Benzene	0.43	U F1 F2	1.0	0.43	ug/L			06/11/20 04:13	1
Bromochloromethane	0.45	U F2	1.0	0.45	ug/L			06/11/20 04:13	1
Bromodichloromethane	0.44	U F1 F2	1.0	0.44	ug/L			06/11/20 04:13	1
Bromoform	0.43	U F1 F2	1.0	0.43	ug/L			06/11/20 04:13	1
Bromomethane	2.5	U * F1 F2	5.0	2.5	ug/L			06/11/20 04:13	1
2-Butanone (MEK)	3.4	U F2	10	3.4	ug/L			06/11/20 04:13	1
Carbon disulfide	1.0	U F1 F2	2.0	1.0	ug/L			06/11/20 04:13	1
Carbon tetrachloride	0.33	U F1 F2	1.0	0.33	ug/L			06/11/20 04:13	1
Chlorobenzene	0.26	U F1 F2	1.0	0.26	ug/L			06/11/20 04:13	1
Chloroethane	2.5	U * F1 F2	5.0	2.5	ug/L			06/11/20 04:13	1
Chloroform	0.50	U F1 F2	1.0	0.50	ug/L			06/11/20 04:13	1
Chloromethane	0.40	U F1 F2	1.0	0.40	ug/L			06/11/20 04:13	1
cis-1,2-Dichloroethene	11	F1 F2	1.0	0.41	ug/L			06/11/20 04:13	1
cis-1,3-Dichloropropene	0.40	U F2	1.0	0.40	ug/L			06/11/20 04:13	1
Dibromochloromethane	0.32	U F2	1.0	0.32	ug/L			06/11/20 04:13	1
1,2-Dibromo-3-Chloropropane	1.1	U F1 F2	5.0	1.1	ug/L			06/11/20 04:13	1
1,2-Dibromoethane	0.44	U F1 F2	1.0	0.44	ug/L			06/11/20 04:13	1
Dibromomethane	0.35	U F1 F2	1.0	0.35	ug/L			06/11/20 04:13	1
1,2-Dichlorobenzene	0.37	U F1 F2	1.0	0.37	ug/L			06/11/20 04:13	1
1,4-Dichlorobenzene	0.46	U F1 F2	1.0	0.46	ug/L			06/11/20 04:13	1
1,1-Dichloroethane	0.38	U F1 F2	1.0	0.38	ug/L			06/11/20 04:13	1
1,2-Dichloroethane	0.50	U F1	1.0	0.50	ug/L			06/11/20 04:13	1
1,1-Dichloroethene	0.36	U F1 F2	1.0	0.36	ug/L			06/11/20 04:13	1
1,2-Dichloropropane	0.67	U F1 F2	1.0	0.67	ug/L			06/11/20 04:13	1
1,3-Dichloropropane	0.34	U F1 F2	1.0	0.34	ug/L			06/11/20 04:13	1
Ethylbenzene	0.33	U F1 F2	1.0	0.33	ug/L			06/11/20 04:13	1
2-Hexanone	2.0	U F2	10	2.0	ug/L			06/11/20 04:13	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G07

Lab Sample ID: 680-184447-11

Date Collected: 05/28/20 11:21

Matrix: Water

Date Received: 05/30/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	5.0	U F2	10	5.0	ug/L			06/11/20 04:13	1
Methylene Chloride	2.5	U F2	5.0	2.5	ug/L			06/11/20 04:13	1
4-Methyl-2-pentanone (MIBK)	2.1	U F2	10	2.1	ug/L			06/11/20 04:13	1
Methyl tert-butyl ether	0.30	U F2	10	0.30	ug/L			06/11/20 04:13	1
Styrene	0.27	U F1 F2	1.0	0.27	ug/L			06/11/20 04:13	1
1,1,1,2-Tetrachloroethane	0.37	U F1 F2	1.0	0.37	ug/L			06/11/20 04:13	1
1,1,2,2-Tetrachloroethane	180	F1 F2	1.0	0.62	ug/L			06/11/20 04:13	1
Tetrachloroethylene	0.99	J F1 F2	1.0	0.74	ug/L			06/11/20 04:13	1
Toluene	0.48	U F1 F2	1.0	0.48	ug/L			06/11/20 04:13	1
trans-1,4-Dichloro-2-butene	0.51	U F2	2.0	0.51	ug/L			06/11/20 04:13	1
trans-1,2-Dichloroethene	4.9	F1 F2	1.0	0.37	ug/L			06/11/20 04:13	1
trans-1,3-Dichloropropene	0.42	U F2	1.0	0.42	ug/L			06/11/20 04:13	1
1,1,1-Trichloroethane	0.37	U F1 F2	1.0	0.37	ug/L			06/11/20 04:13	1
1,1,2-Trichloroethane	2.0	F1 F2	1.0	0.33	ug/L			06/11/20 04:13	1
Trichloroethene	83	F1 F2	1.0	0.48	ug/L			06/11/20 04:13	1
Trichlorofluoromethane	0.42	U F1 F2	1.0	0.42	ug/L			06/11/20 04:13	1
1,2,3-Trichloropropane	0.39	U F1 F2	1.0	0.39	ug/L			06/11/20 04:13	1
Vinyl acetate	0.81	U F2	2.0	0.81	ug/L			06/11/20 04:13	1
Vinyl chloride	0.50	U F1 F2	1.0	0.50	ug/L			06/11/20 04:13	1
Xylenes, Total	0.23	U F1 F2	1.0	0.23	ug/L			06/11/20 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		80 - 120		06/11/20 04:13	1
Dibromofluoromethane (Surr)	110		80 - 122		06/11/20 04:13	1
1,2-Dichloroethane-d4 (Surr)	108		73 - 131		06/11/20 04:13	1
Toluene-d8 (Surr)	113		80 - 120		06/11/20 04:13	1

Client Sample ID: OLF-G78

Lab Sample ID: 680-184447-12

Date Collected: 05/28/20 10:01

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 01:32	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 01:32	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 01:32	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 01:32	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 01:32	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 01:32	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/11/20 01:32	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 01:32	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 01:32	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 01:32	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/11/20 01:32	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/11/20 01:32	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 01:32	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 01:32	1
cis-1,2-Dichloroethene	2.4		1.0	0.41	ug/L			06/11/20 01:32	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 01:32	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 01:32	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G78

Lab Sample ID: 680-184447-12

Date Collected: 05/28/20 10:01

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 01:32	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 01:32	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 01:32	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 01:32	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 01:32	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 01:32	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 01:32	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 01:32	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 01:32	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 01:32	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 01:32	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 01:32	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 01:32	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 01:32	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 01:32	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 01:32	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 01:32	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 01:32	1
1,1,2,2-Tetrachloroethane	14		1.0	0.62	ug/L			06/11/20 01:32	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/11/20 01:32	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 01:32	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 01:32	1
trans-1,2-Dichloroethene	1.1		1.0	0.37	ug/L			06/11/20 01:32	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 01:32	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 01:32	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/11/20 01:32	1
Trichloroethene	16		1.0	0.48	ug/L			06/11/20 01:32	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 01:32	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 01:32	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 01:32	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/11/20 01:32	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		80 - 120		06/11/20 01:32	1
Dibromofluoromethane (Surr)	105		80 - 122		06/11/20 01:32	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/11/20 01:32	1
Toluene-d8 (Surr)	114		80 - 120		06/11/20 01:32	1

Client Sample ID: OLF-G77

Lab Sample ID: 680-184447-13

Date Collected: 05/28/20 08:26

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 01:55	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 01:55	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 01:55	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 01:55	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 01:55	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G77

Lab Sample ID: 680-184447-13

Date Collected: 05/28/20 08:26

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 01:55	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/11/20 01:55	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 01:55	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 01:55	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 01:55	1
Chlorobenzene	18		1.0	0.26	ug/L			06/11/20 01:55	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/11/20 01:55	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 01:55	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 01:55	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 01:55	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 01:55	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 01:55	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 01:55	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 01:55	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 01:55	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 01:55	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 01:55	1
1,2-Dichloroethane	0.68 J		1.0	0.50	ug/L			06/11/20 01:55	1
1,1-Dichloroethene	0.56 J		1.0	0.36	ug/L			06/11/20 01:55	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 01:55	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 01:55	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 01:55	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 01:55	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 01:55	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 01:55	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 01:55	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 01:55	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 01:55	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 01:55	1
Tetrachloroethylene	5.3		1.0	0.74	ug/L			06/11/20 01:55	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 01:55	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 01:55	1
trans-1,2-Dichloroethene	140		1.0	0.37	ug/L			06/11/20 01:55	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 01:55	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 01:55	1
1,1,2-Trichloroethane	28		1.0	0.33	ug/L			06/11/20 01:55	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 01:55	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 01:55	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 01:55	1
Vinyl chloride	15		1.0	0.50	ug/L			06/11/20 01:55	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 01:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		80 - 120		06/11/20 01:55	1
Dibromofluoromethane (Surr)	108		80 - 122		06/11/20 01:55	1
1,2-Dichloroethane-d4 (Surr)	104		73 - 131		06/11/20 01:55	1
Toluene-d8 (Surr)	112		80 - 120		06/11/20 01:55	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G77

Lab Sample ID: 680-184447-13

Date Collected: 05/28/20 08:26

Matrix: Water

Date Received: 05/30/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	190		10	4.1	ug/L			06/11/20 17:52	10
1,1,2,2-Tetrachloroethane	980		10	6.2	ug/L			06/11/20 17:52	10
Trichloroethene	380		10	4.8	ug/L			06/11/20 17:52	10

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	2.2		1.1	0.55	ug/L			06/04/20 14:57	1
Ethene	13		1.0	0.50	ug/L			06/04/20 14:57	1
Methane (TCD)	770		390	39	ug/L			06/04/20 14:57	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			06/03/20 23:19	1
Total Organic Carbon - Quad	1.5		1.0	0.50	mg/L			06/03/20 23:19	1

Client Sample ID: TB556

Lab Sample ID: 680-184447-14

Date Collected: 05/28/20 15:30

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 00:46	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 00:46	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 00:46	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 00:46	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 00:46	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 00:46	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/11/20 00:46	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 00:46	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 00:46	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 00:46	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/11/20 00:46	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/11/20 00:46	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 00:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 00:46	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/11/20 00:46	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 00:46	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 00:46	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 00:46	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 00:46	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 00:46	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 00:46	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 00:46	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 00:46	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 00:46	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 00:46	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 00:46	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 00:46	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 00:46	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 00:46	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: TB556

Lab Sample ID: 680-184447-14

Date Collected: 05/28/20 15:30

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 00:46	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 00:46	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 00:46	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 00:46	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 00:46	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 00:46	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/11/20 00:46	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/11/20 00:46	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 00:46	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 00:46	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/11/20 00:46	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 00:46	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 00:46	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/11/20 00:46	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/11/20 00:46	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 00:46	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 00:46	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 00:46	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/11/20 00:46	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 00:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		80 - 120		06/11/20 00:46	1
Dibromofluoromethane (Surr)	106		80 - 122		06/11/20 00:46	1
1,2-Dichloroethane-d4 (Surr)	102		73 - 131		06/11/20 00:46	1
Toluene-d8 (Surr)	112		80 - 120		06/11/20 00:46	1

Client Sample ID: OLF-G20

Lab Sample ID: 680-184447-15

Date Collected: 05/28/20 13:35

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 14:23	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 14:23	1
Benzene	0.54	J	1.0	0.43	ug/L			06/11/20 14:23	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 14:23	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 14:23	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 14:23	1
Bromomethane	2.5	U * *1	5.0	2.5	ug/L			06/11/20 14:23	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 14:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 14:23	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 14:23	1
Chlorobenzene	1.8		1.0	0.26	ug/L			06/11/20 14:23	1
Chloroethane	2.5	U *	5.0	2.5	ug/L			06/11/20 14:23	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 14:23	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 14:23	1
cis-1,2-Dichloroethene	5.9		1.0	0.41	ug/L			06/11/20 14:23	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 14:23	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 14:23	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G20

Lab Sample ID: 680-184447-15

Date Collected: 05/28/20 13:35

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 14:23	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 14:23	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 14:23	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 14:23	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 14:23	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 14:23	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 14:23	1
1,1-Dichloroethene	2.3		1.0	0.36	ug/L			06/11/20 14:23	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 14:23	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 14:23	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 14:23	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 14:23	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 14:23	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 14:23	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 14:23	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 14:23	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 14:23	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 14:23	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/11/20 14:23	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/11/20 14:23	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 14:23	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 14:23	1
trans-1,2-Dichloroethene	1.5		1.0	0.37	ug/L			06/11/20 14:23	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 14:23	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 14:23	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/11/20 14:23	1
Trichloroethene	7.7		1.0	0.48	ug/L			06/11/20 14:23	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 14:23	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 14:23	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 14:23	1
Vinyl chloride	8.4		1.0	0.50	ug/L			06/11/20 14:23	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 14:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		80 - 120		06/11/20 14:23	1
Dibromofluoromethane (Surr)	103		80 - 122		06/11/20 14:23	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131		06/11/20 14:23	1
Toluene-d8 (Surr)	111		80 - 120		06/11/20 14:23	1

Client Sample ID: OLF-G42

Lab Sample ID: 680-184447-16

Date Collected: 05/28/20 11:45

Matrix: Water

Date Received: 05/30/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U F1 F2	10	7.0	ug/L			06/11/20 04:36	1
Acrylonitrile	10	U F1 F2	20	10	ug/L			06/11/20 04:36	1
Benzene	0.43	U F1 F2	1.0	0.43	ug/L			06/11/20 04:36	1
Bromochloromethane	0.45	U F1 F2	1.0	0.45	ug/L			06/11/20 04:36	1
Bromodichloromethane	0.44	U F1 F2	1.0	0.44	ug/L			06/11/20 04:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G42

Lab Sample ID: 680-184447-16

Date Collected: 05/28/20 11:45

Matrix: Water

Date Received: 05/30/20 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.43	U F1 F2	1.0	0.43	ug/L			06/11/20 04:36	1
Bromomethane	2.5	U * F1 F2	5.0	2.5	ug/L			06/11/20 04:36	1
2-Butanone (MEK)	3.4	U F1 F2	10	3.4	ug/L			06/11/20 04:36	1
Carbon disulfide	1.0	U F1 F2	2.0	1.0	ug/L			06/11/20 04:36	1
Carbon tetrachloride	0.33	U F1 F2	1.0	0.33	ug/L			06/11/20 04:36	1
Chlorobenzene	0.26	U F1 F2	1.0	0.26	ug/L			06/11/20 04:36	1
Chloroethane	2.5	U * F1 F2	5.0	2.5	ug/L			06/11/20 04:36	1
Chloroform	0.50	U F1 F2	1.0	0.50	ug/L			06/11/20 04:36	1
Chloromethane	0.40	U F1 F2	1.0	0.40	ug/L			06/11/20 04:36	1
cis-1,2-Dichloroethene	3.0	F1 F2	1.0	0.41	ug/L			06/11/20 04:36	1
cis-1,3-Dichloropropene	0.40	U F1 F2	1.0	0.40	ug/L			06/11/20 04:36	1
Dibromochloromethane	0.32	U F1 F2	1.0	0.32	ug/L			06/11/20 04:36	1
1,2-Dibromo-3-Chloropropane	1.1	U F1 F2	5.0	1.1	ug/L			06/11/20 04:36	1
1,2-Dibromoethane	0.44	U F1 F2	1.0	0.44	ug/L			06/11/20 04:36	1
Dibromomethane	0.35	U F1 F2	1.0	0.35	ug/L			06/11/20 04:36	1
1,2-Dichlorobenzene	0.37	U F1 F2	1.0	0.37	ug/L			06/11/20 04:36	1
1,4-Dichlorobenzene	0.46	U F1 F2	1.0	0.46	ug/L			06/11/20 04:36	1
1,1-Dichloroethane	0.38	U F1 F2	1.0	0.38	ug/L			06/11/20 04:36	1
1,2-Dichloroethane	0.50	U F1	1.0	0.50	ug/L			06/11/20 04:36	1
1,1-Dichloroethene	0.36	U F1 F2	1.0	0.36	ug/L			06/11/20 04:36	1
1,2-Dichloropropane	0.67	U F1 F2	1.0	0.67	ug/L			06/11/20 04:36	1
1,3-Dichloropropane	0.34	U F1 F2	1.0	0.34	ug/L			06/11/20 04:36	1
Ethylbenzene	0.33	U F1 F2	1.0	0.33	ug/L			06/11/20 04:36	1
2-Hexanone	2.0	U F1 F2	10	2.0	ug/L			06/11/20 04:36	1
Iodomethane	5.0	U F1 F2	10	5.0	ug/L			06/11/20 04:36	1
Methylene Chloride	2.5	U F1 F2	5.0	2.5	ug/L			06/11/20 04:36	1
4-Methyl-2-pentanone (MIBK)	2.1	U F1 F2	10	2.1	ug/L			06/11/20 04:36	1
Methyl tert-butyl ether	0.30	U F1 F2	10	0.30	ug/L			06/11/20 04:36	1
Styrene	0.27	U F1 F2	1.0	0.27	ug/L			06/11/20 04:36	1
1,1,1,2-Tetrachloroethane	0.37	U F1 F2	1.0	0.37	ug/L			06/11/20 04:36	1
1,1,2,2-Tetrachloroethane	1.4	F1 F2	1.0	0.62	ug/L			06/11/20 04:36	1
Tetrachloroethylene	0.74	U F1 F2	1.0	0.74	ug/L			06/11/20 04:36	1
Toluene	0.48	U F1 F2	1.0	0.48	ug/L			06/11/20 04:36	1
trans-1,4-Dichloro-2-butene	0.51	U F1 F2	2.0	0.51	ug/L			06/11/20 04:36	1
trans-1,2-Dichloroethene	0.50	J F1 F2	1.0	0.37	ug/L			06/11/20 04:36	1
trans-1,3-Dichloropropene	0.42	U F1 F2	1.0	0.42	ug/L			06/11/20 04:36	1
1,1,1-Trichloroethane	0.37	U F1 F2	1.0	0.37	ug/L			06/11/20 04:36	1
1,1,2-Trichloroethane	0.33	U F1 F2	1.0	0.33	ug/L			06/11/20 04:36	1
Trichloroethene	9.3	F1 F2	1.0	0.48	ug/L			06/11/20 04:36	1
Trichlorofluoromethane	0.42	U F1 F2	1.0	0.42	ug/L			06/11/20 04:36	1
1,2,3-Trichloropropane	0.39	U F1 F2	1.0	0.39	ug/L			06/11/20 04:36	1
Vinyl acetate	0.81	U F2	2.0	0.81	ug/L			06/11/20 04:36	1
Vinyl chloride	1.8	F1 F2	1.0	0.50	ug/L			06/11/20 04:36	1
Xylenes, Total	0.23	U F1 F2	1.0	0.23	ug/L			06/11/20 04:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		80 - 120		06/11/20 04:36	1
Dibromofluoromethane (Surr)	108		80 - 122		06/11/20 04:36	1
1,2-Dichloroethane-d4 (Surr)	105		73 - 131		06/11/20 04:36	1
Toluene-d8 (Surr)	114		80 - 120		06/11/20 04:36	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G23

Lab Sample ID: 680-184447-17

Date Collected: 05/28/20 15:25

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 02:41	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 02:41	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 02:41	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 02:41	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 02:41	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 02:41	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/11/20 02:41	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 02:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 02:41	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 02:41	1
Chlorobenzene	9.5		1.0	0.26	ug/L			06/11/20 02:41	1
Chloroethane	7.4	*	5.0	2.5	ug/L			06/11/20 02:41	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 02:41	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 02:41	1
cis-1,2-Dichloroethene	46		1.0	0.41	ug/L			06/11/20 02:41	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 02:41	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 02:41	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 02:41	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 02:41	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 02:41	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 02:41	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 02:41	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 02:41	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 02:41	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 02:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 02:41	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 02:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 02:41	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 02:41	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 02:41	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 02:41	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 02:41	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 02:41	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 02:41	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 02:41	1
1,1,2,2-Tetrachloroethane	96		1.0	0.62	ug/L			06/11/20 02:41	1
Tetrachloroethylene	0.74	J	1.0	0.74	ug/L			06/11/20 02:41	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 02:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 02:41	1
trans-1,2-Dichloroethene	19		1.0	0.37	ug/L			06/11/20 02:41	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 02:41	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 02:41	1
1,1,2-Trichloroethane	3.1		1.0	0.33	ug/L			06/11/20 02:41	1
Trichloroethene	100		1.0	0.48	ug/L			06/11/20 02:41	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 02:41	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 02:41	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 02:41	1
Vinyl chloride	2.5		1.0	0.50	ug/L			06/11/20 02:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 02:41	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G23

Lab Sample ID: 680-184447-17

Date Collected: 05/28/20 15:25

Matrix: Water

Date Received: 05/30/20 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		80 - 120		06/11/20 02:41	1
Dibromofluoromethane (Surr)	108		80 - 122		06/11/20 02:41	1
1,2-Dichloroethane-d4 (Surr)	103		73 - 131		06/11/20 02:41	1
Toluene-d8 (Surr)	111		80 - 120		06/11/20 02:41	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethane	3.0		1.1	0.55	ug/L			06/04/20 16:15	1
Ethene	0.79	J	1.0	0.50	ug/L			06/04/20 16:15	1
Methane (TCD)	960		390	39	ug/L			06/04/20 16:15	1

Client Sample ID: OLF-G12

Lab Sample ID: 680-184447-18

Date Collected: 05/29/20 12:01

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 16:11	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 16:11	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 16:11	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 16:11	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 16:11	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 16:11	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/11/20 16:11	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 16:11	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 16:11	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 16:11	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/11/20 16:11	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/11/20 16:11	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 16:11	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 16:11	1
cis-1,2-Dichloroethene	14		1.0	0.41	ug/L			06/11/20 16:11	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 16:11	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 16:11	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 16:11	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 16:11	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 16:11	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 16:11	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 16:11	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 16:11	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 16:11	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 16:11	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 16:11	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 16:11	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 16:11	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 16:11	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 16:11	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 16:11	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 16:11	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 16:11	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 16:11	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G12

Lab Sample ID: 680-184447-18

Date Collected: 05/29/20 12:01

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 16:11	1
1,1,2,2-Tetrachloroethane	130		1.0	0.62	ug/L			06/11/20 16:11	1
Tetrachloroethylene	1.1	*	1.0	0.74	ug/L			06/11/20 16:11	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 16:11	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 16:11	1
trans-1,2-Dichloroethene	6.6		1.0	0.37	ug/L			06/11/20 16:11	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 16:11	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 16:11	1
1,1,2-Trichloroethane	3.0		1.0	0.33	ug/L			06/11/20 16:11	1
Trichloroethene	99		1.0	0.48	ug/L			06/11/20 16:11	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 16:11	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 16:11	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 16:11	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/11/20 16:11	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 16:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		06/11/20 16:11	1
Dibromofluoromethane (Surr)	105		80 - 122		06/11/20 16:11	1
1,2-Dichloroethane-d4 (Surr)	94		73 - 131		06/11/20 16:11	1
Toluene-d8 (Surr)	108		80 - 120		06/11/20 16:11	1

Method: RSK-175 - Dissolved Gases (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methane	0.54	J	0.58	0.29	ug/L			06/04/20 16:41	1
Ethane	0.55	U	1.1	0.55	ug/L			06/04/20 16:41	1
Ethene	0.50	U	1.0	0.50	ug/L			06/04/20 16:41	1

Client Sample ID: EB134

Lab Sample ID: 680-184447-19

Date Collected: 05/29/20 15:20

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 15:01	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 15:01	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 15:01	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 15:01	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 15:01	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 15:01	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/11/20 15:01	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 15:01	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 15:01	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 15:01	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/11/20 15:01	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/11/20 15:01	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 15:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 15:01	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/11/20 15:01	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 15:01	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: EB134

Lab Sample ID: 680-184447-19

Date Collected: 05/29/20 15:20

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 15:01	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 15:01	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 15:01	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 15:01	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 15:01	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 15:01	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 15:01	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 15:01	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 15:01	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 15:01	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 15:01	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 15:01	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 15:01	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 15:01	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 15:01	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 15:01	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 15:01	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 15:01	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 15:01	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/11/20 15:01	1
Tetrachloroethylene	0.74	U *	1.0	0.74	ug/L			06/11/20 15:01	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 15:01	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 15:01	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/11/20 15:01	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 15:01	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 15:01	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/11/20 15:01	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/11/20 15:01	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 15:01	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 15:01	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 15:01	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/11/20 15:01	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		80 - 120		06/11/20 15:01	1
Dibromofluoromethane (Surr)	105		80 - 122		06/11/20 15:01	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131		06/11/20 15:01	1
Toluene-d8 (Surr)	109		80 - 120		06/11/20 15:01	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			06/04/20 16:54	1
Ethene	0.50	U	1.0	0.50	ug/L			06/04/20 16:54	1
Methane	0.29	U	0.58	0.29	ug/L			06/04/20 16:54	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			06/03/20 23:37	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			06/03/20 23:37	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: MB104

Lab Sample ID: 680-184447-20

Date Collected: 05/29/20 15:30

Matrix: Water

Date Received: 05/30/20 10:00

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			06/11/20 16:34	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 16:34	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 16:34	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 16:34	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 16:34	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 16:34	1
Bromomethane	2.5	U *	5.0	2.5	ug/L			06/11/20 16:34	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 16:34	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 16:34	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 16:34	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/11/20 16:34	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/11/20 16:34	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 16:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 16:34	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/11/20 16:34	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 16:34	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 16:34	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 16:34	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 16:34	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 16:34	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 16:34	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 16:34	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 16:34	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 16:34	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 16:34	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 16:34	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 16:34	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 16:34	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 16:34	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 16:34	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 16:34	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 16:34	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 16:34	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 16:34	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 16:34	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/11/20 16:34	1
Tetrachloroethylene	0.74	U *	1.0	0.74	ug/L			06/11/20 16:34	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 16:34	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 16:34	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/11/20 16:34	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 16:34	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 16:34	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/11/20 16:34	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/11/20 16:34	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 16:34	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 16:34	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 16:34	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/11/20 16:34	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 16:34	1

Eurofins TestAmerica, Savannah

Client Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: MB104

Lab Sample ID: 680-184447-20

Date Collected: 05/29/20 15:30

Matrix: Water

Date Received: 05/30/20 10:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		06/11/20 16:34	1
Dibromofluoromethane (Surr)	106		80 - 122		06/11/20 16:34	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		06/11/20 16:34	1
Toluene-d8 (Surr)	108		80 - 120		06/11/20 16:34	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			06/04/20 17:07	1
Ethene	0.50	U	1.0	0.50	ug/L			06/04/20 17:07	1
Methane	0.29	U	0.58	0.29	ug/L			06/04/20 17:07	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			06/03/20 23:52	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			06/03/20 23:52	1

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-621514/8

Matrix: Water

Analysis Batch: 621514

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			06/06/20 16:20	1
Acrylonitrile	10	U	20	10	ug/L			06/06/20 16:20	1
Benzene	0.43	U	1.0	0.43	ug/L			06/06/20 16:20	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/06/20 16:20	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/06/20 16:20	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/06/20 16:20	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/06/20 16:20	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/06/20 16:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/06/20 16:20	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/06/20 16:20	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/06/20 16:20	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/06/20 16:20	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/06/20 16:20	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/06/20 16:20	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/06/20 16:20	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/06/20 16:20	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/06/20 16:20	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/06/20 16:20	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/06/20 16:20	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/06/20 16:20	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/06/20 16:20	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/06/20 16:20	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/06/20 16:20	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/06/20 16:20	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/06/20 16:20	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/06/20 16:20	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/06/20 16:20	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/06/20 16:20	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/06/20 16:20	1
Iodomethane	5.0	U	10	5.0	ug/L			06/06/20 16:20	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/06/20 16:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/06/20 16:20	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/06/20 16:20	1
Styrene	0.27	U	1.0	0.27	ug/L			06/06/20 16:20	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 16:20	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/06/20 16:20	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/06/20 16:20	1
Toluene	0.48	U	1.0	0.48	ug/L			06/06/20 16:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/06/20 16:20	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/06/20 16:20	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/06/20 16:20	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 16:20	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/06/20 16:20	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/06/20 16:20	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/06/20 16:20	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/06/20 16:20	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/06/20 16:20	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/06/20 16:20	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-621514/8

Matrix: Water

Analysis Batch: 621514

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/06/20 16:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		80 - 120					06/06/20 16:20	1
Dibromofluoromethane (Surr)	106		80 - 122					06/06/20 16:20	1
1,2-Dichloroethane-d4 (Surr)	100		73 - 131					06/06/20 16:20	1
Toluene-d8 (Surr)	112		80 - 120					06/06/20 16:20	1

Lab Sample ID: LCS 680-621514/3

Matrix: Water

Analysis Batch: 621514

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	248		ug/L		99	70 - 135
Acrylonitrile	500	496		ug/L		99	80 - 123
Benzene	50.0	49.9		ug/L		100	80 - 120
Bromochloromethane	50.0	47.4		ug/L		95	80 - 120
Bromodichloromethane	50.0	53.0		ug/L		106	80 - 120
Bromoform	50.0	52.6		ug/L		105	74 - 126
Bromomethane	50.0	74.0	*	ug/L		148	62 - 130
2-Butanone (MEK)	250	228		ug/L		91	80 - 131
Carbon disulfide	50.0	48.9		ug/L		98	80 - 120
Carbon tetrachloride	50.0	49.8		ug/L		100	76 - 123
Chlorobenzene	50.0	50.3		ug/L		101	80 - 120
Chloroethane	50.0	120	*	ug/L		240	66 - 135
Chloroform	50.0	51.6		ug/L		103	80 - 120
Chloromethane	50.0	40.2		ug/L		80	69 - 131
cis-1,2-Dichloroethene	50.0	55.0		ug/L		110	80 - 120
cis-1,3-Dichloropropene	50.0	55.3		ug/L		111	80 - 120
Dibromochloromethane	50.0	53.3		ug/L		107	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	51.3		ug/L		103	71 - 134
1,2-Dibromoethane	50.0	54.3		ug/L		109	80 - 120
Dibromomethane	50.0	53.4		ug/L		107	80 - 120
1,2-Dichlorobenzene	50.0	50.4		ug/L		101	80 - 120
1,4-Dichlorobenzene	50.0	50.0		ug/L		100	80 - 120
1,1-Dichloroethane	50.0	50.1		ug/L		100	80 - 120
1,2-Dichloroethane	50.0	53.1		ug/L		106	80 - 120
1,1-Dichloroethene	50.0	52.0		ug/L		104	76 - 120
1,2-Dichloropropane	50.0	53.6		ug/L		107	80 - 120
1,3-Dichloropropane	50.0	51.9		ug/L		104	80 - 120
Ethylbenzene	50.0	50.7		ug/L		101	80 - 120
2-Hexanone	250	240		ug/L		96	74 - 127
Iodomethane	50.0	40.0		ug/L		80	52 - 142
Methylene Chloride	50.0	47.2		ug/L		94	80 - 120
4-Methyl-2-pentanone (MIBK)	250	271		ug/L		108	76 - 124
Methyl tert-butyl ether	50.0	51.0		ug/L		102	80 - 120
Styrene	50.0	50.6		ug/L		101	80 - 120
1,1,1,2-Tetrachloroethane	50.0	52.0		ug/L		104	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCS 680-621514/3

Matrix: Water

Analysis Batch: 621514

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	50.1		ug/L		100	80 - 120
Tetrachloroethylene	50.0	51.0		ug/L		102	80 - 121
Toluene	50.0	51.3		ug/L		103	80 - 113
trans-1,4-Dichloro-2-butene	50.0	54.6		ug/L		109	68 - 125
trans-1,2-Dichloroethene	50.0	50.6		ug/L		101	80 - 120
trans-1,3-Dichloropropene	50.0	51.8		ug/L		104	80 - 120
1,1,1-Trichloroethane	50.0	50.5		ug/L		101	80 - 120
1,1,2-Trichloroethane	50.0	52.2		ug/L		104	80 - 120
Trichloroethene	50.0	51.6		ug/L		103	80 - 120
Trichlorofluoromethane	50.0	55.4		ug/L		111	60 - 141
1,2,3-Trichloropropane	50.0	54.2		ug/L		108	80 - 123
Vinyl acetate	101	102		ug/L		101	67 - 135
Vinyl chloride	50.0	49.0		ug/L		98	71 - 128
Xylenes, Total	100	103		ug/L		103	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	108		80 - 122
1,2-Dichloroethane-d4 (Surr)	106		73 - 131
Toluene-d8 (Surr)	107		80 - 120

Lab Sample ID: LCSD 680-621514/4

Matrix: Water

Analysis Batch: 621514

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	70 - 135	4	30
Acrylonitrile	500	517		ug/L		103	80 - 123	4	20
Benzene	50.0	50.5		ug/L		101	80 - 120	1	20
Bromochloromethane	50.0	48.7		ug/L		97	80 - 120	3	20
Bromodichloromethane	50.0	54.2		ug/L		108	80 - 120	2	20
Bromoform	50.0	52.7		ug/L		105	74 - 126	0	20
Bromomethane	50.0	75.7	*	ug/L		151	62 - 130	2	20
2-Butanone (MEK)	250	244		ug/L		98	80 - 131	7	20
Carbon disulfide	50.0	49.0		ug/L		98	80 - 120	0	20
Carbon tetrachloride	50.0	50.3		ug/L		101	76 - 123	1	20
Chlorobenzene	50.0	50.5		ug/L		101	80 - 120	0	20
Chloroethane	50.0	121	*	ug/L		243	66 - 135	1	20
Chloroform	50.0	52.8		ug/L		106	80 - 120	2	20
Chloromethane	50.0	44.7		ug/L		89	69 - 131	11	30
cis-1,2-Dichloroethene	50.0	55.6		ug/L		111	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	56.5		ug/L		113	80 - 120	2	20
Dibromochloromethane	50.0	55.3		ug/L		111	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	51.5		ug/L		103	71 - 134	0	20
1,2-Dibromoethane	50.0	56.7		ug/L		113	80 - 120	4	20
Dibromomethane	50.0	55.5		ug/L		111	80 - 120	4	20
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	80 - 120	0	20
1,4-Dichlorobenzene	50.0	49.5		ug/L		99	80 - 120	1	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-621514/4

Matrix: Water

Analysis Batch: 621514

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	51.3		ug/L		103	80 - 120	2	20
1,2-Dichloroethane	50.0	54.8		ug/L		110	80 - 120	3	50
1,1-Dichloroethene	50.0	51.3		ug/L		103	76 - 120	2	20
1,2-Dichloropropane	50.0	54.3		ug/L		109	80 - 120	1	20
1,3-Dichloropropane	50.0	53.5		ug/L		107	80 - 120	3	20
Ethylbenzene	50.0	50.3		ug/L		101	80 - 120	1	20
2-Hexanone	250	254		ug/L		102	74 - 127	6	20
Iodomethane	50.0	41.5		ug/L		83	52 - 142	4	30
Methylene Chloride	50.0	48.4		ug/L		97	80 - 120	2	20
4-Methyl-2-pentanone (MIBK)	250	284		ug/L		113	76 - 124	5	20
Methyl tert-butyl ether	50.0	52.7		ug/L		105	80 - 120	3	20
Styrene	50.0	50.3		ug/L		101	80 - 120	1	20
1,1,1,2-Tetrachloroethane	50.0	52.0		ug/L		104	80 - 121	0	20
1,1,2,2-Tetrachloroethane	50.0	50.1		ug/L		100	80 - 120	0	20
Tetrachloroethylene	50.0	52.5		ug/L		105	80 - 121	3	20
Toluene	50.0	53.2		ug/L		106	80 - 113	4	20
trans-1,4-Dichloro-2-butene	50.0	54.7		ug/L		109	68 - 125	0	30
trans-1,2-Dichloroethene	50.0	52.4		ug/L		105	80 - 120	4	20
trans-1,3-Dichloropropene	50.0	54.5		ug/L		109	80 - 120	5	30
1,1,1-Trichloroethane	50.0	50.9		ug/L		102	80 - 120	1	20
1,1,2-Trichloroethane	50.0	53.6		ug/L		107	80 - 120	3	20
Trichloroethene	50.0	52.4		ug/L		105	80 - 120	2	20
Trichlorofluoromethane	50.0	55.4		ug/L		111	60 - 141	0	20
1,2,3-Trichloropropane	50.0	53.8		ug/L		108	80 - 123	1	30
Vinyl acetate	101	104		ug/L		103	67 - 135	2	20
Vinyl chloride	50.0	49.3		ug/L		99	71 - 128	1	20
Xylenes, Total	100	103		ug/L		103	80 - 120	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	113		80 - 122
1,2-Dichloroethane-d4 (Surr)	109		73 - 131
Toluene-d8 (Surr)	107		80 - 120

Lab Sample ID: MB 680-621520/8

Matrix: Water

Analysis Batch: 621520

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			06/06/20 16:44	1
Acrylonitrile	10	U	20	10	ug/L			06/06/20 16:44	1
Benzene	0.43	U	1.0	0.43	ug/L			06/06/20 16:44	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/06/20 16:44	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/06/20 16:44	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/06/20 16:44	1
Bromomethane	4.44	J	5.0	2.5	ug/L			06/06/20 16:44	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/06/20 16:44	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/06/20 16:44	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-621520/8

Matrix: Water

Analysis Batch: 621520

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			06/06/20 16:44	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/06/20 16:44	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/06/20 16:44	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/06/20 16:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/06/20 16:44	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/06/20 16:44	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/06/20 16:44	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/06/20 16:44	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/06/20 16:44	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/06/20 16:44	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/06/20 16:44	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/06/20 16:44	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/06/20 16:44	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/06/20 16:44	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/06/20 16:44	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/06/20 16:44	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/06/20 16:44	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/06/20 16:44	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/06/20 16:44	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/06/20 16:44	1
Iodomethane	5.0	U	10	5.0	ug/L			06/06/20 16:44	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/06/20 16:44	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/06/20 16:44	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/06/20 16:44	1
Styrene	0.27	U	1.0	0.27	ug/L			06/06/20 16:44	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 16:44	1
1,1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/06/20 16:44	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/06/20 16:44	1
Toluene	0.48	U	1.0	0.48	ug/L			06/06/20 16:44	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/06/20 16:44	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/06/20 16:44	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/06/20 16:44	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/06/20 16:44	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/06/20 16:44	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/06/20 16:44	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/06/20 16:44	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/06/20 16:44	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/06/20 16:44	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/06/20 16:44	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/06/20 16:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		80 - 120		06/06/20 16:44	1
Dibromofluoromethane (Surr)	111		80 - 122		06/06/20 16:44	1
1,2-Dichloroethane-d4 (Surr)	99		73 - 131		06/06/20 16:44	1
Toluene-d8 (Surr)	114		80 - 120		06/06/20 16:44	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCS 680-621520/3

Matrix: Water

Analysis Batch: 621520

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	70 - 135
Acrylonitrile	500	492		ug/L		98	80 - 123
Benzene	50.0	52.8		ug/L		106	80 - 120
Bromochloromethane	50.0	57.0		ug/L		114	80 - 120
Bromodichloromethane	50.0	52.2		ug/L		104	80 - 120
Bromoform	50.0	54.4		ug/L		109	74 - 126
Bromomethane	50.0	196	*	ug/L		393	62 - 130
2-Butanone (MEK)	250	264		ug/L		105	80 - 131
Carbon disulfide	50.0	52.6		ug/L		105	80 - 120
Carbon tetrachloride	50.0	53.5		ug/L		107	76 - 123
Chlorobenzene	50.0	53.8		ug/L		108	80 - 120
Chloroethane	50.0	53.5		ug/L		107	66 - 135
Chloroform	50.0	51.4		ug/L		103	80 - 120
Chloromethane	50.0	46.7		ug/L		93	69 - 131
cis-1,2-Dichloroethene	50.0	48.9		ug/L		98	80 - 120
cis-1,3-Dichloropropene	50.0	53.5		ug/L		107	80 - 120
Dibromochloromethane	50.0	56.6		ug/L		113	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	50.4		ug/L		101	71 - 134
1,2-Dibromoethane	50.0	53.1		ug/L		106	80 - 120
Dibromomethane	50.0	51.9		ug/L		104	80 - 120
1,2-Dichlorobenzene	50.0	52.1		ug/L		104	80 - 120
1,4-Dichlorobenzene	50.0	51.1		ug/L		102	80 - 120
1,1-Dichloroethane	50.0	50.2		ug/L		100	80 - 120
1,2-Dichloroethane	50.0	51.0		ug/L		102	80 - 120
1,1-Dichloroethene	50.0	54.5		ug/L		109	76 - 120
1,2-Dichloropropane	50.0	51.5		ug/L		103	80 - 120
1,3-Dichloropropane	50.0	46.2		ug/L		92	80 - 120
Ethylbenzene	50.0	51.3		ug/L		103	80 - 120
2-Hexanone	250	208		ug/L		83	74 - 127
Iodomethane	50.0	53.6		ug/L		107	52 - 142
Methylene Chloride	50.0	47.2		ug/L		94	80 - 120
4-Methyl-2-pentanone (MIBK)	250	231		ug/L		92	76 - 124
Methyl tert-butyl ether	50.0	51.0		ug/L		102	80 - 120
Styrene	50.0	52.6		ug/L		105	80 - 120
1,1,1,2-Tetrachloroethane	50.0	57.0		ug/L		114	80 - 121
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/L		106	80 - 120
Tetrachloroethylene	50.0	58.4		ug/L		117	80 - 121
Toluene	50.0	53.4		ug/L		107	80 - 113
trans-1,4-Dichloro-2-butene	50.0	49.9		ug/L		100	68 - 125
trans-1,2-Dichloroethene	50.0	52.8		ug/L		106	80 - 120
trans-1,3-Dichloropropene	50.0	53.1		ug/L		106	80 - 120
1,1,1-Trichloroethane	50.0	50.4		ug/L		101	80 - 120
1,1,2-Trichloroethane	50.0	54.3		ug/L		109	80 - 120
Trichloroethene	50.0	51.8		ug/L		104	80 - 120
Trichlorofluoromethane	50.0	49.4		ug/L		99	60 - 141
1,2,3-Trichloropropane	50.0	50.1		ug/L		100	80 - 123
Vinyl acetate	101	102		ug/L		101	67 - 135
Vinyl chloride	50.0	50.1		ug/L		100	71 - 128

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCS 680-621520/3

Matrix: Water

Analysis Batch: 621520

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	101		ug/L		101	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	111		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		73 - 131
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: LCSD 680-621520/4

Matrix: Water

Analysis Batch: 621520

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	70 - 135	0	30
Acrylonitrile	500	490		ug/L		98	80 - 123	0	20
Benzene	50.0	53.3		ug/L		107	80 - 120	1	20
Bromochloromethane	50.0	56.7		ug/L		113	80 - 120	1	20
Bromodichloromethane	50.0	52.7		ug/L		105	80 - 120	1	20
Bromoform	50.0	54.9		ug/L		110	74 - 126	1	20
Bromomethane	50.0	192	*	ug/L		385	62 - 130	2	20
2-Butanone (MEK)	250	262		ug/L		105	80 - 131	1	20
Carbon disulfide	50.0	53.3		ug/L		107	80 - 120	1	20
Carbon tetrachloride	50.0	53.2		ug/L		106	76 - 123	0	20
Chlorobenzene	50.0	54.6		ug/L		109	80 - 120	2	20
Chloroethane	50.0	53.3		ug/L		107	66 - 135	0	20
Chloroform	50.0	51.7		ug/L		103	80 - 120	1	20
Chloromethane	50.0	47.6		ug/L		95	69 - 131	2	30
cis-1,2-Dichloroethene	50.0	49.2		ug/L		98	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	54.0		ug/L		108	80 - 120	1	20
Dibromochloromethane	50.0	57.9		ug/L		116	80 - 121	2	20
1,2-Dibromo-3-Chloropropane	50.0	50.8		ug/L		102	71 - 134	1	20
1,2-Dibromoethane	50.0	53.2		ug/L		106	80 - 120	0	20
Dibromomethane	50.0	51.7		ug/L		103	80 - 120	0	20
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120	0	20
1,4-Dichlorobenzene	50.0	52.1		ug/L		104	80 - 120	2	20
1,1-Dichloroethane	50.0	50.9		ug/L		102	80 - 120	1	20
1,2-Dichloroethane	50.0	51.4		ug/L		103	80 - 120	1	50
1,1-Dichloroethene	50.0	54.0		ug/L		108	76 - 120	1	20
1,2-Dichloropropane	50.0	51.5		ug/L		103	80 - 120	0	20
1,3-Dichloropropane	50.0	46.7		ug/L		93	80 - 120	1	20
Ethylbenzene	50.0	52.1		ug/L		104	80 - 120	2	20
2-Hexanone	250	210		ug/L		84	74 - 127	1	20
Iodomethane	50.0	54.7		ug/L		109	52 - 142	2	30
Methylene Chloride	50.0	47.2		ug/L		94	80 - 120	0	20
4-Methyl-2-pentanone (MIBK)	250	234		ug/L		94	76 - 124	1	20
Methyl tert-butyl ether	50.0	51.5		ug/L		103	80 - 120	1	20
Styrene	50.0	53.1		ug/L		106	80 - 120	1	20
1,1,1,2-Tetrachloroethane	50.0	56.3		ug/L		113	80 - 121	1	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-621520/4

Matrix: Water

Analysis Batch: 621520

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	53.7		ug/L		107	80 - 120	1	20
Tetrachloroethylene	50.0	58.9		ug/L		118	80 - 121	1	20
Toluene	50.0	54.8		ug/L		110	80 - 113	3	20
trans-1,4-Dichloro-2-butene	50.0	50.5		ug/L		101	68 - 125	1	30
trans-1,2-Dichloroethene	50.0	53.5		ug/L		107	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	53.5		ug/L		107	80 - 120	1	30
1,1,1-Trichloroethane	50.0	51.5		ug/L		103	80 - 120	2	20
1,1,2-Trichloroethane	50.0	54.7		ug/L		109	80 - 120	1	20
Trichloroethene	50.0	52.8		ug/L		106	80 - 120	2	20
Trichlorofluoromethane	50.0	49.5		ug/L		99	60 - 141	0	20
1,2,3-Trichloropropane	50.0	51.0		ug/L		102	80 - 123	2	30
Vinyl acetate	101	101		ug/L		100	67 - 135	1	20
Vinyl chloride	50.0	50.4		ug/L		101	71 - 128	1	20
Xylenes, Total	100	102		ug/L		102	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		80 - 120
Dibromofluoromethane (Surr)	112		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		73 - 131
Toluene-d8 (Surr)	110		80 - 120

Lab Sample ID: MB 680-621746/8

Matrix: Water

Analysis Batch: 621746

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			06/09/20 13:29	1
Acrylonitrile	10	U	20	10	ug/L			06/09/20 13:29	1
Benzene	0.43	U	1.0	0.43	ug/L			06/09/20 13:29	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/09/20 13:29	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/09/20 13:29	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/09/20 13:29	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/09/20 13:29	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/09/20 13:29	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/09/20 13:29	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/09/20 13:29	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/09/20 13:29	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/09/20 13:29	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/09/20 13:29	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/09/20 13:29	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/09/20 13:29	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/09/20 13:29	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/09/20 13:29	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/09/20 13:29	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/09/20 13:29	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/09/20 13:29	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/09/20 13:29	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/09/20 13:29	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-621746/8

Matrix: Water

Analysis Batch: 621746

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			06/09/20 13:29	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/09/20 13:29	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/09/20 13:29	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/09/20 13:29	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/09/20 13:29	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/09/20 13:29	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/09/20 13:29	1
Iodomethane	5.0	U	10	5.0	ug/L			06/09/20 13:29	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/09/20 13:29	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/09/20 13:29	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/09/20 13:29	1
Styrene	0.27	U	1.0	0.27	ug/L			06/09/20 13:29	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 13:29	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/09/20 13:29	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/09/20 13:29	1
Toluene	0.48	U	1.0	0.48	ug/L			06/09/20 13:29	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/09/20 13:29	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/09/20 13:29	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/09/20 13:29	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/09/20 13:29	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/09/20 13:29	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/09/20 13:29	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/09/20 13:29	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/09/20 13:29	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/09/20 13:29	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/09/20 13:29	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/09/20 13:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		80 - 120		06/09/20 13:29	1
Dibromofluoromethane (Surr)	105		80 - 122		06/09/20 13:29	1
1,2-Dichloroethane-d4 (Surr)	104		73 - 131		06/09/20 13:29	1
Toluene-d8 (Surr)	110		80 - 120		06/09/20 13:29	1

Lab Sample ID: LCS 680-621746/3

Matrix: Water

Analysis Batch: 621746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	244		ug/L		98	70 - 135
Acrylonitrile	500	476		ug/L		95	80 - 123
Benzene	50.0	48.8		ug/L		98	80 - 120
Bromochloromethane	50.0	45.3		ug/L		91	80 - 120
Bromodichloromethane	50.0	50.8		ug/L		102	80 - 120
Bromoform	50.0	49.3		ug/L		99	74 - 126
Bromomethane	50.0	81.3	*	ug/L		163	62 - 130
2-Butanone (MEK)	250	235		ug/L		94	80 - 131
Carbon disulfide	50.0	45.9		ug/L		92	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCS 680-621746/3

Matrix: Water

Analysis Batch: 621746

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	49.1		ug/L		98	76 - 123
Chlorobenzene	50.0	48.3		ug/L		97	80 - 120
Chloroethane	50.0	123	*	ug/L		245	66 - 135
Chloroform	50.0	49.7		ug/L		99	80 - 120
Chloromethane	50.0	47.5		ug/L		95	69 - 131
cis-1,2-Dichloroethene	50.0	52.4		ug/L		105	80 - 120
cis-1,3-Dichloropropene	50.0	52.6		ug/L		105	80 - 120
Dibromochloromethane	50.0	51.4		ug/L		103	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	49.4		ug/L		99	71 - 134
1,2-Dibromoethane	50.0	53.1		ug/L		106	80 - 120
Dibromomethane	50.0	51.4		ug/L		103	80 - 120
1,2-Dichlorobenzene	50.0	49.2		ug/L		98	80 - 120
1,4-Dichlorobenzene	50.0	49.0		ug/L		98	80 - 120
1,1-Dichloroethane	50.0	48.6		ug/L		97	80 - 120
1,2-Dichloroethane	50.0	49.1		ug/L		98	80 - 120
1,1-Dichloroethene	50.0	50.5		ug/L		101	76 - 120
1,2-Dichloropropane	50.0	51.6		ug/L		103	80 - 120
1,3-Dichloropropane	50.0	50.4		ug/L		101	80 - 120
Ethylbenzene	50.0	49.2		ug/L		98	80 - 120
2-Hexanone	250	239		ug/L		96	74 - 127
Iodomethane	50.0	53.3		ug/L		107	52 - 142
Methylene Chloride	50.0	43.9		ug/L		88	80 - 120
4-Methyl-2-pentanone (MIBK)	250	263		ug/L		105	76 - 124
Methyl tert-butyl ether	50.0	48.2		ug/L		96	80 - 120
Styrene	50.0	48.1		ug/L		96	80 - 120
1,1,1,2-Tetrachloroethane	50.0	49.8		ug/L		100	80 - 121
1,1,2,2-Tetrachloroethane	50.0	50.2		ug/L		100	80 - 120
Tetrachloroethylene	50.0	51.6		ug/L		103	80 - 121
Toluene	50.0	50.8		ug/L		102	80 - 113
trans-1,4-Dichloro-2-butene	50.0	49.8		ug/L		100	68 - 125
trans-1,2-Dichloroethene	50.0	49.1		ug/L		98	80 - 120
trans-1,3-Dichloropropene	50.0	50.5		ug/L		101	80 - 120
1,1,1-Trichloroethane	50.0	49.6		ug/L		99	80 - 120
1,1,2-Trichloroethane	50.0	50.2		ug/L		100	80 - 120
Trichloroethene	50.0	50.6		ug/L		101	80 - 120
Trichlorofluoromethane	50.0	52.4		ug/L		105	60 - 141
1,2,3-Trichloropropane	50.0	51.3		ug/L		103	80 - 123
Vinyl acetate	101	97.7		ug/L		97	67 - 135
Vinyl chloride	50.0	46.0		ug/L		92	71 - 128
Xylenes, Total	100	98.5		ug/L		99	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		80 - 120
Dibromofluoromethane (Surr)	106		80 - 122
1,2-Dichloroethane-d4 (Surr)	99		73 - 131
Toluene-d8 (Surr)	103		80 - 120

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-621746/4

Matrix: Water

Analysis Batch: 621746

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	251		ug/L		100	70 - 135	3	30
Acrylonitrile	500	487		ug/L		97	80 - 123	2	20
Benzene	50.0	48.5		ug/L		97	80 - 120	1	20
Bromochloromethane	50.0	46.0		ug/L		92	80 - 120	2	20
Bromodichloromethane	50.0	51.9		ug/L		104	80 - 120	2	20
Bromoform	50.0	51.0		ug/L		102	74 - 126	3	20
Bromomethane	50.0	84.8	*	ug/L		170	62 - 130	4	20
2-Butanone (MEK)	250	240		ug/L		96	80 - 131	2	20
Carbon disulfide	50.0	44.9		ug/L		90	80 - 120	2	20
Carbon tetrachloride	50.0	48.0		ug/L		96	76 - 123	2	20
Chlorobenzene	50.0	48.8		ug/L		98	80 - 120	1	20
Chloroethane	50.0	121	*	ug/L		243	66 - 135	1	20
Chloroform	50.0	49.5		ug/L		99	80 - 120	0	20
Chloromethane	50.0	43.1		ug/L		86	69 - 131	10	30
cis-1,2-Dichloroethene	50.0	52.6		ug/L		105	80 - 120	0	20
cis-1,3-Dichloropropene	50.0	53.8		ug/L		108	80 - 120	2	20
Dibromochloromethane	50.0	53.4		ug/L		107	80 - 121	4	20
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/L		99	71 - 134	0	20
1,2-Dibromoethane	50.0	54.4		ug/L		109	80 - 120	2	20
Dibromomethane	50.0	52.9		ug/L		106	80 - 120	3	20
1,2-Dichlorobenzene	50.0	48.6		ug/L		97	80 - 120	1	20
1,4-Dichlorobenzene	50.0	47.8		ug/L		96	80 - 120	2	20
1,1-Dichloroethane	50.0	48.2		ug/L		96	80 - 120	1	20
1,2-Dichloroethane	50.0	51.8		ug/L		104	80 - 120	5	50
1,1-Dichloroethene	50.0	49.9		ug/L		100	76 - 120	1	20
1,2-Dichloropropane	50.0	51.6		ug/L		103	80 - 120	0	20
1,3-Dichloropropane	50.0	52.2		ug/L		104	80 - 120	4	20
Ethylbenzene	50.0	48.9		ug/L		98	80 - 120	1	20
2-Hexanone	250	247		ug/L		99	74 - 127	3	20
Iodomethane	50.0	52.9		ug/L		106	52 - 142	1	30
Methylene Chloride	50.0	44.9		ug/L		90	80 - 120	2	20
4-Methyl-2-pentanone (MIBK)	250	276		ug/L		110	76 - 124	5	20
Methyl tert-butyl ether	50.0	50.0		ug/L		100	80 - 120	4	20
Styrene	50.0	48.7		ug/L		97	80 - 120	1	20
1,1,1,2-Tetrachloroethane	50.0	49.7		ug/L		99	80 - 121	0	20
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/L		101	80 - 120	0	20
Tetrachloroethylene	50.0	50.6		ug/L		101	80 - 121	2	20
Toluene	50.0	50.4		ug/L		101	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	53.0		ug/L		106	68 - 125	6	30
trans-1,2-Dichloroethene	50.0	49.5		ug/L		99	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	51.7		ug/L		103	80 - 120	2	30
1,1,1-Trichloroethane	50.0	48.5		ug/L		97	80 - 120	2	20
1,1,2-Trichloroethane	50.0	51.2		ug/L		102	80 - 120	2	20
Trichloroethene	50.0	50.3		ug/L		101	80 - 120	1	20
Trichlorofluoromethane	50.0	51.3		ug/L		103	60 - 141	2	20
1,2,3-Trichloropropane	50.0	53.4		ug/L		107	80 - 123	4	30
Vinyl acetate	101	99.5		ug/L		99	67 - 135	2	20
Vinyl chloride	50.0	45.0		ug/L		90	71 - 128	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-621746/4

Matrix: Water

Analysis Batch: 621746

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	100	99.7		ug/L		100	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	106		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		73 - 131
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: MB 680-621992/9

Matrix: Water

Analysis Batch: 621992

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			06/11/20 00:23	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 00:23	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 00:23	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 00:23	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 00:23	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 00:23	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/11/20 00:23	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 00:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 00:23	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 00:23	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/11/20 00:23	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/11/20 00:23	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 00:23	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 00:23	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/11/20 00:23	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 00:23	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 00:23	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 00:23	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 00:23	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 00:23	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 00:23	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 00:23	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 00:23	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 00:23	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 00:23	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 00:23	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 00:23	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 00:23	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 00:23	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 00:23	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 00:23	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 00:23	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 00:23	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 00:23	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 00:23	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-621992/9

Matrix: Water

Analysis Batch: 621992

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			06/11/20 00:23	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/11/20 00:23	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 00:23	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 00:23	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/11/20 00:23	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 00:23	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 00:23	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/11/20 00:23	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/11/20 00:23	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 00:23	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 00:23	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 00:23	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/11/20 00:23	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 00:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		80 - 120		06/11/20 00:23	1
Dibromofluoromethane (Surr)	106		80 - 122		06/11/20 00:23	1
1,2-Dichloroethane-d4 (Surr)	101		73 - 131		06/11/20 00:23	1
Toluene-d8 (Surr)	112		80 - 120		06/11/20 00:23	1

Lab Sample ID: LCS 680-621992/4

Matrix: Water

Analysis Batch: 621992

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	266		ug/L		106	70 - 135
Acrylonitrile	500	530		ug/L		106	80 - 123
Benzene	50.0	51.5		ug/L		103	80 - 120
Bromochloromethane	50.0	50.4		ug/L		101	80 - 120
Bromodichloromethane	50.0	54.7		ug/L		109	80 - 120
Bromoform	50.0	53.3		ug/L		107	74 - 126
Bromomethane	50.0	91.4	*	ug/L		183	62 - 130
2-Butanone (MEK)	250	255		ug/L		102	80 - 131
Carbon disulfide	50.0	46.3		ug/L		93	80 - 120
Carbon tetrachloride	50.0	48.0		ug/L		96	76 - 123
Chlorobenzene	50.0	51.6		ug/L		103	80 - 120
Chloroethane	50.0	122	*	ug/L		244	66 - 135
Chloroform	50.0	53.3		ug/L		107	80 - 120
Chloromethane	50.0	48.6		ug/L		97	69 - 131
cis-1,2-Dichloroethene	50.0	54.6		ug/L		109	80 - 120
cis-1,3-Dichloropropene	50.0	55.4		ug/L		111	80 - 120
Dibromochloromethane	50.0	56.8		ug/L		114	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	52.8		ug/L		106	71 - 134
1,2-Dibromoethane	50.0	58.4		ug/L		117	80 - 120
Dibromomethane	50.0	57.3		ug/L		115	80 - 120
1,2-Dichlorobenzene	50.0	52.0		ug/L		104	80 - 120
1,4-Dichlorobenzene	50.0	50.5		ug/L		101	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCS 680-621992/4

Matrix: Water

Analysis Batch: 621992

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	51.4		ug/L		103	80 - 120
1,2-Dichloroethane	50.0	55.3		ug/L		111	80 - 120
1,1-Dichloroethene	50.0	50.0		ug/L		100	76 - 120
1,2-Dichloropropane	50.0	55.5		ug/L		111	80 - 120
1,3-Dichloropropane	50.0	55.6		ug/L		111	80 - 120
Ethylbenzene	50.0	50.7		ug/L		101	80 - 120
2-Hexanone	250	260		ug/L		104	74 - 127
Iodomethane	50.0	55.2		ug/L		110	52 - 142
Methylene Chloride	50.0	49.6		ug/L		99	80 - 120
4-Methyl-2-pentanone (MIBK)	250	291		ug/L		117	76 - 124
Methyl tert-butyl ether	50.0	54.0		ug/L		108	80 - 120
Styrene	50.0	51.3		ug/L		103	80 - 120
1,1,1,2-Tetrachloroethane	50.0	53.1		ug/L		106	80 - 121
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/L		103	80 - 120
Tetrachloroethylene	50.0	50.3		ug/L		101	80 - 121
Toluene	50.0	53.5		ug/L		107	80 - 113
trans-1,4-Dichloro-2-butene	50.0	51.9		ug/L		104	68 - 125
trans-1,2-Dichloroethene	50.0	51.2		ug/L		102	80 - 120
trans-1,3-Dichloropropene	50.0	53.4		ug/L		107	80 - 120
1,1,1-Trichloroethane	50.0	49.2		ug/L		98	80 - 120
1,1,2-Trichloroethane	50.0	55.6		ug/L		111	80 - 120
Trichloroethene	50.0	52.9		ug/L		106	80 - 120
Trichlorofluoromethane	50.0	50.0		ug/L		100	60 - 141
1,2,3-Trichloropropane	50.0	55.5		ug/L		111	80 - 123
Vinyl acetate	101	80.0		ug/L		79	67 - 135
Vinyl chloride	50.0	46.5		ug/L		93	71 - 128
Xylenes, Total	100	103		ug/L		103	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		80 - 120
Dibromofluoromethane (Surr)	114		80 - 122
1,2-Dichloroethane-d4 (Surr)	110		73 - 131
Toluene-d8 (Surr)	107		80 - 120

Lab Sample ID: LCSD 680-621992/5

Matrix: Water

Analysis Batch: 621992

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	70 - 135	2	30
Acrylonitrile	500	513		ug/L		103	80 - 123	3	20
Benzene	50.0	51.6		ug/L		103	80 - 120	0	20
Bromochloromethane	50.0	49.2		ug/L		98	80 - 120	2	20
Bromodichloromethane	50.0	55.4		ug/L		111	80 - 120	1	20
Bromoform	50.0	53.0		ug/L		106	74 - 126	1	20
Bromomethane	50.0	96.3	*	ug/L		193	62 - 130	5	20
2-Butanone (MEK)	250	247		ug/L		99	80 - 131	3	20
Carbon disulfide	50.0	46.3		ug/L		93	80 - 120	0	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-621992/5

Matrix: Water

Analysis Batch: 621992

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon tetrachloride	50.0	47.7		ug/L		95	76 - 123	1	20
Chlorobenzene	50.0	51.6		ug/L		103	80 - 120	0	20
Chloroethane	50.0	123 *		ug/L		247	66 - 135	1	20
Chloroform	50.0	53.0		ug/L		106	80 - 120	1	20
Chloromethane	50.0	50.5		ug/L		101	69 - 131	4	30
cis-1,2-Dichloroethene	50.0	54.8		ug/L		110	80 - 120	0	20
cis-1,3-Dichloropropene	50.0	55.0		ug/L		110	80 - 120	1	20
Dibromochloromethane	50.0	55.7		ug/L		111	80 - 121	2	20
1,2-Dibromo-3-Chloropropane	50.0	52.8		ug/L		106	71 - 134	0	20
1,2-Dibromoethane	50.0	56.7		ug/L		113	80 - 120	3	20
Dibromomethane	50.0	56.1		ug/L		112	80 - 120	2	20
1,2-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120	1	20
1,4-Dichlorobenzene	50.0	51.5		ug/L		103	80 - 120	2	20
1,1-Dichloroethane	50.0	51.2		ug/L		102	80 - 120	0	20
1,2-Dichloroethane	50.0	54.9		ug/L		110	80 - 120	1	50
1,1-Dichloroethene	50.0	49.6		ug/L		99	76 - 120	1	20
1,2-Dichloropropane	50.0	56.3		ug/L		113	80 - 120	1	20
1,3-Dichloropropane	50.0	54.7		ug/L		109	80 - 120	2	20
Ethylbenzene	50.0	50.5		ug/L		101	80 - 120	0	20
2-Hexanone	250	253		ug/L		101	74 - 127	3	20
Iodomethane	50.0	56.1		ug/L		112	52 - 142	2	30
Methylene Chloride	50.0	49.5		ug/L		99	80 - 120	0	20
4-Methyl-2-pentanone (MIBK)	250	284		ug/L		113	76 - 124	3	20
Methyl tert-butyl ether	50.0	52.9		ug/L		106	80 - 120	2	20
Styrene	50.0	51.4		ug/L		103	80 - 120	0	20
1,1,1,2-Tetrachloroethane	50.0	53.3		ug/L		107	80 - 121	0	20
1,1,2,2-Tetrachloroethane	50.0	50.9		ug/L		102	80 - 120	2	20
Tetrachloroethylene	50.0	50.8		ug/L		102	80 - 121	1	20
Toluene	50.0	54.0		ug/L		108	80 - 113	1	20
trans-1,4-Dichloro-2-butene	50.0	51.6		ug/L		103	68 - 125	1	30
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	80 - 120	2	20
trans-1,3-Dichloropropene	50.0	53.0		ug/L		106	80 - 120	1	30
1,1,1-Trichloroethane	50.0	49.3		ug/L		99	80 - 120	0	20
1,1,2-Trichloroethane	50.0	54.4		ug/L		109	80 - 120	2	20
Trichloroethene	50.0	53.1		ug/L		106	80 - 120	0	20
Trichlorofluoromethane	50.0	50.6		ug/L		101	60 - 141	1	20
1,2,3-Trichloropropane	50.0	55.6		ug/L		111	80 - 123	0	30
Vinyl acetate	101	80.2		ug/L		80	67 - 135	0	20
Vinyl chloride	50.0	47.1		ug/L		94	71 - 128	1	20
Xylenes, Total	100	104		ug/L		104	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		80 - 120
Dibromofluoromethane (Surr)	113		80 - 122
1,2-Dichloroethane-d4 (Surr)	109		73 - 131
Toluene-d8 (Surr)	107		80 - 120

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: 680-184447-11 MS

Matrix: Water

Analysis Batch: 621992

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 F2	250	205		ug/L		82	60 - 154
Acrylonitrile	10	U F2	500	412		ug/L		82	72 - 132
Benzene	0.43	U F1 F2	50.0	46.5		ug/L		93	73 - 131
Bromochloromethane	0.45	U F2	50.0	42.5		ug/L		85	77 - 122
Bromodichloromethane	0.44	U F1 F2	50.0	46.6		ug/L		93	77 - 129
Bromoform	0.43	U F1 F2	50.0	45.2		ug/L		90	69 - 135
Bromomethane	2.5	U * F1 F2	50.0	82.7		ug/L		165	20 - 180
2-Butanone (MEK)	3.4	U F2	250	195		ug/L		78	75 - 133
Carbon disulfide	1.0	U F1 F2	50.0	44.8		ug/L		90	73 - 127
Carbon tetrachloride	0.33	U F1 F2	50.0	46.9		ug/L		94	75 - 130
Chlorobenzene	0.26	U F1 F2	50.0	46.9		ug/L		94	80 - 120
Chloroethane	2.5	U * F1 F2	50.0	117	F1	ug/L		233	50 - 151
Chloroform	0.50	U F1 F2	50.0	47.0		ug/L		94	79 - 122
Chloromethane	0.40	U F1 F2	50.0	46.8		ug/L		94	63 - 126
cis-1,2-Dichloroethene	11	F1 F2	50.0	58.6		ug/L		94	80 - 122
cis-1,3-Dichloropropene	0.40	U F2	50.0	45.4		ug/L		91	80 - 133
Dibromochloromethane	0.32	U F2	50.0	46.5		ug/L		93	71 - 136
1,2-Dibromo-3-Chloropropane	1.1	U F1 F2	50.0	44.2		ug/L		88	59 - 141
1,2-Dibromoethane	0.44	U F1 F2	50.0	46.9		ug/L		94	77 - 131
Dibromomethane	0.35	U F1 F2	50.0	46.1		ug/L		92	80 - 122
1,2-Dichlorobenzene	0.37	U F1 F2	50.0	44.8		ug/L		90	80 - 120
1,4-Dichlorobenzene	0.46	U F1 F2	50.0	45.0		ug/L		90	80 - 120
1,1-Dichloroethane	0.38	U F1 F2	50.0	46.6		ug/L		93	80 - 120
1,2-Dichloroethane	0.50	U F1	50.0	46.0		ug/L		92	75 - 130
1,1-Dichloroethene	0.36	U F1 F2	50.0	49.1		ug/L		98	74 - 125
1,2-Dichloropropane	0.67	U F1 F2	50.0	47.1		ug/L		94	80 - 123
1,3-Dichloropropane	0.34	U F1 F2	50.0	45.0		ug/L		90	78 - 127
Ethylbenzene	0.33	U F1 F2	50.0	47.3		ug/L		95	80 - 120
2-Hexanone	2.0	U F2	250	197		ug/L		79	70 - 141
Iodomethane	5.0	U F2	50.0	44.6		ug/L		89	15 - 162
Methylene Chloride	2.5	U F2	50.0	41.5		ug/L		83	76 - 129
4-Methyl-2-pentanone (MIBK)	2.1	U F2	250	223		ug/L		89	75 - 135
Methyl tert-butyl ether	0.30	U F2	50.0	43.3		ug/L		87	74 - 135
Styrene	0.27	U F1 F2	50.0	45.1		ug/L		90	80 - 122
1,1,1,2-Tetrachloroethane	0.37	U F1 F2	50.0	48.1		ug/L		96	80 - 120
1,1,2,2-Tetrachloroethane	180	F1 F2	50.0	195	F1	ug/L		37	72 - 128
Tetrachloroethylene	0.99	J F1 F2	50.0	47.4		ug/L		93	77 - 123
Toluene	0.48	U F1 F2	50.0	47.9		ug/L		96	80 - 122
trans-1,4-Dichloro-2-butene	0.51	U F2	50.0	41.2		ug/L		82	55 - 147
trans-1,2-Dichloroethene	4.9	F1 F2	50.0	52.9		ug/L		96	78 - 123
trans-1,3-Dichloropropene	0.42	U F2	50.0	42.7		ug/L		85	74 - 140
1,1,1-Trichloroethane	0.37	U F1 F2	50.0	48.1		ug/L		96	74 - 128
1,1,2-Trichloroethane	2.0	F1 F2	50.0	47.1		ug/L		90	79 - 125
Trichloroethene	83	F1 F2	50.0	125		ug/L		83	80 - 123
Trichlorofluoromethane	0.42	U F1 F2	50.0	52.9		ug/L		106	58 - 145
1,2,3-Trichloropropane	0.39	U F1 F2	50.0	47.7		ug/L		95	70 - 132
Vinyl acetate	0.81	U F2	101	74.6		ug/L		74	15 - 190
Vinyl chloride	0.50	U F1 F2	50.0	47.5		ug/L		95	68 - 132

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: 680-184447-11 MS

Matrix: Water

Analysis Batch: 621992

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
Xylenes, Total	0.23	U F1 F2	100	94.8		ug/L		95	80 - 120
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	103		80 - 120						
Dibromofluoromethane (Surr)	102		80 - 122						
1,2-Dichloroethane-d4 (Surr)	96		73 - 131						
Toluene-d8 (Surr)	107		80 - 120						

Lab Sample ID: 680-184447-11 MSD

Matrix: Water

Analysis Batch: 621992

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 F2	250	296	F2	ug/L		118	60 - 154	36	30
Acrylonitrile	10	U F2	500	589	F2	ug/L		118	72 - 132	35	20
Benzene	0.43	U F1 F2	50.0	66.3	F1 F2	ug/L		133	73 - 131	35	20
Bromochloromethane	0.45	U F2	50.0	59.7	F2	ug/L		119	77 - 122	34	20
Bromodichloromethane	0.44	U F1 F2	50.0	67.5	F1 F2	ug/L		135	77 - 129	37	20
Bromoform	0.43	U F1 F2	50.0	67.9	F1 F2	ug/L		136	69 - 135	40	20
Bromomethane	2.5	U * F1 F2	50.0	131	F1 F2	ug/L		263	20 - 180	45	20
2-Butanone (MEK)	3.4	U F2	250	269	F2	ug/L		108	75 - 133	32	20
Carbon disulfide	1.0	U F1 F2	50.0	65.3	F1 F2	ug/L		131	73 - 127	37	20
Carbon tetrachloride	0.33	U F1 F2	50.0	67.9	F1 F2	ug/L		136	75 - 130	37	20
Chlorobenzene	0.26	U F1 F2	50.0	70.2	F1 F2	ug/L		140	80 - 120	40	20
Chloroethane	2.5	U * F1 F2	50.0	167	F1 F2	ug/L		335	50 - 151	36	20
Chloroform	0.50	U F1 F2	50.0	67.5	F1 F2	ug/L		135	79 - 122	36	20
Chloromethane	0.40	U F1 F2	50.0	68.0	F1 F2	ug/L		136	63 - 126	37	30
cis-1,2-Dichloroethene	11	F1 F2	50.0	85.0	F1 F2	ug/L		147	80 - 122	37	20
cis-1,3-Dichloropropene	0.40	U F2	50.0	65.8	F2	ug/L		132	80 - 133	37	20
Dibromochloromethane	0.32	U F2	50.0	66.9	F2	ug/L		134	71 - 136	36	20
1,2-Dibromo-3-Chloropropane	1.1	U F1 F2	50.0	73.0	F1 F2	ug/L		146	59 - 141	49	20
1,2-Dibromoethane	0.44	U F1 F2	50.0	67.9	F1 F2	ug/L		136	77 - 131	37	20
Dibromomethane	0.35	U F1 F2	50.0	67.7	F1 F2	ug/L		135	80 - 122	38	20
1,2-Dichlorobenzene	0.37	U F1 F2	50.0	75.6	F1 F2	ug/L		151	80 - 120	51	20
1,4-Dichlorobenzene	0.46	U F1 F2	50.0	75.9	F1 F2	ug/L		152	80 - 120	51	20
1,1-Dichloroethane	0.38	U F1 F2	50.0	66.2	F1 F2	ug/L		132	80 - 120	35	20
1,2-Dichloroethane	0.50	U F1	50.0	66.0	F1	ug/L		132	75 - 130	36	50
1,1-Dichloroethene	0.36	U F1 F2	50.0	71.5	F1 F2	ug/L		143	74 - 125	37	20
1,2-Dichloropropane	0.67	U F1 F2	50.0	68.4	F1 F2	ug/L		137	80 - 123	37	20
1,3-Dichloropropane	0.34	U F1 F2	50.0	65.6	F1 F2	ug/L		131	78 - 127	37	20
Ethylbenzene	0.33	U F1 F2	50.0	71.6	F1 F2	ug/L		143	80 - 120	41	20
2-Hexanone	2.0	U F2	250	279	F2	ug/L		112	70 - 141	34	20
Iodomethane	5.0	U F2	50.0	68.7	F2	ug/L		137	15 - 162	42	30
Methylene Chloride	2.5	U F2	50.0	59.6	F2	ug/L		119	76 - 129	36	20
4-Methyl-2-pentanone (MIBK)	2.1	U F2	250	315	F2	ug/L		126	75 - 135	34	20
Methyl tert-butyl ether	0.30	U F2	50.0	61.6	F2	ug/L		123	74 - 135	35	20
Styrene	0.27	U F1 F2	50.0	68.2	F1 F2	ug/L		136	80 - 122	41	20
1,1,1,2-Tetrachloroethane	0.37	U F1 F2	50.0	71.4	F1 F2	ug/L		143	80 - 120	39	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: 680-184447-11 MSD

Matrix: Water

Analysis Batch: 621992

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
1,1,2,2-Tetrachloroethane	180	F1 F2	50.0	303	E F1 F2	ug/L		254	72 - 128	44	20
Tetrachloroethylene	0.99	J F1 F2	50.0	71.3	F1 F2	ug/L		141	77 - 123	40	20
Toluene	0.48	U F1 F2	50.0	68.8	F1 F2	ug/L		138	80 - 122	36	20
trans-1,4-Dichloro-2-butene	0.51	U F2	50.0	59.2	F2	ug/L		118	55 - 147	36	30
trans-1,2-Dichloroethene	4.9	F1 F2	50.0	75.2	F1 F2	ug/L		141	78 - 123	35	20
trans-1,3-Dichloropropene	0.42	U F2	50.0	61.9	F2	ug/L		124	74 - 140	37	30
1,1,1-Trichloroethane	0.37	U F1 F2	50.0	69.1	F1 F2	ug/L		138	74 - 128	36	20
1,1,2-Trichloroethane	2.0	F1 F2	50.0	67.2	F1 F2	ug/L		130	79 - 125	35	20
Trichloroethene	83	F1 F2	50.0	171	F1 F2	ug/L		177	80 - 123	32	20
Trichlorofluoromethane	0.42	U F1 F2	50.0	76.9	F1 F2	ug/L		154	58 - 145	37	20
1,2,3-Trichloropropane	0.39	U F1 F2	50.0	70.4	F1 F2	ug/L		141	70 - 132	38	30
Vinyl acetate	0.81	U F2	101	104	F2	ug/L		104	15 - 190	33	20
Vinyl chloride	0.50	U F1 F2	50.0	68.5	F1 F2	ug/L		137	68 - 132	36	20
Xylenes, Total	0.23	U F1 F2	100	143	F1 F2	ug/L		143	80 - 120	40	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	138	X	80 - 120
Dibromofluoromethane (Surr)	125	X	80 - 122
1,2-Dichloroethane-d4 (Surr)	116		73 - 131
Toluene-d8 (Surr)	132	X	80 - 120

Lab Sample ID: MB 680-622063/8

Matrix: Water

Analysis Batch: 622063

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	89.2		10	7.0	ug/L			06/11/20 13:14	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 13:14	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 13:14	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 13:14	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 13:14	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 13:14	1
Bromomethane	2.73	J	5.0	2.5	ug/L			06/11/20 13:14	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 13:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 13:14	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 13:14	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/11/20 13:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/11/20 13:14	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 13:14	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 13:14	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/11/20 13:14	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 13:14	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 13:14	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 13:14	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 13:14	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 13:14	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 13:14	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 13:14	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-622063/8

Matrix: Water

Analysis Batch: 622063

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			06/11/20 13:14	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 13:14	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 13:14	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 13:14	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 13:14	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 13:14	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 13:14	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 13:14	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 13:14	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 13:14	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 13:14	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 13:14	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 13:14	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/11/20 13:14	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/11/20 13:14	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 13:14	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 13:14	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/11/20 13:14	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 13:14	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 13:14	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/11/20 13:14	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/11/20 13:14	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 13:14	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 13:14	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 13:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/11/20 13:14	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		80 - 120		06/11/20 13:14	1
Dibromofluoromethane (Surr)	103		80 - 122		06/11/20 13:14	1
1,2-Dichloroethane-d4 (Surr)	95		73 - 131		06/11/20 13:14	1
Toluene-d8 (Surr)	111		80 - 120		06/11/20 13:14	1

Lab Sample ID: LCS 680-622063/3

Matrix: Water

Analysis Batch: 622063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	245		ug/L		98	70 - 135
Acrylonitrile	500	504		ug/L		101	80 - 123
Benzene	50.0	51.6		ug/L		103	80 - 120
Bromochloromethane	50.0	48.8		ug/L		98	80 - 120
Bromodichloromethane	50.0	53.8		ug/L		108	80 - 120
Bromoform	50.0	53.6		ug/L		107	74 - 126
Bromomethane	50.0	102	*	ug/L		204	62 - 130
2-Butanone (MEK)	250	238		ug/L		95	80 - 131
Carbon disulfide	50.0	50.4		ug/L		101	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCS 680-622063/3

Matrix: Water

Analysis Batch: 622063

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	51.9		ug/L		104	76 - 123
Chlorobenzene	50.0	52.9		ug/L		106	80 - 120
Chloroethane	50.0	126	*	ug/L		251	66 - 135
Chloroform	50.0	52.7		ug/L		105	80 - 120
Chloromethane	50.0	50.6		ug/L		101	69 - 131
cis-1,2-Dichloroethene	50.0	56.6		ug/L		113	80 - 120
cis-1,3-Dichloropropene	50.0	56.1		ug/L		112	80 - 120
Dibromochloromethane	50.0	54.7		ug/L		109	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	51.0		ug/L		102	71 - 134
1,2-Dibromoethane	50.0	56.1		ug/L		112	80 - 120
Dibromomethane	50.0	54.8		ug/L		110	80 - 120
1,2-Dichlorobenzene	50.0	52.1		ug/L		104	80 - 120
1,4-Dichlorobenzene	50.0	52.3		ug/L		105	80 - 120
1,1-Dichloroethane	50.0	51.7		ug/L		103	80 - 120
1,2-Dichloroethane	50.0	53.7		ug/L		107	80 - 120
1,1-Dichloroethene	50.0	53.6		ug/L		107	76 - 120
1,2-Dichloropropane	50.0	54.7		ug/L		109	80 - 120
1,3-Dichloropropane	50.0	53.1		ug/L		106	80 - 120
Ethylbenzene	50.0	53.9		ug/L		108	80 - 120
2-Hexanone	250	238		ug/L		95	74 - 127
Iodomethane	50.0	55.1		ug/L		110	52 - 142
Methylene Chloride	50.0	48.9		ug/L		98	80 - 120
4-Methyl-2-pentanone (MIBK)	250	271		ug/L		108	76 - 124
Methyl tert-butyl ether	50.0	51.2		ug/L		102	80 - 120
Styrene	50.0	53.4		ug/L		107	80 - 120
1,1,1,2-Tetrachloroethane	50.0	54.9		ug/L		110	80 - 121
1,1,2,2-Tetrachloroethane	50.0	51.4		ug/L		103	80 - 120
Tetrachloroethylene	50.0	54.2		ug/L		108	80 - 121
Toluene	50.0	53.9		ug/L		108	80 - 113
trans-1,4-Dichloro-2-butene	50.0	51.9		ug/L		104	68 - 125
trans-1,2-Dichloroethene	50.0	53.3		ug/L		107	80 - 120
trans-1,3-Dichloropropene	50.0	52.8		ug/L		106	80 - 120
1,1,1-Trichloroethane	50.0	52.5		ug/L		105	80 - 120
1,1,2-Trichloroethane	50.0	53.2		ug/L		106	80 - 120
Trichloroethene	50.0	53.6		ug/L		107	80 - 120
Trichlorofluoromethane	50.0	58.8		ug/L		118	60 - 141
1,2,3-Trichloropropane	50.0	55.3		ug/L		111	80 - 123
Vinyl acetate	101	101		ug/L		101	67 - 135
Vinyl chloride	50.0	51.8		ug/L		104	71 - 128
Xylenes, Total	100	110		ug/L		110	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	107		80 - 122
1,2-Dichloroethane-d4 (Surr)	102		73 - 131
Toluene-d8 (Surr)	108		80 - 120

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-622063/4

Matrix: Water

Analysis Batch: 622063

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	260		ug/L		104	70 - 135	6	30
Acrylonitrile	500	522		ug/L		104	80 - 123	3	20
Benzene	50.0	52.8		ug/L		106	80 - 120	2	20
Bromochloromethane	50.0	49.6		ug/L		99	80 - 120	2	20
Bromodichloromethane	50.0	54.8		ug/L		110	80 - 120	2	20
Bromoform	50.0	54.2		ug/L		108	74 - 126	1	20
Bromomethane	50.0	128	* *1	ug/L		257	62 - 130	23	20
2-Butanone (MEK)	250	241		ug/L		96	80 - 131	1	20
Carbon disulfide	50.0	51.2		ug/L		102	80 - 120	2	20
Carbon tetrachloride	50.0	54.4		ug/L		109	76 - 123	5	20
Chlorobenzene	50.0	53.4		ug/L		107	80 - 120	1	20
Chloroethane	50.0	129	*	ug/L		257	66 - 135	2	20
Chloroform	50.0	53.3		ug/L		107	80 - 120	1	20
Chloromethane	50.0	50.4		ug/L		101	69 - 131	0	30
cis-1,2-Dichloroethene	50.0	57.4		ug/L		115	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	57.6		ug/L		115	80 - 120	3	20
Dibromochloromethane	50.0	55.5		ug/L		111	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	51.5		ug/L		103	71 - 134	1	20
1,2-Dibromoethane	50.0	56.8		ug/L		114	80 - 120	1	20
Dibromomethane	50.0	55.7		ug/L		111	80 - 120	2	20
1,2-Dichlorobenzene	50.0	53.4		ug/L		107	80 - 120	2	20
1,4-Dichlorobenzene	50.0	52.0		ug/L		104	80 - 120	1	20
1,1-Dichloroethane	50.0	52.4		ug/L		105	80 - 120	1	20
1,2-Dichloroethane	50.0	55.1		ug/L		110	80 - 120	3	50
1,1-Dichloroethene	50.0	55.9		ug/L		112	76 - 120	4	20
1,2-Dichloropropane	50.0	55.6		ug/L		111	80 - 120	2	20
1,3-Dichloropropane	50.0	54.3		ug/L		109	80 - 120	2	20
Ethylbenzene	50.0	54.3		ug/L		109	80 - 120	1	20
2-Hexanone	250	245		ug/L		98	74 - 127	3	20
Iodomethane	50.0	57.6		ug/L		115	52 - 142	4	30
Methylene Chloride	50.0	49.7		ug/L		99	80 - 120	2	20
4-Methyl-2-pentanone (MIBK)	250	274		ug/L		110	76 - 124	1	20
Methyl tert-butyl ether	50.0	53.3		ug/L		107	80 - 120	4	20
Styrene	50.0	53.6		ug/L		107	80 - 120	0	20
1,1,1,2-Tetrachloroethane	50.0	55.0		ug/L		110	80 - 121	0	20
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/L		104	80 - 120	1	20
Tetrachloroethylene	50.0	55.8		ug/L		112	80 - 121	3	20
Toluene	50.0	55.3		ug/L		111	80 - 113	3	20
trans-1,4-Dichloro-2-butene	50.0	55.1		ug/L		110	68 - 125	6	30
trans-1,2-Dichloroethene	50.0	54.6		ug/L		109	80 - 120	2	20
trans-1,3-Dichloropropene	50.0	54.2		ug/L		108	80 - 120	3	30
1,1,1-Trichloroethane	50.0	53.9		ug/L		108	80 - 120	3	20
1,1,2-Trichloroethane	50.0	54.1		ug/L		108	80 - 120	2	20
Trichloroethene	50.0	54.2		ug/L		108	80 - 120	1	20
Trichlorofluoromethane	50.0	59.7		ug/L		119	60 - 141	2	20
1,2,3-Trichloropropane	50.0	55.6		ug/L		111	80 - 123	1	30
Vinyl acetate	101	104		ug/L		103	67 - 135	3	20
Vinyl chloride	50.0	53.1		ug/L		106	71 - 128	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-622063/4

Matrix: Water

Analysis Batch: 622063

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	110		ug/L		110	80 - 120	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		80 - 120
Dibromofluoromethane (Surr)	110		80 - 122
1,2-Dichloroethane-d4 (Surr)	103		73 - 131
Toluene-d8 (Surr)	108		80 - 120

Lab Sample ID: MB 680-622071/8

Matrix: Water

Analysis Batch: 622071

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			06/11/20 13:14	1
Acrylonitrile	10	U	20	10	ug/L			06/11/20 13:14	1
Benzene	0.43	U	1.0	0.43	ug/L			06/11/20 13:14	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/11/20 13:14	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/11/20 13:14	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/11/20 13:14	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/11/20 13:14	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/11/20 13:14	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/11/20 13:14	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/11/20 13:14	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/11/20 13:14	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/11/20 13:14	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/11/20 13:14	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/11/20 13:14	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/11/20 13:14	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/11/20 13:14	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/11/20 13:14	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/11/20 13:14	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/11/20 13:14	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/11/20 13:14	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/11/20 13:14	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/11/20 13:14	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/11/20 13:14	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/11/20 13:14	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/11/20 13:14	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/11/20 13:14	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/11/20 13:14	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/11/20 13:14	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/11/20 13:14	1
Iodomethane	5.0	U	10	5.0	ug/L			06/11/20 13:14	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/11/20 13:14	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/11/20 13:14	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/11/20 13:14	1
Styrene	0.27	U	1.0	0.27	ug/L			06/11/20 13:14	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 13:14	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-622071/8

Matrix: Water

Analysis Batch: 622071

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			06/11/20 13:14	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/11/20 13:14	1
Toluene	0.48	U	1.0	0.48	ug/L			06/11/20 13:14	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/11/20 13:14	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/11/20 13:14	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/11/20 13:14	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/11/20 13:14	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/11/20 13:14	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/11/20 13:14	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/11/20 13:14	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/11/20 13:14	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/11/20 13:14	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/11/20 13:14	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/11/20 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120		06/11/20 13:14	1
Dibromofluoromethane (Surr)	105		80 - 122		06/11/20 13:14	1
1,2-Dichloroethane-d4 (Surr)	92		73 - 131		06/11/20 13:14	1
Toluene-d8 (Surr)	109		80 - 120		06/11/20 13:14	1

Lab Sample ID: LCS 680-622071/3

Matrix: Water

Analysis Batch: 622071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	271		ug/L		108	70 - 135
Acrylonitrile	500	509		ug/L		102	80 - 123
Benzene	50.0	55.5		ug/L		111	80 - 120
Bromochloromethane	50.0	57.3		ug/L		115	80 - 120
Bromodichloromethane	50.0	53.4		ug/L		107	80 - 120
Bromoform	50.0	54.1		ug/L		108	74 - 126
Bromomethane	50.0	209	E *	ug/L		419	62 - 130
2-Butanone (MEK)	250	270		ug/L		108	80 - 131
Carbon disulfide	50.0	57.6		ug/L		115	80 - 120
Carbon tetrachloride	50.0	56.1		ug/L		112	76 - 123
Chlorobenzene	50.0	55.9		ug/L		112	80 - 120
Chloroethane	50.0	58.7		ug/L		117	66 - 135
Chloroform	50.0	52.3		ug/L		105	80 - 120
Chloromethane	50.0	53.3		ug/L		107	69 - 131
cis-1,2-Dichloroethene	50.0	51.2		ug/L		102	80 - 120
cis-1,3-Dichloropropene	50.0	55.9		ug/L		112	80 - 120
Dibromochloromethane	50.0	56.0		ug/L		112	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	50.7		ug/L		101	71 - 134
1,2-Dibromoethane	50.0	51.8		ug/L		104	80 - 120
Dibromomethane	50.0	51.3		ug/L		103	80 - 120
1,2-Dichlorobenzene	50.0	54.3		ug/L		109	80 - 120
1,4-Dichlorobenzene	50.0	53.4		ug/L		107	80 - 120

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCS 680-622071/3

Matrix: Water

Analysis Batch: 622071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	52.1		ug/L		104	80 - 120
1,2-Dichloroethane	50.0	50.3		ug/L		101	80 - 120
1,1-Dichloroethene	50.0	56.5		ug/L		113	76 - 120
1,2-Dichloropropane	50.0	53.4		ug/L		107	80 - 120
1,3-Dichloropropane	50.0	46.9		ug/L		94	80 - 120
Ethylbenzene	50.0	54.7		ug/L		109	80 - 120
2-Hexanone	250	210		ug/L		84	74 - 127
Iodomethane	50.0	56.9		ug/L		114	52 - 142
Methylene Chloride	50.0	49.0		ug/L		98	80 - 120
4-Methyl-2-pentanone (MIBK)	250	237		ug/L		95	76 - 124
Methyl tert-butyl ether	50.0	50.8		ug/L		102	80 - 120
Styrene	50.0	53.8		ug/L		108	80 - 120
1,1,1,2-Tetrachloroethane	50.0	57.4		ug/L		115	80 - 121
1,1,2,2-Tetrachloroethane	50.0	52.9		ug/L		106	80 - 120
Tetrachloroethylene	50.0	60.8	*	ug/L		122	80 - 121
Toluene	50.0	55.8		ug/L		112	80 - 113
trans-1,4-Dichloro-2-butene	50.0	44.5		ug/L		89	68 - 125
trans-1,2-Dichloroethene	50.0	55.4		ug/L		111	80 - 120
trans-1,3-Dichloropropene	50.0	53.2		ug/L		106	80 - 120
1,1,1-Trichloroethane	50.0	52.5		ug/L		105	80 - 120
1,1,2-Trichloroethane	50.0	55.2		ug/L		110	80 - 120
Trichloroethene	50.0	54.0		ug/L		108	80 - 120
Trichlorofluoromethane	50.0	52.5		ug/L		105	60 - 141
1,2,3-Trichloropropane	50.0	49.7		ug/L		99	80 - 123
Vinyl acetate	101	105		ug/L		104	67 - 135
Vinyl chloride	50.0	56.6		ug/L		113	71 - 128
Xylenes, Total	100	106		ug/L		106	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	107		80 - 122
1,2-Dichloroethane-d4 (Surr)	97		73 - 131
Toluene-d8 (Surr)	108		80 - 120

Lab Sample ID: LCSD 680-622071/5

Matrix: Water

Analysis Batch: 622071

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	273		ug/L		109	70 - 135	1	30
Acrylonitrile	500	526		ug/L		105	80 - 123	3	20
Benzene	50.0	55.1		ug/L		110	80 - 120	1	20
Bromochloromethane	50.0	57.3		ug/L		115	80 - 120	0	20
Bromodichloromethane	50.0	53.3		ug/L		107	80 - 120	0	20
Bromoform	50.0	55.2		ug/L		110	74 - 126	2	20
Bromomethane	50.0	213	E *	ug/L		427	62 - 130	2	20
2-Butanone (MEK)	250	279		ug/L		112	80 - 131	4	20
Carbon disulfide	50.0	56.4		ug/L		113	80 - 120	2	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-622071/5

Matrix: Water

Analysis Batch: 622071

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	55.2		ug/L		110	76 - 123	2	20
Chlorobenzene	50.0	55.8		ug/L		112	80 - 120	0	20
Chloroethane	50.0	57.6		ug/L		115	66 - 135	2	20
Chloroform	50.0	51.7		ug/L		103	80 - 120	1	20
Chloromethane	50.0	52.9		ug/L		106	69 - 131	1	30
cis-1,2-Dichloroethene	50.0	50.2		ug/L		100	80 - 120	2	20
cis-1,3-Dichloropropene	50.0	55.5		ug/L		111	80 - 120	1	20
Dibromochloromethane	50.0	56.8		ug/L		114	80 - 121	1	20
1,2-Dibromo-3-Chloropropane	50.0	52.3		ug/L		105	71 - 134	3	20
1,2-Dibromoethane	50.0	53.6		ug/L		107	80 - 120	4	20
Dibromomethane	50.0	51.4		ug/L		103	80 - 120	0	20
1,2-Dichlorobenzene	50.0	54.8		ug/L		110	80 - 120	1	20
1,4-Dichlorobenzene	50.0	53.5		ug/L		107	80 - 120	0	20
1,1-Dichloroethane	50.0	52.1		ug/L		104	80 - 120	0	20
1,2-Dichloroethane	50.0	49.6		ug/L		99	80 - 120	1	50
1,1-Dichloroethene	50.0	56.4		ug/L		113	76 - 120	0	20
1,2-Dichloropropane	50.0	53.8		ug/L		108	80 - 120	1	20
1,3-Dichloropropane	50.0	47.2		ug/L		94	80 - 120	1	20
Ethylbenzene	50.0	54.3		ug/L		109	80 - 120	1	20
2-Hexanone	250	222		ug/L		89	74 - 127	5	20
Iodomethane	50.0	57.0		ug/L		114	52 - 142	0	30
Methylene Chloride	50.0	48.7		ug/L		97	80 - 120	1	20
4-Methyl-2-pentanone (MIBK)	250	246		ug/L		98	76 - 124	4	20
Methyl tert-butyl ether	50.0	52.0		ug/L		104	80 - 120	2	20
Styrene	50.0	53.8		ug/L		108	80 - 120	0	20
1,1,1,2-Tetrachloroethane	50.0	57.1		ug/L		114	80 - 121	1	20
1,1,2,2-Tetrachloroethane	50.0	53.8		ug/L		108	80 - 120	2	20
Tetrachloroethylene	50.0	60.5		ug/L		121	80 - 121	0	20
Toluene	50.0	56.1		ug/L		112	80 - 113	0	20
trans-1,4-Dichloro-2-butene	50.0	47.4		ug/L		95	68 - 125	6	30
trans-1,2-Dichloroethene	50.0	54.9		ug/L		110	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	53.6		ug/L		107	80 - 120	1	30
1,1,1-Trichloroethane	50.0	51.4		ug/L		103	80 - 120	2	20
1,1,2-Trichloroethane	50.0	56.1		ug/L		112	80 - 120	2	20
Trichloroethene	50.0	54.3		ug/L		109	80 - 120	1	20
Trichlorofluoromethane	50.0	51.4		ug/L		103	60 - 141	2	20
1,2,3-Trichloropropane	50.0	50.5		ug/L		101	80 - 123	2	30
Vinyl acetate	101	105		ug/L		104	67 - 135	0	20
Vinyl chloride	50.0	56.3		ug/L		113	71 - 128	1	20
Xylenes, Total	100	107		ug/L		107	80 - 120	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		80 - 120
Dibromofluoromethane (Surr)	106		80 - 122
1,2-Dichloroethane-d4 (Surr)	96		73 - 131
Toluene-d8 (Surr)	107		80 - 120

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-622267/8

Matrix: Water

Analysis Batch: 622267

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			06/12/20 13:18	1
Acrylonitrile	10	U	20	10	ug/L			06/12/20 13:18	1
Benzene	0.43	U	1.0	0.43	ug/L			06/12/20 13:18	1
Bromochloromethane	0.45	U	1.0	0.45	ug/L			06/12/20 13:18	1
Bromodichloromethane	0.44	U	1.0	0.44	ug/L			06/12/20 13:18	1
Bromoform	0.43	U	1.0	0.43	ug/L			06/12/20 13:18	1
Bromomethane	2.5	U	5.0	2.5	ug/L			06/12/20 13:18	1
2-Butanone (MEK)	3.4	U	10	3.4	ug/L			06/12/20 13:18	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			06/12/20 13:18	1
Carbon tetrachloride	0.33	U	1.0	0.33	ug/L			06/12/20 13:18	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			06/12/20 13:18	1
Chloroethane	2.5	U	5.0	2.5	ug/L			06/12/20 13:18	1
Chloroform	0.50	U	1.0	0.50	ug/L			06/12/20 13:18	1
Chloromethane	0.40	U	1.0	0.40	ug/L			06/12/20 13:18	1
cis-1,2-Dichloroethene	0.41	U	1.0	0.41	ug/L			06/12/20 13:18	1
cis-1,3-Dichloropropene	0.40	U	1.0	0.40	ug/L			06/12/20 13:18	1
Dibromochloromethane	0.32	U	1.0	0.32	ug/L			06/12/20 13:18	1
1,2-Dibromo-3-Chloropropane	1.1	U	5.0	1.1	ug/L			06/12/20 13:18	1
1,2-Dibromoethane	0.44	U	1.0	0.44	ug/L			06/12/20 13:18	1
Dibromomethane	0.35	U	1.0	0.35	ug/L			06/12/20 13:18	1
1,2-Dichlorobenzene	0.37	U	1.0	0.37	ug/L			06/12/20 13:18	1
1,4-Dichlorobenzene	0.46	U	1.0	0.46	ug/L			06/12/20 13:18	1
1,1-Dichloroethane	0.38	U	1.0	0.38	ug/L			06/12/20 13:18	1
1,2-Dichloroethane	0.50	U	1.0	0.50	ug/L			06/12/20 13:18	1
1,1-Dichloroethene	0.36	U	1.0	0.36	ug/L			06/12/20 13:18	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			06/12/20 13:18	1
1,3-Dichloropropane	0.34	U	1.0	0.34	ug/L			06/12/20 13:18	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			06/12/20 13:18	1
2-Hexanone	2.0	U	10	2.0	ug/L			06/12/20 13:18	1
Iodomethane	5.0	U	10	5.0	ug/L			06/12/20 13:18	1
Methylene Chloride	2.5	U	5.0	2.5	ug/L			06/12/20 13:18	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			06/12/20 13:18	1
Methyl tert-butyl ether	0.30	U	10	0.30	ug/L			06/12/20 13:18	1
Styrene	0.27	U	1.0	0.27	ug/L			06/12/20 13:18	1
1,1,1,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			06/12/20 13:18	1
1,1,2,2-Tetrachloroethane	0.62	U	1.0	0.62	ug/L			06/12/20 13:18	1
Tetrachloroethylene	0.74	U	1.0	0.74	ug/L			06/12/20 13:18	1
Toluene	0.48	U	1.0	0.48	ug/L			06/12/20 13:18	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			06/12/20 13:18	1
trans-1,2-Dichloroethene	0.37	U	1.0	0.37	ug/L			06/12/20 13:18	1
trans-1,3-Dichloropropene	0.42	U	1.0	0.42	ug/L			06/12/20 13:18	1
1,1,1-Trichloroethane	0.37	U	1.0	0.37	ug/L			06/12/20 13:18	1
1,1,2-Trichloroethane	0.33	U	1.0	0.33	ug/L			06/12/20 13:18	1
Trichloroethene	0.48	U	1.0	0.48	ug/L			06/12/20 13:18	1
Trichlorofluoromethane	0.42	U	1.0	0.42	ug/L			06/12/20 13:18	1
1,2,3-Trichloropropane	0.39	U	1.0	0.39	ug/L			06/12/20 13:18	1
Vinyl acetate	0.81	U	2.0	0.81	ug/L			06/12/20 13:18	1
Vinyl chloride	0.50	U	1.0	0.50	ug/L			06/12/20 13:18	1

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: MB 680-622267/8

Matrix: Water

Analysis Batch: 622267

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.23	U	1.0	0.23	ug/L			06/12/20 13:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		80 - 120					06/12/20 13:18	1
Dibromofluoromethane (Surr)	106		80 - 122					06/12/20 13:18	1
1,2-Dichloroethane-d4 (Surr)	93		73 - 131					06/12/20 13:18	1
Toluene-d8 (Surr)	110		80 - 120					06/12/20 13:18	1

Lab Sample ID: LCS 680-622267/3

Matrix: Water

Analysis Batch: 622267

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	267		ug/L		107	70 - 135
Acrylonitrile	500	510		ug/L		102	80 - 123
Benzene	50.0	54.4		ug/L		109	80 - 120
Bromochloromethane	50.0	55.4		ug/L		111	80 - 120
Bromodichloromethane	50.0	51.5		ug/L		103	80 - 120
Bromoform	50.0	47.4		ug/L		95	74 - 126
Bromomethane	50.0	193	*	ug/L		386	62 - 130
2-Butanone (MEK)	250	265		ug/L		106	80 - 131
Carbon disulfide	50.0	55.8		ug/L		112	80 - 120
Carbon tetrachloride	50.0	54.0		ug/L		108	76 - 123
Chlorobenzene	50.0	54.3		ug/L		109	80 - 120
Chloroethane	50.0	56.3		ug/L		113	66 - 135
Chloroform	50.0	50.8		ug/L		102	80 - 120
Chloromethane	50.0	52.7		ug/L		105	69 - 131
cis-1,2-Dichloroethene	50.0	49.7		ug/L		99	80 - 120
cis-1,3-Dichloropropene	50.0	54.9		ug/L		110	80 - 120
Dibromochloromethane	50.0	54.7		ug/L		109	80 - 121
1,2-Dibromo-3-Chloropropane	50.0	49.9		ug/L		100	71 - 134
1,2-Dibromoethane	50.0	52.0		ug/L		104	80 - 120
Dibromomethane	50.0	49.9		ug/L		100	80 - 120
1,2-Dichlorobenzene	50.0	53.1		ug/L		106	80 - 120
1,4-Dichlorobenzene	50.0	52.4		ug/L		105	80 - 120
1,1-Dichloroethane	50.0	51.0		ug/L		102	80 - 120
1,2-Dichloroethane	50.0	48.9		ug/L		98	80 - 120
1,1-Dichloroethene	50.0	55.2		ug/L		110	76 - 120
1,2-Dichloropropane	50.0	53.1		ug/L		106	80 - 120
1,3-Dichloropropane	50.0	46.9		ug/L		94	80 - 120
Ethylbenzene	50.0	52.7		ug/L		105	80 - 120
2-Hexanone	250	214		ug/L		86	74 - 127
Iodomethane	50.0	53.5		ug/L		107	52 - 142
Methylene Chloride	50.0	46.6		ug/L		93	80 - 120
4-Methyl-2-pentanone (MIBK)	250	240		ug/L		96	76 - 124
Methyl tert-butyl ether	50.0	49.9		ug/L		100	80 - 120
Styrene	50.0	52.0		ug/L		104	80 - 120
1,1,1,2-Tetrachloroethane	50.0	55.3		ug/L		111	80 - 121

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCS 680-622267/3

Matrix: Water

Analysis Batch: 622267

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	52.3		ug/L		105	80 - 120
Tetrachloroethylene	50.0	59.1		ug/L		118	80 - 121
Toluene	50.0	55.2		ug/L		110	80 - 113
trans-1,4-Dichloro-2-butene	50.0	41.9		ug/L		84	68 - 125
trans-1,2-Dichloroethene	50.0	53.5		ug/L		107	80 - 120
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	80 - 120
1,1,1-Trichloroethane	50.0	50.6		ug/L		101	80 - 120
1,1,2-Trichloroethane	50.0	54.8		ug/L		110	80 - 120
Trichloroethene	50.0	53.2		ug/L		106	80 - 120
Trichlorofluoromethane	50.0	50.8		ug/L		102	60 - 141
1,2,3-Trichloropropane	50.0	48.2		ug/L		96	80 - 123
Vinyl acetate	101	103		ug/L		103	67 - 135
Vinyl chloride	50.0	55.6		ug/L		111	71 - 128
Xylenes, Total	100	103		ug/L		103	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		80 - 120
Dibromofluoromethane (Surr)	105		80 - 122
1,2-Dichloroethane-d4 (Surr)	95		73 - 131
Toluene-d8 (Surr)	108		80 - 120

Lab Sample ID: LCSD 680-622267/4

Matrix: Water

Analysis Batch: 622267

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	278		ug/L		111	70 - 135	4	30
Acrylonitrile	500	529		ug/L		106	80 - 123	4	20
Benzene	50.0	53.9		ug/L		108	80 - 120	1	20
Bromochloromethane	50.0	56.8		ug/L		114	80 - 120	3	20
Bromodichloromethane	50.0	52.6		ug/L		105	80 - 120	2	20
Bromoform	50.0	49.0		ug/L		98	74 - 126	3	20
Bromomethane	50.0	194	*	ug/L		389	62 - 130	1	20
2-Butanone (MEK)	250	281		ug/L		113	80 - 131	6	20
Carbon disulfide	50.0	53.9		ug/L		108	80 - 120	3	20
Carbon tetrachloride	50.0	52.7		ug/L		105	76 - 123	2	20
Chlorobenzene	50.0	54.9		ug/L		110	80 - 120	1	20
Chloroethane	50.0	55.1		ug/L		110	66 - 135	2	20
Chloroform	50.0	50.5		ug/L		101	80 - 120	1	20
Chloromethane	50.0	51.1		ug/L		102	69 - 131	3	30
cis-1,2-Dichloroethene	50.0	49.3		ug/L		99	80 - 120	1	20
cis-1,3-Dichloropropene	50.0	55.6		ug/L		111	80 - 120	1	20
Dibromochloromethane	50.0	56.5		ug/L		113	80 - 121	3	20
1,2-Dibromo-3-Chloropropane	50.0	52.1		ug/L		104	71 - 134	4	20
1,2-Dibromoethane	50.0	53.3		ug/L		107	80 - 120	2	20
Dibromomethane	50.0	50.3		ug/L		101	80 - 120	1	20
1,2-Dichlorobenzene	50.0	52.9		ug/L		106	80 - 120	0	20
1,4-Dichlorobenzene	50.0	52.0		ug/L		104	80 - 120	1	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-622267/4

Matrix: Water

Analysis Batch: 622267

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	50.7		ug/L		101	80 - 120	1	20
1,2-Dichloroethane	50.0	49.9		ug/L		100	80 - 120	2	50
1,1-Dichloroethene	50.0	53.2		ug/L		106	76 - 120	4	20
1,2-Dichloropropane	50.0	53.1		ug/L		106	80 - 120	0	20
1,3-Dichloropropane	50.0	47.6		ug/L		95	80 - 120	1	20
Ethylbenzene	50.0	52.6		ug/L		105	80 - 120	0	20
2-Hexanone	250	224		ug/L		90	74 - 127	4	20
Iodomethane	50.0	53.9		ug/L		108	52 - 142	1	30
Methylene Chloride	50.0	46.8		ug/L		94	80 - 120	0	20
4-Methyl-2-pentanone (MIBK)	250	251		ug/L		100	76 - 124	5	20
Methyl tert-butyl ether	50.0	51.1		ug/L		102	80 - 120	2	20
Styrene	50.0	52.8		ug/L		106	80 - 120	2	20
1,1,1,2-Tetrachloroethane	50.0	56.2		ug/L		112	80 - 121	2	20
1,1,2,2-Tetrachloroethane	50.0	54.1		ug/L		108	80 - 120	3	20
Tetrachloroethylene	50.0	57.6		ug/L		115	80 - 121	3	20
Toluene	50.0	54.2		ug/L		108	80 - 113	2	20
trans-1,4-Dichloro-2-butene	50.0	44.0		ug/L		88	68 - 125	5	30
trans-1,2-Dichloroethene	50.0	52.7		ug/L		105	80 - 120	1	20
trans-1,3-Dichloropropene	50.0	53.3		ug/L		107	80 - 120	1	30
1,1,1-Trichloroethane	50.0	49.9		ug/L		100	80 - 120	1	20
1,1,2-Trichloroethane	50.0	56.3		ug/L		113	80 - 120	3	20
Trichloroethene	50.0	52.2		ug/L		104	80 - 120	2	20
Trichlorofluoromethane	50.0	48.7		ug/L		97	60 - 141	4	20
1,2,3-Trichloropropane	50.0	49.9		ug/L		100	80 - 123	3	30
Vinyl acetate	101	106		ug/L		105	67 - 135	2	20
Vinyl chloride	50.0	53.5		ug/L		107	71 - 128	4	20
Xylenes, Total	100	104		ug/L		104	80 - 120	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	106		80 - 122
1,2-Dichloroethane-d4 (Surr)	97		73 - 131
Toluene-d8 (Surr)	107		80 - 120

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

Lab Sample ID: 680-184447-16 MS

Matrix: Water

Analysis Batch: 622267

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 - RA	7.0	U F1 F2	250	280	H	ug/L		112	60 - 154
Acrylonitrile - RA	10	U F1 F2	500	498	H	ug/L		100	72 - 132
Benzene - RA	0.43	U F1 F2	50.0	59.0	H	ug/L		118	73 - 131
Bromochloromethane - RA	0.45	U F1 F2	50.0	58.6	H	ug/L		117	77 - 122
Bromodichloromethane - RA	0.44	U F1 F2	50.0	53.3	H	ug/L		107	77 - 129
Bromoform - RA	0.43	U F1 F2	50.0	47.9	H	ug/L		96	69 - 135
Bromomethane - RA	2.5	U * F1 F2	50.0	209	H E F1	ug/L		418	20 - 180
2-Butanone (MEK) - RA	3.4	U F1 F2	250	247	H	ug/L		99	75 - 133

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: 680-184447-16 MS

Matrix: Water

Analysis Batch: 622267

Client Sample ID: OLF-G42

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon disulfide - RA	1.0	U F1 F2	50.0	62.2	H	ug/L		124	73 - 127
Carbon tetrachloride - RA	0.33	U F1 F2	50.0	58.3	H	ug/L		117	75 - 130
Chlorobenzene - RA	0.26	U F1 F2	50.0	59.7	H	ug/L		119	80 - 120
Chloroethane - RA	2.5	U * F1 F2	50.0	64.3	H	ug/L		129	50 - 151
Chloroform - RA	0.50	U F1 F2	50.0	54.7	H	ug/L		109	79 - 122
Chloromethane - RA	0.40	U F1 F2	50.0	58.6	H	ug/L		117	63 - 126
cis-1,2-Dichloroethene - RA	3.0	F1 F2	50.0	57.0	H	ug/L		108	80 - 122
cis-1,3-Dichloropropene - RA	0.40	U F1 F2	50.0	54.8	H	ug/L		110	80 - 133
Dibromochloromethane - RA	0.32	U F1 F2	50.0	55.7	H	ug/L		111	71 - 136
1,2-Dibromo-3-Chloropropane - RA	1.1	U F1 F2	50.0	46.9	H	ug/L		94	59 - 141
1,2-Dibromoethane - RA	0.44	U F1 F2	50.0	51.9	H	ug/L		104	77 - 131
Dibromomethane - RA	0.35	U F1 F2	50.0	50.8	H	ug/L		102	80 - 122
1,2-Dichlorobenzene - RA	0.37	U F1 F2	50.0	53.7	H	ug/L		107	80 - 120
1,4-Dichlorobenzene - RA	0.46	U F1 F2	50.0	55.0	H	ug/L		110	80 - 120
1,1-Dichloroethane - RA	0.38	U F1 F2	50.0	55.7	H	ug/L		111	80 - 120
1,2-Dichloroethane - RA	0.50	U F1	50.0	51.0	H	ug/L		102	75 - 130
1,1-Dichloroethene - RA	0.36	U F1 F2	50.0	61.8	H	ug/L		124	74 - 125
1,2-Dichloropropane - RA	0.67	U F1 F2	50.0	55.8	H	ug/L		112	80 - 123
1,3-Dichloropropane - RA	0.34	U F1 F2	50.0	46.8	H	ug/L		94	78 - 127
Ethylbenzene - RA	0.33	U F1 F2	50.0	57.8	H	ug/L		116	80 - 120
2-Hexanone - RA	2.0	U F1 F2	250	206	H	ug/L		82	70 - 141
Iodomethane - RA	5.0	U F1 F2	50.0	58.3	H	ug/L		117	15 - 162
Methylene Chloride - RA	2.5	U F1 F2	50.0	49.7	H	ug/L		99	76 - 129
4-Methyl-2-pentanone (MIBK) - RA	2.1	U F1 F2	250	233	H	ug/L		93	75 - 135
Methyl tert-butyl ether - RA	0.30	U F1 F2	50.0	49.5	H	ug/L		99	74 - 135
Styrene - RA	0.27	U F1 F2	50.0	55.0	H	ug/L		110	80 - 122
1,1,1,2-Tetrachloroethane - RA	0.37	U F1 F2	50.0	58.8	H	ug/L		118	80 - 120
1,1,2,2-Tetrachloroethane - RA	1.4	F1 F2	50.0	52.8	H	ug/L		103	72 - 128
Tetrachloroethylene - RA	0.74	U F1 F2	50.0	62.0	H F1	ug/L		124	77 - 123
Toluene - RA	0.48	U F1 F2	50.0	58.8	H	ug/L		118	80 - 122
trans-1,4-Dichloro-2-butene - RA	0.51	U F1 F2	50.0	43.0	H	ug/L		86	55 - 147
trans-1,2-Dichloroethene - RA	0.50	J F1 F2	50.0	59.8	H	ug/L		119	78 - 123
trans-1,3-Dichloropropene - RA	0.42	U F1 F2	50.0	52.2	H	ug/L		104	74 - 140
1,1,1-Trichloroethane - RA	0.37	U F1 F2	50.0	55.7	H	ug/L		111	74 - 128
1,1,2-Trichloroethane - RA	0.33	U F1 F2	50.0	55.3	H	ug/L		111	79 - 125
Trichloroethene - RA	9.3	F1 F2	50.0	68.6	H	ug/L		118	80 - 123
Trichlorofluoromethane - RA	0.42	U F1 F2	50.0	57.0	H	ug/L		114	58 - 145
1,2,3-Trichloropropane - RA	0.39	U F1 F2	50.0	49.2	H	ug/L		98	70 - 132
Vinyl acetate - RA	0.81	U F2	101	101	H	ug/L		100	15 - 190
Vinyl chloride - RA	1.8	F1 F2	50.0	65.1	H	ug/L		127	68 - 132
Xylenes, Total - RA	0.23	U F1 F2	100	111	H	ug/L		111	80 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr) - RA	110		80 - 120
Dibromofluoromethane (Surr) - RA	109		80 - 122

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: 680-184447-16 MS

Matrix: Water

Analysis Batch: 622267

Client Sample ID: OLF-G42

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr) - RA	96		73 - 131
Toluene-d8 (Surr) - RA	114		80 - 120

Lab Sample ID: 680-184447-16 MSD

Matrix: Water

Analysis Batch: 622267

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 - RA	7.0	U F1 F2	250	226	H	ug/L		90	60 - 154	22	30
Acrylonitrile - RA	10	U F1 F2	500	426	H	ug/L		85	72 - 132	16	20
Benzene - RA	0.43	U F1 F2	50.0	50.1	H	ug/L		100	73 - 131	16	20
Bromochloromethane - RA	0.45	U F1 F2	50.0	50.2	H	ug/L		100	77 - 122	15	20
Bromodichloromethane - RA	0.44	U F1 F2	50.0	46.1	H	ug/L		92	77 - 129	14	20
Bromoform - RA	0.43	U F1 F2	50.0	42.2	H	ug/L		84	69 - 135	13	20
Bromomethane - RA	2.5	U * F1 F2	50.0	198	H F1	ug/L		396	20 - 180	5	20
2-Butanone (MEK) - RA	3.4	U F1 F2	250	218	H	ug/L		87	75 - 133	12	20
Carbon disulfide - RA	1.0	U F1 F2	50.0	52.6	H	ug/L		105	73 - 127	17	20
Carbon tetrachloride - RA	0.33	U F1 F2	50.0	50.6	H	ug/L		101	75 - 130	14	20
Chlorobenzene - RA	0.26	U F1 F2	50.0	50.7	H	ug/L		101	80 - 120	16	20
Chloroethane - RA	2.5	U * F1 F2	50.0	53.8	H	ug/L		108	50 - 151	18	20
Chloroform - RA	0.50	U F1 F2	50.0	46.8	H	ug/L		94	79 - 122	16	20
Chloromethane - RA	0.40	U F1 F2	50.0	50.5	H	ug/L		101	63 - 126	15	30
cis-1,2-Dichloroethene - RA	3.0	F1 F2	50.0	48.3	H	ug/L		90	80 - 122	17	20
cis-1,3-Dichloropropene - RA	0.40	U F1 F2	50.0	47.5	H	ug/L		95	80 - 133	14	20
Dibromochloromethane - RA	0.32	U F1 F2	50.0	47.8	H	ug/L		96	71 - 136	15	20
1,2-Dibromo-3-Chloropropane - RA	1.1	U F1 F2	50.0	43.3	H	ug/L		87	59 - 141	8	20
1,2-Dibromoethane - RA	0.44	U F1 F2	50.0	45.0	H	ug/L		90	77 - 131	14	20
Dibromomethane - RA	0.35	U F1 F2	50.0	44.0	H	ug/L		88	80 - 122	14	20
1,2-Dichlorobenzene - RA	0.37	U F1 F2	50.0	47.2	H	ug/L		94	80 - 120	13	20
1,4-Dichlorobenzene - RA	0.46	U F1 F2	50.0	47.6	H	ug/L		95	80 - 120	14	20
1,1-Dichloroethane - RA	0.38	U F1 F2	50.0	47.6	H	ug/L		95	80 - 120	16	20
1,2-Dichloroethane - RA	0.50	U F1	50.0	43.6	H	ug/L		87	75 - 130	16	50
1,1-Dichloroethene - RA	0.36	U F1 F2	50.0	53.3	H	ug/L		107	74 - 125	15	20
1,2-Dichloropropane - RA	0.67	U F1 F2	50.0	47.7	H	ug/L		95	80 - 123	16	20
1,3-Dichloropropane - RA	0.34	U F1 F2	50.0	40.3	H	ug/L		81	78 - 127	15	20
Ethylbenzene - RA	0.33	U F1 F2	50.0	48.9	H	ug/L		98	80 - 120	17	20
2-Hexanone - RA	2.0	U F1 F2	250	181	H	ug/L		72	70 - 141	13	20
Iodomethane - RA	5.0	U F1 F2	50.0	50.2	H	ug/L		100	15 - 162	15	30
Methylene Chloride - RA	2.5	U F1 F2	50.0	42.3	H	ug/L		85	76 - 129	16	20
4-Methyl-2-pentanone (MIBK) - RA	2.1	U F1 F2	250	203	H	ug/L		81	75 - 135	14	20
Methyl tert-butyl ether - RA	0.30	U F1 F2	50.0	42.4	H	ug/L		85	74 - 135	15	20
Styrene - RA	0.27	U F1 F2	50.0	47.5	H	ug/L		95	80 - 122	15	20
1,1,1,2-Tetrachloroethane - RA	0.37	U F1 F2	50.0	50.9	H	ug/L		102	80 - 120	14	20
1,1,2,2-Tetrachloroethane - RA	1.4	F1 F2	50.0	45.5	H	ug/L		88	72 - 128	15	20
Tetrachloroethylene - RA	0.74	U F1 F2	50.0	52.4	H	ug/L		105	77 - 123	17	20
Toluene - RA	0.48	U F1 F2	50.0	49.3	H	ug/L		99	80 - 122	18	20

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: 680-184447-16 MSD

Matrix: Water

Analysis Batch: 622267

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
trans-1,4-Dichloro-2-butene - RA	0.51	U F1 F2	50.0	37.7	H	ug/L		75	55 - 147	13	30
trans-1,2-Dichloroethene - RA	0.50	J F1 F2	50.0	51.1	H	ug/L		101	78 - 123	16	20
trans-1,3-Dichloropropene - RA	0.42	U F1 F2	50.0	44.7	H	ug/L		89	74 - 140	15	30
1,1,1-Trichloroethane - RA	0.37	U F1 F2	50.0	47.4	H	ug/L		95	74 - 128	16	20
1,1,2-Trichloroethane - RA	0.33	U F1 F2	50.0	47.4	H	ug/L		95	79 - 125	15	20
Trichloroethene - RA	9.3	F1 F2	50.0	57.2	H	ug/L		96	80 - 123	18	20
Trichlorofluoromethane - RA	0.42	U F1 F2	50.0	47.6	H	ug/L		95	58 - 145	18	20
1,2,3-Trichloropropane - RA	0.39	U F1 F2	50.0	42.5	H	ug/L		85	70 - 132	15	30
Vinyl acetate - RA	0.81	U F2	101	86.3	H	ug/L		86	15 - 190	15	20
Vinyl chloride - RA	1.8	F1 F2	50.0	56.2	H	ug/L		109	68 - 132	15	20
Xylenes, Total - RA	0.23	U F1 F2	100	94.7	H	ug/L		95	80 - 120	16	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr) - RA	101		80 - 120
Dibromofluoromethane (Surr) - RA	99		80 - 122
1,2-Dichloroethane-d4 (Surr) - RA	87		73 - 131
Toluene-d8 (Surr) - RA	106		80 - 120

Method: RSK-175 - Dissolved Gases (GC)

Lab Sample ID: MB 680-621209/8

Matrix: Water

Analysis Batch: 621209

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			06/04/20 12:30	1
Ethene	0.50	U	1.0	0.50	ug/L			06/04/20 12:30	1
Methane	0.29	U	0.58	0.29	ug/L			06/04/20 12:30	1
Methane (TCD)	39	U	390	39	ug/L			06/04/20 12:30	1

Lab Sample ID: LCS 680-621209/3

Matrix: Water

Analysis Batch: 621209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethane	288	328		ug/L		114	75 - 125
Ethene	269	303		ug/L		113	75 - 125
Methane	154	175		ug/L		114	75 - 125

Lab Sample ID: LCS 680-621209/6

Matrix: Water

Analysis Batch: 621209

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	1920		ug/L		100	75 - 125

Eurofins TestAmerica, Savannah

QC Sample Results

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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

Lab Sample ID: LCSD 680-621209/4

Matrix: Water

Analysis Batch: 621209

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	347		ug/L		120	75 - 125	6	30
Ethene	269	321		ug/L		119	75 - 125	6	30
Methane	154	184		ug/L		120	75 - 125	5	30

Lab Sample ID: LCSD 680-621209/7

Matrix: Water

Analysis Batch: 621209

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	2010		ug/L		104	75 - 125	4	30

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 680-621297/2

Matrix: Water

Analysis Batch: 621297

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			06/03/20 17:23	1
Total Organic Carbon - Quad	0.50	U	1.0	0.50	mg/L			06/03/20 17:23	1

Lab Sample ID: LCS 680-621297/3

Matrix: Water

Analysis Batch: 621297

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	19.8		mg/L		99	80 - 120
Total Organic Carbon - Quad	20.0	19.8		mg/L		99	80 - 120
TOC Result 1	20.0	19.6		mg/L		98	80 - 120
TOC Result 2	20.0	19.6		mg/L		98	80 - 120
TOC Result 3	20.0	19.8		mg/L		99	80 - 120
TOC Result 4	20.0	20.0		mg/L		100	80 - 120

Lab Sample ID: LCSD 680-621297/4

Matrix: Water

Analysis Batch: 621297

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	19.3		mg/L		97	80 - 120	1	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	19.9		mg/L		99	80 - 120	1	25

QC Association Summary

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

GC/MS VOA

Analysis Batch: 621514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-10	DUP346	Total/NA	Water	8260B	
MB 680-621514/8	Method Blank	Total/NA	Water	8260B	
LCS 680-621514/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-621514/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 621520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-1	OLF-G47	Total/NA	Water	8260B	
680-184447-4	OLF-G35	Total/NA	Water	8260B	
680-184447-8	OLF-G48	Total/NA	Water	8260B	
680-184447-9	OLF-G24	Total/NA	Water	8260B	
MB 680-621520/8	Method Blank	Total/NA	Water	8260B	
LCS 680-621520/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-621520/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 621746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-2	OLF-G36	Total/NA	Water	8260B	
680-184447-3	OLF-G21	Total/NA	Water	8260B	
680-184447-5	OLF-G18	Total/NA	Water	8260B	
680-184447-6	OLF-G19	Total/NA	Water	8260B	
680-184447-7	OLF-G22	Total/NA	Water	8260B	
MB 680-621746/8	Method Blank	Total/NA	Water	8260B	
LCS 680-621746/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-621746/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 621992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-11	OLF-G07	Total/NA	Water	8260B	
680-184447-12	OLF-G78	Total/NA	Water	8260B	
680-184447-13	OLF-G77	Total/NA	Water	8260B	
680-184447-14	TB556	Total/NA	Water	8260B	
680-184447-16	OLF-G42	Total/NA	Water	8260B	
680-184447-17	OLF-G23	Total/NA	Water	8260B	
MB 680-621992/9	Method Blank	Total/NA	Water	8260B	
LCS 680-621992/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-621992/5	Lab Control Sample Dup	Total/NA	Water	8260B	
680-184447-11 MS	OLF-G07	Total/NA	Water	8260B	
680-184447-11 MSD	OLF-G07	Total/NA	Water	8260B	

Analysis Batch: 622063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-13 - DL	OLF-G77	Total/NA	Water	8260B	
680-184447-15	OLF-G20	Total/NA	Water	8260B	
MB 680-622063/8	Method Blank	Total/NA	Water	8260B	
LCS 680-622063/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-622063/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 622071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-18	OLF-G12	Total/NA	Water	8260B	

Eurofins TestAmerica, Savannah

QC Association Summary

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

GC/MS VOA (Continued)

Analysis Batch: 622071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-19	EB134	Total/NA	Water	8260B	
680-184447-20	MB104	Total/NA	Water	8260B	
MB 680-622071/8	Method Blank	Total/NA	Water	8260B	
LCS 680-622071/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-622071/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 622267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-622267/8	Method Blank	Total/NA	Water	8260B	
LCS 680-622267/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-622267/4	Lab Control Sample Dup	Total/NA	Water	8260B	
680-184447-16 MS - RA	OLF-G42	Total/NA	Water	8260B	
680-184447-16 MSD - RA	OLF-G42	Total/NA	Water	8260B	

GC VOA

Analysis Batch: 621209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-13	OLF-G77	Total/NA	Water	RSK-175	
680-184447-17	OLF-G23	Total/NA	Water	RSK-175	
680-184447-18	OLF-G12	Total/NA	Water	RSK-175	
680-184447-19	EB134	Total/NA	Water	RSK-175	
680-184447-20	MB104	Total/NA	Water	RSK-175	
MB 680-621209/8	Method Blank	Total/NA	Water	RSK-175	
LCS 680-621209/3	Lab Control Sample	Total/NA	Water	RSK-175	
LCS 680-621209/6	Lab Control Sample	Total/NA	Water	RSK-175	
LCSD 680-621209/4	Lab Control Sample Dup	Total/NA	Water	RSK-175	
LCSD 680-621209/7	Lab Control Sample Dup	Total/NA	Water	RSK-175	

General Chemistry

Analysis Batch: 621297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-184447-13	OLF-G77	Total/NA	Water	9060A	
680-184447-19	EB134	Total/NA	Water	9060A	
680-184447-20	MB104	Total/NA	Water	9060A	
MB 680-621297/2	Method Blank	Total/NA	Water	9060A	
LCS 680-621297/3	Lab Control Sample	Total/NA	Water	9060A	
LCSD 680-621297/4	Lab Control Sample Dup	Total/NA	Water	9060A	

Lab Chronicle

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G47

Lab Sample ID: 680-184447-1

Date Collected: 05/26/20 12:11

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621520	06/06/20 22:55	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G36

Lab Sample ID: 680-184447-2

Date Collected: 05/27/20 10:51

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621746	06/09/20 13:52	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G21

Lab Sample ID: 680-184447-3

Date Collected: 05/27/20 13:16

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621746	06/09/20 14:15	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G35

Lab Sample ID: 680-184447-4

Date Collected: 05/26/20 15:06

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621520	06/06/20 23:18	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G18

Lab Sample ID: 680-184447-5

Date Collected: 05/27/20 11:55

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621746	06/09/20 14:38	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G19

Lab Sample ID: 680-184447-6

Date Collected: 05/27/20 15:00

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621746	06/09/20 15:02	P1C	TAL SAV
Instrument ID: CMSB										

Lab Chronicle

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G22

Lab Sample ID: 680-184447-7

Date Collected: 05/27/20 10:10

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621746	06/09/20 15:25	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G48

Lab Sample ID: 680-184447-8

Date Collected: 05/26/20 10:06

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621520	06/06/20 23:41	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: OLF-G24

Lab Sample ID: 680-184447-9

Date Collected: 05/26/20 10:10

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621520	06/07/20 00:04	Y1S	TAL SAV
Instrument ID: CMSP2										

Client Sample ID: DUP346

Lab Sample ID: 680-184447-10

Date Collected: 05/26/20 00:00

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621514	06/06/20 19:48	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G07

Lab Sample ID: 680-184447-11

Date Collected: 05/28/20 11:21

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621992	06/11/20 04:13	P1C	TAL SAV
Instrument ID: CMSB										

Client Sample ID: OLF-G78

Lab Sample ID: 680-184447-12

Date Collected: 05/28/20 10:01

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621992	06/11/20 01:32	P1C	TAL SAV
Instrument ID: CMSB										

Lab Chronicle

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G77

Lab Sample ID: 680-184447-13

Date Collected: 05/28/20 08:26

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621992	06/11/20 01:55	P1C	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	8260B	DL	10	5 mL	5 mL	622063	06/11/20 17:52	P1C	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	621209	06/04/20 14:57	DBM	TAL SAV
	Instrument ID: CVGU									
Total/NA	Analysis	9060A		1	40 mL	40 mL	621297	06/03/20 23:19	RKJ	TAL SAV
	Instrument ID: TOC7									

Client Sample ID: TB556

Lab Sample ID: 680-184447-14

Date Collected: 05/28/20 15:30

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621992	06/11/20 00:46	P1C	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: OLF-G20

Lab Sample ID: 680-184447-15

Date Collected: 05/28/20 13:35

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	622063	06/11/20 14:23	P1C	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: OLF-G42

Lab Sample ID: 680-184447-16

Date Collected: 05/28/20 11:45

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621992	06/11/20 04:36	P1C	TAL SAV
	Instrument ID: CMSB									

Client Sample ID: OLF-G23

Lab Sample ID: 680-184447-17

Date Collected: 05/28/20 15:25

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	621992	06/11/20 02:41	P1C	TAL SAV
	Instrument ID: CMSB									
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	621209	06/04/20 16:15	DBM	TAL SAV
	Instrument ID: CVGU									

Lab Chronicle

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

Client Sample ID: OLF-G12

Lab Sample ID: 680-184447-18

Date Collected: 05/29/20 12:01

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	622071	06/11/20 16:11	Y1S	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	621209	06/04/20 16:41	DBM	TAL SAV
		Instrument ID: CVGU								

Client Sample ID: EB134

Lab Sample ID: 680-184447-19

Date Collected: 05/29/20 15:20

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	622071	06/11/20 15:01	Y1S	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	621209	06/04/20 16:54	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	621297	06/03/20 23:37	RKJ	TAL SAV
		Instrument ID: TOC7								

Client Sample ID: MB104

Lab Sample ID: 680-184447-20

Date Collected: 05/29/20 15:30

Matrix: Water

Date Received: 05/30/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	622071	06/11/20 16:34	Y1S	TAL SAV
		Instrument ID: CMSP2								
Total/NA	Analysis	RSK-175		1	17 mL	17 mL	621209	06/04/20 17:07	DBM	TAL SAV
		Instrument ID: CVGU								
Total/NA	Analysis	9060A		1	40 mL	40 mL	621297	06/03/20 23:52	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: 680-184447-1
SDG: 19.094.20-05.2.500

Laboratory: Eurofins TestAmerica, Savannah

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

1

2

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Method Summary

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

Job ID: 680-184447-1
SDG: 19.094.20-05.2.500

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 Number 6051

Cooler ID _____ Page 1 of 1
Cooler 1 of 1

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 # 19.094.20-05.2.500
Lab contract: _____

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	/8260B - VOC TB 40 mL vials, HCl
OLF-G47	NS	MW	Water	BP		5/26/2020	12:11	X			
OLF-G36	NS	MW	Water	BP		5/27/2020	10:51	X			
OLF-G21	NS	MW	Water	BP		5/27/2020	13:16	X			
OLF-G35	NS	MW	Water	BP		5/26/2020	15:06	X			
OLF-G18	NS	MW	Water	BP		5/27/2020	11:55	X			
OLF-G19	NS	MW	Water	BP		5/27/2020	15:00	X			
OLF-G22	NS	MW	Water	BP		5/27/2020	10:10	X			
OLF-G48	NS	MW	Water	BP		5/26/2020	10:06	X			
OLF-G24	NS	MW	Water	BP		5/26/2020	10:10	X			
DUP346	FD	FD	Water	BP		5/26/2020	N/A	X			
OLF-G07	NS	MW	Water	BP	X	5/28/2020	11:21	X			
OLF-G78	NS	MW	Water	BP		5/28/2020	10:01	X			
OLF-G77	NS	MW	Water	BP		5/28/2020	8:26	X	X		
TB556	TB	TB	Water	Grab		5/28/2020	15:30				X
OLF-G20	NS	MW	Water	BP		5/28/2020	13:35	X			
OLF-G42	NS	MW	Water	BP	X	5/28/2020	11:45	X			
OLF-G23	NS	MW	Water	BP		5/28/2020	15:25	X	X		
OLF-G12	NS	MW	Water	BP		5/29/2020	12:01	X	X		
EB134	EB	EB	Water	Grab		5/29/2020	15:20	X	X	X	
MB104	MB	MB	Water	Grab		5/29/2020	15:30	X	X	X	

Samplers Signature _____



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): Jon Lawhon Date/Time: 5/29/2020 16:00

Relinquished by (Signature): _____ Date/Time: _____
Received by (Signature): FedEx
Received by (Signature): 1.8/2.2
5-30-2020/1000

Double the number of bottles for MS/MSD

Login Sample Receipt Checklist

Client: Matrix Environmental Services, LLC

Job Number: 680-184447-1

SDG Number: 19.094.20-05.2.500

Login Number: 184447

List Source: Eurofins TestAmerica, Savannah

List Number: 1

Creator: Mookan, Darmal

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?	N/A	
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	