December 17, 2015 Reference No. 002012

Mr. Fred Campbell
Minnesota Pollution Control Agency
Remediation Division
Superfund and Emergency Response Section
520 Lafayette Road
St. Paul, Minnesota 55155-4194

Dear Mr. Campbell:

Re: Data Report
October 2015 Residential Well Sampling Event
North Oaks, Minnesota

On behalf of Whirlpool Corporation and Reynolds Metals Company, GHD Services Inc. (GHD) (formerly known as Conestoga-Rovers & Associates (CRA)) has prepared the following data report associated with the Residential Well Sampling Event conducted in North Oaks, Minnesota in October 2015. The October 2015 Residential Well Sampling Event was conducted in general accordance with the long-term monitoring program outlined in CRA's Feasibility Study Report (dated July 26, 2007 and approved by the Minnesota Pollution Control Agency (MPCA) on November 7, 2007) and as proposed in GHD's letter to MPCA dated August 25, 2015.

A discussion of the work performed and summary of the sampling results are presented below.

1. Sampling Program

During the period from October 5, 2015 through October 8, 2015, GHD and MPCA attempted to collect samples from a total of 78 residential well locations in North Oaks. Samples were only collected from well locations where expressed permission was obtained and a water source at the residence was accessible (69 locations). Samples were not collected from nine proposed locations because the resident declined sampling, did not respond, or had their water turned off for the season (see field notes in Table 1).

Where possible, samples were collected from an outside tap and/or from an untreated water source (i.e., not softened or filtered). Prior to sampling, the tap was allowed to run (purge) for approximately 20 minutes to purge the water line and pressure tank of residual water. The purge rate was measured and recorded. If a sample was collected from an outside tap, the water was directed via hose to an area of the yard that minimized the creation of pooled water or ice in an undesirable location. Field measurements for pH, conductivity, temperature, dissolved oxygen, and oxidation reduction potential (ORP) were taken after purging, at the time of sampling. Seven (7) duplicate samples,

seven (7) field blank samples, and four (4) matrix spike/matrix spike duplicate (MS/MSD) samples were collected for quality assurance/quality control (QA/QC) purposes. A sampling summary is provided in Table 1.

Water samples were collected directly from the tap after the purge hose was disconnected. Samples were placed on ice immediately following sample collection and were sent by courier to the laboratory using standard chain-of-custody procedures. Samples were submitted for analysis of VOCs and chloride to TestAmerica Laboratories (TAL), Inc. in Buffalo, New York. VOC samples were submitted for low level VOC analysis by Method 524.2. Chloride samples were submitted for analysis by Method 300.0A. A trip blank was included with each sample cooler containing VOC samples.

2. Sampling Results

Laboratory analytical reports and GHD's Data Quality Assessment and Validation memorandum associated with the October 2015 Residential Well Sampling Event are provided as Attachments A and B, respectively. A summary of detected compounds from the October 2015 Residential Well Sampling Event is presented in Table 2. Table 2 also presents the current Minnesota Department of Health (MDH) Health-Based Guidance (HBG) for each compound detected.

The October 2015 sampling results are generally consistent with results from previous sampling rounds conducted from October 2004 through April 2015.

Vinyl chloride results from the October 2015 Residential Well Sampling Event are presented on Figure 1. As shown on Figure 1 and in Table 2, vinyl chloride was not detected in any of the residential well samples collected in October 2015. The method detection limit (MDL) associated with the October 2015 laboratory results for vinyl chloride is 0.059 µg/L (i.e. any vinyl chloride concentrations detected between the MDL [0.059 µg/L] and the reporting limit (RL) [0.2 µg/L] would have been reported and flagged as estimated [J]). The MDH Health Risk Limit (HRL) for vinyl chloride is 0.2 µg/L.

Updated graphs of historical vinyl chloride sampling results at residential wells where vinyl chloride has been detected previously are provided in Attachment C.

One additional Site-related VOC[1] (1,1-dichloroethane) and three other frequently-detected compound (cis-1,2-dichloroethene, dichlorodifluoromethane, and dichlorofluoromethane) were detected in residential well samples collected in October 2015. All detected concentrations are below their respective HBG. These additional VOC detections are discussed separately, in the paragraphs below.

1,1-dichloroethane (11DCA) was detected in three residential well samples collected in October 2015 (see Table 2) at concentrations ranging from 0.62 µg/L (20 Duck Pass Road) to 1.8 µg/L (22 Duck Pass Road). The October 2015 detections of 11DCA are consistent with previous sampling results. As

[1] As identified on Table 1 of MPCA's MDD Amendment dated August 26, 2008 (1,1,2-trichloroethene (TCE), vinyl chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, benzene, toluene, and methyl ethyl keytone).

of October 2015, 11DCA detections in residential wells remain well below the Risk Assessment Advice (RAA) for 11DCA (100 μg/L). There is no current HRL established for 11DCA.

Cis-1,2-dichloroethene (C12DCE) was detected in two residential well samples collected in October 2015 (see Table 2) at estimated (J) concentrations ranging from of 0.13 µg/L (11 West Shore Road) to 0.14 µg/L (50 East Oaks Road). Periodic detections of C12DCE are consistent with previous sampling results. As of October 2015, C12DCE detections in residential wells remain well below the current C12DCE HRL (50 µg/L) as well as the new Health Based Value (HBV) for C12DCE (6 µg/L).

Dichlorodifluoromethane (DCDFM) was detected in three residential well samples collected in October 2015 (see Table 2) at concentrations ranging from 1.0 μg/L (1 Thompson Lane) to 1.8 µg/L (22 Duck Pass Road). The October 2015 detections of DCDFM are consistent with previous sampling results. As of October 2015, DCDFM detections in residential wells remain well below the HRL for DCDFM (700 μg/L).

Dichlorofluoromethane (DCFM) was detected in two residential well samples collected in October 2015 (see Table 2) at concentrations ranging from 0.6 μg/L (20 Duck Pass Road) to 0.96 µg/L (22 Duck Pass Road). The October 2015 detections of DCFM are consistent with previous sampling results. DCFM detections in residential wells remain well below the Risk Assessment Advice (RAA) for DCFM (30 μg/L). There is no current HRL established for DCFM.

Chloride concentrations in residential well samples collected in October 2015 ranged from 1.0 mg/L (1 Robb Farm Road) to 103 mg/L (4 Thompson Lane) (see Table 2). Chloride has historically been detected in residential wells at similar concentrations.

3. Future Sampling

The next residential well sampling event in North Oaks is scheduled for April 2016.

If you have any questions or require additional information, please call me at (651) 639-0913.

Sincerely,

GHD

Sarah Illi, P.E.

MLR/sb/76

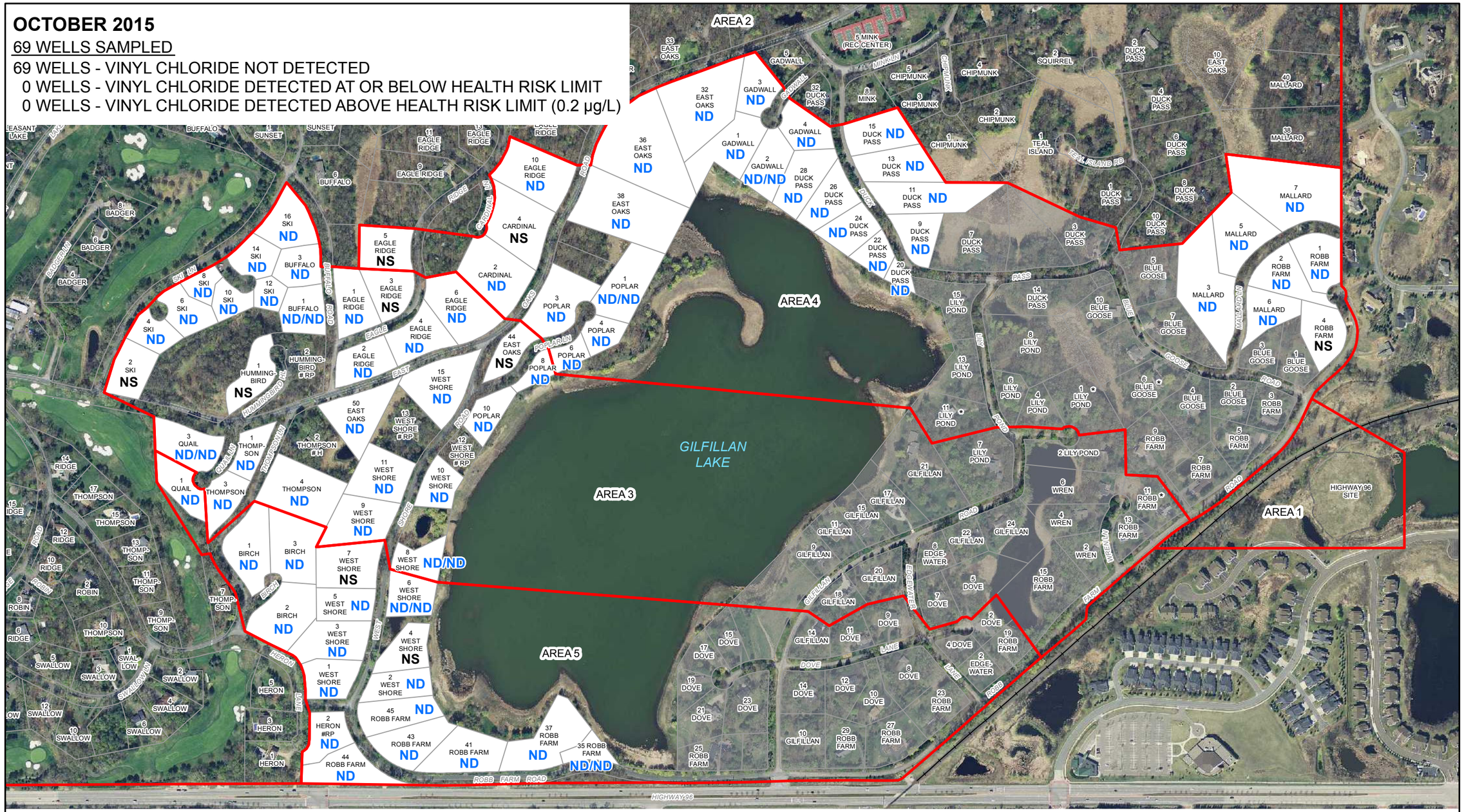
Encl.

cc: Emily Hansen, Minnesota Department of Health
Mayor, City of North Oaks
Mike Robertson, City of North Oaks
Michelle Hosfield, Wenck Associates
North Oaks Homeowners' Association
Highway 96 Group

OCTOBER 2015

69 WELLS SAMPLED

69 WELLS - VINYL CHLORIDE NOT DETECTED
0 WELLS - VINYL CHLORIDE DETECTED AT OR BELOW HEALTH RISK LIMIT
0 WELLS - VINYL CHLORIDE DETECTED ABOVE HEALTH RISK LIMIT (0.2 µg/L)



LEGEND

ND	VINYL CHLORIDE NOT DETECTED (DETECTION LIMIT = 0.059 µg/L)
ND/ND	DUPLICATE SAMPLE RESULT
NS	NOT SAMPLED (NO RESPONSE/DECLINED/WATER OFF)
	CONNECTED TO MUNICIPAL WATER SUPPLY
# RP	NEW (DEEPER) REPLACEMENT WELL INSTALLED BY RPs
# H	NEW (DEEPER) REPLACEMENT WELL INSTALLED BY HOMEOWNER
*	CONVERTED RESIDENTIAL MONITORING WELL LOCATION
	GEOGRAPHIC AREAS

N

0 250 500 ft

figure 1

VINYL CHLORIDE CONCENTRATIONS (OCTOBER 2015)

North Oaks, Minnesota

002012-00(CAMP076)GIS-SP001 NOV 12/2015

Table 1

Sampling Summary
October 2015
Residential Well Sampling Event
North Oaks, Minnesota

Well Address	ID	Sampled By	Date (mm/dd/yyyy)	Purge Time (min)	Flow Rate (gpm)	pH	Temp (°C)	Cond (µs/cm)	DO (mg/L)	ORP (mV)	Clarity	QA/QC	QA/QC ID	Notes
1 Birch Lane	W-151005-MB-19	GHD	10/05/2015	21	16	7.67	9.37	617	6.31	-66	Clear	- -	- -	- -
2 Birch Lane	W-151005-MB-17	GHD	10/05/2015	20	8	7.25	9.58	614	2.95	-124	Clear	FB	W-151005-MB-16	- -
3 Birch Lane	W-151005-MB-18	GHD	10/05/2015	20	16	7.37	8.98	567	4.05	-105	Clear	- -	- -	- -
1 Buffalo Road	W-151006-MB-37	GHD	10/06/2015	20	10	7.63	8.85	626	4.85	-124	Clear	DUP	W-151006-MB-38	- -
3 Buffalo Road	W-151006-MB-36	GHD	10/06/2015	20	12	7.71	8.61	636	6.22	-113	Clear	- -	- -	- -
2 Cardinal Lane	W-151007-MB-55	GHD	10/07/2015	20	16	7.52	8.71	583	5.19	-121	Clear	- -	- -	- -
4 Cardinal Lane	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - Resident declined.
9 Duck Pass Road	W-151008-MB-71	GHD	10/08/2015	21	5	7.65	11.04	664	8.51	-130	Clear	MS/MSD	- -	- -
11 Duck Pass Road	W-151007-MB-69	GHD	10/07/2015	20	12	7.52	8.68	935	3.60	-125	Clear	- -	- -	- -
13 Duck Pass Road	W-151007-MB-67	GHD	10/07/2015	20	12	7.37	8.24	576	2.05	-115	Clear	- -	- -	- -
15 Duck Pass Road	15 Duck Pass	MPCA	10/07/2015	15	8	NM	11	NM	NM	NM	NR	- -	- -	- -

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20 Duck Pass Road	W-151008-MB-72	GHD	10/08/2015	21	10	7.34	9.91	671	2.54	-118	Clear	- -	- -	- -
22 Duck Pass Road	W-151007-MB-70	GHD	10/07/2015	20	16	7.70	8.80	683	7.14	-112	Clear	- -	- -	- -
24 Duck Pass Road	W-151007-MB-68	GHD	10/07/2015	20	10	7.66	8.83	466	4.90	-128	Clear	- -	- -	- -
26 Duck Pass Road	W-151007-MB-66	GHD	10/07/2015	20	8	7.36	8.42	596	3.34	-81	Clear	- -	- -	- -
28 Duck Pass Road	W-151007-MB-64	GHD	10/07/2015	20	10	7.42	9.52	661	5.81	-31	Clear	FB	W-151007-MB-65	- -
32 East Oaks Road	W-151007-MB-58	GHD	10/07/2015	24	20	7.80	8.35	521	6.14	-109	Clear	- -	- -	- -
36 East Oaks Road	W-151007-MB-57	GHD	10/07/2015	20	5	7.58	9.36	566	3.11	-127	Clear	- -	- -	- -
38 East Oaks Road	W-151005-MB-24	GHD	10/05/2015	20	5	7.75	10.24	393	8.30	-129	Clear	- -	- -	- -
44 East Oaks Road	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - No response from resident.
50 East Oaks Road	50 EO	MPCA	10/07/2015	20	8.5	NM	8.5	NM	NM	NM	NR	- -	- -	- -
1 Eagle Ridge Road	W-151006-MB-39	GHD	10/06/2015	24	6	7.63	11.21	550	3.94	-124	Clear	- -	- -	Treated sample (iron filter not bypassed per resident's request).

Table 1

Sampling Summary
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Well Address	ID	Sampled By	Date (mm/dd/yyyy)	Purge Time (min)	Flow Rate (gpm)	pH	Temp (°C)	Cond (µs/cm)	DO (mg/L)	ORP (mV)	Clarity	QA/QC	QA/QC ID	Notes
2 Eagle Ridge Road	W-151006-MB-42	GHD	10/06/2015	20	10	7.56	8.91	640	5.01	-128	Clear	- -	- -	- -
3 Eagle Ridge Road	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - No response from resident.
4 Eagle Ridge Road	W-151006-MB-43	GHD	10/06/2015	22	8	7.51	9.32	621	3.91	-127	Clear	FB	W-151006-MB-44	- -
5 Eagle Ridge Road	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - No response from resident.
6 Eagle Ridge Road	W-151006-MB-45	GHD	10/06/2015	20	6	7.38	9.59	754	4.80	-116	Clear	- -	- -	- -
10 Eagle Ridge Road	W-151007-MB-56	GHD	10/07/2015	20	16	7.69	8.37	534	6.03	-139	Clear	- -	- -	- -
1 Gadwall Lane	W-151007-MB-60	GHD	10/07/2015	20	10	7.62	8.30	589	5.11	-109	Clear	- -	- -	- -
2 Gadwall Lane	W-151007-MB-61	GHD	10/07/2015	20	8	7.63	8.61	580	6.97	-104	Clear	DUP	W-151007-MB-62	- -
3 Gadwall Lane	W-151007-MB-59	GHD	10/07/2015	20	8	7.80	9.52	491	3.83	-120	Clear	- -	- -	- -
4 Gadwall Lane	W-151007-MB-63	GHD	10/07/2015	20	12	7.61	8.34	601	7.20	-118	Clear	- -	- -	- -

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2 Heron Lane (New Well)	W-151005-MB-09	GHD	10/05/2015	20	10	7.52	9.73	530	7.67	-82	Clear	MS/MSD	- -	- -
1 Hummingbird Hill	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - Water was turned off for the winter.
3 Mallard Lane	W-151008-MB-74	GHD	10/08/2015	10	8	7.56	10.83	601	6.90	-137	Clear	- -	- -	Reduced purge time because untreated spigot is directly from well.
5 Mallard Lane	W-151008-MB-75	GHD	10/08/2015	20	8	7.21	9.69	569	2.75	-105	Clear	- -	- -	- -
6 Mallard Lane	W-151008-MB-73	GHD	10/08/2015	21	10	7.32	9.75	572	4.32	-97	Clear	- -	- -	- -
7 Mallard Lane	W-151008-MB-76	GHD	10/08/2015	21	8	7.47	12.75	579	5.02	-70	Clear	- -	- -	- -
1 Poplar Lane	W-151007-MB-50	GHD	10/07/2015	20	12	7.67	8.90	397	3.96	-111	Clear	DUP	W-151007-MB-51	- -
3 Poplar Lane	W-151007-MB-53	GHD	10/07/2015	23	12	7.51	8.45	578	4.04	-113	Clear	FB	W-151007-MB-52	- -
4 Poplar Lane	W-151007-MB-49	GHD	10/07/2015	22	6	7.37	9.29	615	4.85	-118	Clear	- -	- -	- -
6 Poplar Lane	W-151007-MB-48	GHD	10/07/2015	20	12	7.47	8.71	486	3.93	-108	Clear	- -	- -	- -
8 Poplar Lane	W-151007-MB-47	GHD	10/07/2015	20	12	7.11	9.64	588	2.57	-112	Clear	- -	- -	- -

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10 Poplar Lane	W-151005-MB-23	GHD	10/05/2015	20	16	7.34	9.74	591	6.20	-109	Clear	- -	- -	- -
1 Quail Lane	W-151006-MB-27	GHD	10/06/2015	22	10	7.31	9.03	647	7.50	-30	Clear	- -	- -	- -
3 Quail Lane	W-151006-MB-25	GHD	10/06/2015	20	10	8.46	9.28	672	7.83	-75	Clear	DUP	W-151006-MB-26	- -
1 Robb Farm Road	W-151008-MB-78	GHD	10/08/2015	20	8	7.37	9.66	567	6.47	-103	Clear	FB	W-151008-MB-77	- -
2 Robb Farm Road	W-151008-MB-79	GHD	10/08/2015	20	6	7.64	10.02	676	1.59	-89	Clear	- -	- -	- -
4 Robb Farm Road	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - No response from resident.
35 Robb Farm Road	W-151005-MB-01	GHD	10/05/2015	20	5	7.70	10.20	902	6.10	-145	Clear	DUP	W-151005-MB-02	- -
37 Robb Farm Road	W-151005-MB-03	GHD	10/05/2015	20	12	7.51	9.53	539	5.35	-140	Clear	- -	- -	- -
41 Robb Farm Road	W-151005-MB-05	GHD	10/05/2015	20	8	7.06	8.92	496	4.90	-77	Clear	FB	W-151005-MB-04	- -
43 Robb Farm Road	W-151005-MB-06	GHD	10/05/2015	23	8	7.18	9.48	662	4.80	-117	Clear	- -	- -	- -
44 Robb Farm Road	W-151007-MB-46	GHD	10/07/2015	20	16	7.41	8.98	684	6.46	-138	Clear	- -	- -	- -

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Well Address	ID	Sampled By	Date (mm/dd/yyyy)	Purge Time (min)	Flow Rate (gpm)	pH	Temp (°C)	Cond (µs/cm)	DO (mg/L)	ORP (mV)	Clarity	QA/QC	QA/QC ID	Notes
45 Robb Farm Road	W-151005-MB-07	GHD	10/05/2015	20	4	7.27	11.57	582	4.30	-38	Clear	- -	- -	- -
2 Ski Lane	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - No response from resident.
4 Ski Lane	W-151006-MB-30	GHD	10/06/2015	20	9	7.79	8.76	610	6.46	-120	Clear	- -	- -	- -
6 Ski Lane	W-151006-MB-31	GHD	10/06/2015	22	10	7.81	9.11	598	8.10	-118	Clear	- -	- -	- -
8 Ski Lane	W-151006-MB-32	GHD	10/06/2015	25	18	7.75	8.80	593	7.10	-153	Clear	MS/MSD	- -	- -
10 Ski Lane	W-151006-MB-33	GHD	10/06/2015	20	15	7.66	8.73	615	6.06	-112	Clear	- -	- -	- -
12 Ski Lane	W-151007-MB-54	GHD	10/07/2015	20	4	7.48	11.20	665	4.80	-127	Clear	MS/MSD	- -	- -
14 Ski Lane	W-151006-MB-34	GHD	10/06/2015	20	12	7.81	8.10	591	6.81	-94	Clear	- -	- -	- -
16 Ski Lane	W-151006-MB-35	GHD	10/06/2015	23	12	7.70	8.49	578	5.82	-114	Clear	- -	- -	- -
1 Thompson Lane	W-151006-MB-40	GHD	10/06/2015	20	3	7.53	12.07	608	4.91	-109	Clear	- -	- -	- -
3 Thompson Lane	W-151006-MB-28	GHD	10/06/2015	21	2	7.21	12.60	650	7.53	-134	Clear	FB	W-151006-MB-29	- -

Table 1

Sampling Summary
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North Oaks, Minnesota

Well Address	ID	Sampled By	Date (mm/dd/yyyy)	Purge Time (min)	Flow Rate (gpm)	pH	Temp (°C)	Cond (µs/cm)	DO (mg/L)	ORP (mV)	Clarity	QA/QC	QA/QC ID	Notes
4 Thompson Lane	W-151006-MB-41	GHD	10/06/2015	20	12	7.42	9.92	860	5.08	-131	Clear	- -	- -	- -
1 West Shore Road	W-151005-MB-10	GHD	10/05/2015	20	10	7.29	10.43	705	3.61	-105	Clear	- -	- -	- -
2 West Shore Road	W-151005-MB-08	GHD	10/05/2015	20	6	7.46	9.74	715	4.03	-147	Clear	- -	- -	- -
3 West Shore Road	W-151005-MB-11	GHD	10/05/2015	20	10	7.27	9.71	562	2.17	-100	Clear	- -	- -	- -
4 West Shore Road	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - Water was turned off for the winter.
5 West Shore Road	W-151005-MB-12	GHD	10/05/2015	20	16	7.48	10.68	420	7.59	-29	Clear	- -	- -	- -
6 West Shore Road	W-151005-MB-13	GHD	10/05/2015	22	12	7.29	9.90	534	2.60	-100	Clear	DUP	W-151005-MB-14	- -
7 West Shore Road	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	Not Sampled - Water was turned off for the winter.
8 West Shore Road	8 WSR	MPCA	10/07/2015	18	7.5	NM	8	NM	NM	NM	NR	DUP	8 WSR DUP	- -
9 West Shore Road	W-151005-MB-15	GHD	10/05/2015	25	8	7.37	9.59	620	4.54	-129	Clear	- -	- -	- -
10 West Shore Road	W-151005-MB-21	GHD	10/05/2015	20	8	7.39	10.44	628	4.80	-119	Clear	- -	- -	- -

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11 West Shore Road	W-151005-MB-20	GHD	10/05/2015	20	10	7.26	10.33	689	3.83	-130	Clear	- -	- -	Sample collected through dedicated hose (buried).
15 West Shore Road	W-151005-MB-22	GHD	10/05/2015	21	10	7.66	9.90	673	5.06	-56	Clear	- -	- -	- -

Notes:

DO - Dissolved Oxygen
NM - Not Measured
NR - Not Recorded
ORP - Oxidation Reduction Potential
FB - Field Blank
DUP - Duplicate

Table 2

Summary of Detected Compounds
October 2015
Residential Well Sampling Event
North Oaks, Minnesota

Address	MDH HBG Basis Date		Chloride -- -- mg/L	1,1-Dichloroethane 100 RAA ug/L	cis-1,2-Dichloroethene 6 HBV ug/L	Dichlorodifluoromethane (CFC-12) 700 HRL ug/L	Dichlorofluoromethane 30 RAA ug/L
1 Birch Lane	10/5/2015		6.0	< 0.50	< 0.50	< 0.50	< 0.50
2 Birch Lane	10/5/2015		14.0	< 0.50	< 0.50	< 0.50	< 0.50
3 Birch Lane	10/5/2015		5.9	< 0.50	< 0.50	< 0.50	< 0.50
1 Buffalo Road	10/6/2015		30.3	< 0.50	< 0.50	< 0.50	< 0.50
1 Buffalo Road	10/6/2015	D	30.5	< 0.50	< 0.50	< 0.50	< 0.50
3 Buffalo Road	10/6/2015		33.1	< 0.50	< 0.50	< 0.50	< 0.50
2 Cardinal Lane	10/7/2015		23.6	< 0.50	< 0.50	< 0.50	< 0.50
9 Duck Pass Road	10/8/2015		36.3	0.65	< 0.50	0.79	< 0.50
11 Duck Pass Road	10/7/2015		102	< 0.50	< 0.50	< 0.50	< 0.50
13 Duck Pass Road	10/7/2015		23.4	< 0.50	< 0.50	< 0.50	< 0.50
15 Duck Pass Road	10/7/2015		24.2	< 0.50	< 0.50	< 0.50	< 0.50
20 Duck Pass Road	10/8/2015		42.4	0.62	< 0.50	1.1	0.6
22 Duck Pass Road	10/7/2015		42.8	1.8	< 0.50	1.8	0.96
24 Duck Pass Road	10/7/2015		7.7	< 0.50	< 0.50	< 0.50	< 0.50
26 Duck Pass Road	10/7/2015		28.4	< 0.50	< 0.50	< 0.50	< 0.50
28 Duck Pass Road	10/7/2015		64.6	< 0.50	< 0.50	< 0.50	< 0.50
1 Eagle Ridge Road	10/6/2015		17.2	< 0.50	< 0.50	< 0.50	< 0.50
2 Eagle Ridge Road	10/6/2015		33.4	< 0.50	< 0.50	< 0.50	< 0.50
4 Eagle Ridge Road	10/6/2015		25.1	< 0.50	< 0.50	< 0.50	< 0.50
6 Eagle Ridge Road	10/6/2015		59.4	< 0.50	< 0.50	< 0.50	< 0.50
10 Eagle Ridge Road	10/7/2015		14.4	< 0.50	< 0.50	< 0.50	< 0.50
32 East Oaks Road	10/7/2015		30.5	< 0.50	< 0.50	< 0.50	< 0.50
36 East Oaks Road	10/7/2015		23.0	< 0.50	< 0.50	< 0.50	< 0.50
38 East Oaks Road	10/5/2015		2.0	< 0.50	< 0.50	< 0.50	< 0.50
50 East Oaks Road	10/7/2015		39.5	< 0.50	0.14 J	< 0.50	< 0.50
1 Gadwall Lane	10/7/2015		31.3	< 0.50	< 0.50	< 0.50	< 0.50
2 Gadwall Lane	10/7/2015		26.3	< 0.50	< 0.50	< 0.50	< 0.50
2 Gadwall Lane	10/7/2015	D	26.3	< 0.50	< 0.50	< 0.50	< 0.50
3 Gadwall Lane	10/7/2015		24.1	< 0.50	< 0.50	< 0.50	< 0.50
4 Gadwall Lane	10/7/2015		34.9	< 0.50	< 0.50	< 0.50	< 0.50

Table 2

Summary of Detected Compounds
October 2015
Residential Well Sampling Event
North Oaks, Minnesota

Address	MDH HBG Basis Date		Chloride -- -- mg/L	1,1-Dichloroethane 100 RAA ug/L	cis-1,2-Dichloroethene 6 HBV ug/L	Dichlorodifluoromethane (CFC-12) 700 HRL ug/L	Dichlorofluoromethane 30 RAA ug/L
2 Heron Lane (New Well)	10/5/2015		17.8	< 0.50	< 0.50	< 0.50	< 0.50
3 Mallard Lane	10/8/2015		15.7	< 0.50	< 0.50	< 0.50	< 0.50
5 Mallard Lane	10/8/2015		2.4	< 0.50	< 0.50	< 0.50	< 0.50
6 Mallard Lane	10/8/2015		2.9	< 0.50	< 0.50	< 0.50	< 0.50
7 Mallard Lane	10/8/2015		9.1	< 0.50	< 0.50	< 0.50	< 0.50
1 Poplar Lane	10/7/2015		1.4	< 0.50	< 0.50	< 0.50	< 0.50
1 Poplar Lane	10/7/2015	D	1.4	< 0.50	< 0.50	< 0.50	< 0.50
3 Poplar Lane	10/7/2015		23.9	< 0.50	< 0.50	< 0.50	< 0.50
4 Poplar Lane	10/7/2015		22.9	< 0.50	< 0.50	< 0.50	< 0.50
6 Poplar Lane	10/7/2015		5.0	< 0.50	< 0.50	< 0.50	< 0.50
8 Poplar Lane	10/7/2015		34.4	< 0.50	< 0.50	< 0.50	< 0.50
10 Poplar Lane	10/5/2015		15.8	< 0.50	< 0.50	< 0.50	< 0.50
1 Quail Lane	10/6/2015		28.5	< 0.50	< 0.50	< 0.50	< 0.50
3 Quail Lane	10/6/2015		23.5	< 0.50	< 0.50	< 0.50	< 0.50
3 Quail Lane	10/6/2015	D	23.5	< 0.50	< 0.50	< 0.50	< 0.50
1 Robb Farm Road	10/8/2015		1.0	< 0.50	< 0.50	< 0.50	< 0.50
2 Robb Farm Road	10/8/2015		14.3	< 0.50	< 0.50	< 0.50	< 0.50
35 Robb Farm Road	10/5/2015		52.2	< 0.50	< 0.50	< 0.50	< 0.50
35 Robb Farm Road	10/5/2015	D	52.2	< 0.50	< 0.50	< 0.50	< 0.50
37 Robb Farm Road	10/5/2015		6.7	< 0.50	< 0.50	< 0.50	< 0.50
41 Robb Farm Road	10/5/2015		3.4	< 0.50	< 0.50	< 0.50	< 0.50
43 Robb Farm Road	10/5/2015		27.8	< 0.50	< 0.50	< 0.50	< 0.50
44 Robb Farm Road	10/7/2015		29.4	< 0.50	< 0.50	< 0.50	< 0.50
45 Robb Farm Road	10/5/2015		23.1	< 0.50	< 0.50	< 0.50	< 0.50
4 Ski Lane	10/6/2015		34.6	< 0.50	< 0.50	< 0.50	< 0.50
6 Ski Lane	10/6/2015		27.6	< 0.50	< 0.50	< 0.50	< 0.50
8 Ski Lane	10/6/2015		21.3	< 0.50	< 0.50	< 0.50	< 0.50
10 Ski Lane	10/6/2015		28.1	< 0.50	< 0.50	< 0.50	< 0.50
12 Ski Lane	10/7/2015		41.9	< 0.50	< 0.50	< 0.50	< 0.50
14 Ski Lane	10/6/2015		31.5	< 0.50	< 0.50	< 0.50	< 0.50

Table 2

Summary of Detected Compounds
October 2015
Residential Well Sampling Event
North Oaks, Minnesota

Address	MDH HBG Basis Date		Chloride -- -- mg/L	1,1-Dichloroethane 100 RAA ug/L	cis-1,2-Dichloroethene 6 HBV ug/L	Dichlorodifluoromethane (CFC-12) 700 HRL ug/L	Dichlorofluoromethane 30 RAA ug/L
16 Ski Lane	10/6/2015		31.9	< 0.50	< 0.50	< 0.50	< 0.50
1 Thompson Lane	10/6/2015		31.0	< 0.50	< 0.50	1.0	< 0.50
3 Thompson Lane	10/6/2015		50.9	< 0.50	< 0.50	< 0.50	< 0.50
4 Thompson Lane	10/6/2015		103	< 0.50	< 0.50	< 0.50	< 0.50
1 West Shore Road	10/5/2015		41.6	< 0.50	< 0.50	< 0.50	< 0.50
2 West Shore Road	10/5/2015		47.8	< 0.50	< 0.50	< 0.50	< 0.50
3 West Shore Road	10/5/2015		5.1	< 0.50	< 0.50	< 0.50	< 0.50
5 West Shore Road	10/5/2015		7.5	< 0.50	< 0.50	< 0.50	< 0.50
6 West Shore Road	10/5/2015		5.0	< 0.50	< 0.50	< 0.50	< 0.50
6 West Shore Road	10/5/2015	D	5.0	< 0.50	< 0.50	< 0.50	< 0.50
8 West Shore Road	10/7/2015		6.9	< 0.50	< 0.50	< 0.50	< 0.50
8 West Shore Road	10/7/2015	D	6.9	< 0.50	< 0.50	< 0.50	< 0.50
9 West Shore Road	10/5/2015		20.0	< 0.50	< 0.50	< 0.50	< 0.50
10 West Shore Road	10/5/2015		26.9	< 0.50	< 0.50	< 0.50	< 0.50
11 West Shore Road	10/5/2015		40.9	< 0.50	0.13 J	< 0.50	< 0.50
15 West Shore Road	10/5/2015		33.7	< 0.50	< 0.50	< 0.50	< 0.50

Notes:

MDH HBG - Health-Based Guidance (HBG) established by the Minnesota Department of Health (MDH) (Note: if multiple guidance values are available, the lowest value is used for screening purposes)
HBV - Health Based Values
HRL - Health Risk Limit
RAA - Risk Assessment Advice
-- - HBG not established
D - Duplicate
J - Estimated Result

Attachment A
Laboratory Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-88726-1
Client Project/Site: 002012, Highway 96 Landfill

For:
GHD Services Inc.
1801 Old Highway 8 NW
Suite 114
St Paul, Minnesota 55112

Attn: Mr. Grant Anderson

Melissa Deyo

Authorized for release by:
10/22/2015 3:45:26 PM

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-88726-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-88726-1

Receipt
The samples were received on 10/8/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.0º C and 2.6º C.

GC/MS VOA
Method(s) 524.2: The analyte Methylene Chloride was outside recovery limits, biased high, in the Low Level Laboratory Control Sample (LLCS) for batch analytical batch 480-268327. Methylene Chloride was detected in the following samples: TRIP BLANK (480-88726-46). Methylene Chloride is a common laboratory contaminate, therefore any detection may potentially be due to laboratory contamination and should be evaluated accordingly.

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151005-MB-10 (480-88726-10), W-151005-MB-11 (480-88726-11), W-151005-MB-12 (480-88726-12), W-151005-MB-13 (480-88726-13), W-151005-MB-14 (480-88726-14), W-151005-MB-15 (480-88726-15), W-151005-MB-17 (480-88726-17), W-151005-MB-19 (480-88726-19) and W-151005-MB-23 (480-88726-23).

Method(s) 524.2: The low level laboratory control sample (LLCS) for batch analytical batch 480-268327 recovered outside control limits for the following analytes: Bromomethane and Methylene Chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: W-151005-MB-10 (480-88726-10), W-151005-MB-11 (480-88726-11), W-151005-MB-12 (480-88726-12), W-151005-MB-13 (480-88726-13), W-151005-MB-14 (480-88726-14), W-151005-MB-15 (480-88726-15), W-151005-MB-16 (480-88726-16), W-151005-MB-17 (480-88726-17), W-151005-MB-18 (480-88726-18), W-151005-MB-19 (480-88726-19), W-151005-MB-20 (480-88726-20), W-151005-MB-21 (480-88726-21), W-151005-MB-22 (480-88726-22), W-151005-MB-23 (480-88726-23), W-151005-MB-24 (480-88726-24), W-151006-MB-25 (480-88726-25) and W-151006-MB-26 (480-88726-26).

Method(s) 524.2: The low level laboratory control sample (LLCS) for analytical batch 480-268327 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. The following sample is impacted: TRIP BLANK (480-88726-46).

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151005-MB-01 (480-88726-1), W-151005-MB-02 (480-88726-2), W-151005-MB-03 (480-88726-3) and W-151005-MB-08 (480-88726-8).

Method(s) 524.2: The low level laboratory control sample (LLCS) for batch analytical batch 480-268417 recovered outside control limits for the following analyte: Methylene Chloride. This analyte was biased high in the LLCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151006-MB-30 (480-88726-30), W-151006-MB-31 (480-88726-31), W-151006-MB-32 (480-88726-32), W-151006-MB-33 (480-88726-33), W-151006-MB-34 (480-88726-34), W-151006-MB-37 (480-88726-37), W-151006-MB-38 (480-88726-38) and W-151006-MB-39 (480-88726-39).

Method(s) 524.2: The low level laboratory control sample (LLCS) for batch analytical batch 480-268578 recovered outside control limits for the following analytes: Methylene Chloride and Bromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: W-151006-MB-27 (480-88726-27), W-151006-MB-28 (480-88726-28), W-151006-MB-29 (480-88726-29), W-151006-MB-30 (480-88726-30), W-151006-MB-31 (480-88726-31), W-151006-MB-32 (480-88726-32), W-151006-MB-32 (480-88726-32[MS]), W-151006-MB-32 (480-88726-32[MSD]), W-151006-MB-33 (480-88726-33), W-151006-MB-34 (480-88726-34), W-151006-MB-35 (480-88726-35), W-151006-MB-36 (480-88726-36), W-151006-MB-37 (480-88726-37), W-151006-MB-38 (480-88726-38), W-151006-MB-39 (480-88726-39), W-151006-MB-40 (480-88726-40), W-151006-MB-41 (480-88726-41) and W-151006-MB-42 (480-88726-42).

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151006-MB-43 (480-88726-43) and W-151006-MB-45 (480-88726-45).

Method(s) 524.2: Due to the specific client requirements of the MDL/RL, the recovery of Total Xylenes was below the MDL, therefore could

Job ID: 480-88726-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

not be calculated out in the low level laboratory control spike (LLCS). The final recovery for Total Xylenes was 1.019ug/L in the LLCS. The following samples are impacted: W-151005-MB-01 (480-88726-1), W-151005-MB-02 (480-88726-2), W-151005-MB-03 (480-88726-3), W-151005-MB-04 (480-88726-4), W-151005-MB-05 (480-88726-5), W-151005-MB-06 (480-88726-6), W-151005-MB-07 (480-88726-7), W-151005-MB-08 (480-88726-8) and W-151005-MB-09 (480-88726-9)

Method(s) 524.2: Due to the specific client requirements for the MDL/RL, the recovery of Total Xylenes was calculated incorrectly in the low level laboratory control spike (LLCS). The final recovery for Total Xylenes was 1.224ug/L in the LLCS. The following samples are impacted: W-151005-MB-10 (480-88726-10), W-151005-MB-11 (480-88726-11), W-151005-MB-12 (480-88726-12), W-151005-MB-13 (480-88726-13), W-151005-MB-14 (480-88726-14), W-151005-MB-15 (480-88726-15), W-151005-MB-16 (480-88726-16), W-151005-MB-17 (480-88726-17), W-151005-MB-18 (480-88726-18), W-151005-MB-19 (480-88726-19), W-151005-MB-20 (480-88726-20), W-151005-MB-21 (480-88726-21), W-151005-MB-22 (480-88726-22), W-151005-MB-23 (480-88726-23), W-151005-MB-24 (480-88726-24), W-151006-MB-25 (480-88726-25), W-151006-MB-26 (480-88726-26) and TRIP BLANK (480-88726-46)

Method(s) 524.2: Due to the specific client requirements for the MDL/RL, the recovery of Total Xylenes was calculated incorrectly in the low level laboratory control spike (LLCS). The final recovery for Total Xylenes was 1.231ug/L in the LLCS. The following samples are impacted: W-151006-MB-27 (480-88726-27), W-151006-MB-28 (480-88726-28), W-151006-MB-29 (480-88726-29), W-151006-MB-30 (480-88726-30), W-151006-MB-31 (480-88726-31), W-151006-MB-32 (480-88726-32), W-151006-MB-33 (480-88726-33), W-151006-MB-34 (480-88726-34), W-151006-MB-35 (480-88726-35), W-151006-MB-36 (480-88726-36), W-151006-MB-37 (480-88726-37), W-151006-MB-38 (480-88726-38), W-151006-MB-39 (480-88726-39), W-151006-MB-40 (480-88726-40), W-151006-MB-41 (480-88726-41) and W-151006-MB-42 (480-88726-42)

Method(s) 524.2: Due to the specific client requirements of the MDL/RL, the recovery of Total Xylenes was below the MDL, therefore could not be calculated out in the low level laboratory control spike (LLCS). The final recovery for Total Xylenes was 0.923ug/L in the LLCS. The following samples are impacted: W-151006-MB-43 (480-88726-43), W-151006-MB-44 (480-88726-44) and W-151006-MB-45 (480-88726-45)

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

HPLC/IC
Method(s) 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: W-151006-MB-41 (480-88726-41). Elevated reporting limits (RLs) are provided.

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

Job ID: 480-88726-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-88726-2

Receipt
The samples were received on 10/8/2015 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.0º C and 2.6º C.

GC/MS VOA
Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151005-MB-10 (480-88726-10), W-151005-MB-11 (480-88726-11), W-151005-MB-12 (480-88726-12), W-151005-MB-13 (480-88726-13), W-151005-MB-14 (480-88726-14), W-151005-MB-15 (480-88726-15), W-151005-MB-17 (480-88726-17), W-151005-MB-19 (480-88726-19) and W-151005-MB-23 (480-88726-23).

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151005-MB-01 (480-88726-1), W-151005-MB-02 (480-88726-2), W-151005-MB-03 (480-88726-3) and W-151005-MB-08 (480-88726-8).

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151006-MB-30 (480-88726-30), W-151006-MB-31 (480-88726-31), W-151006-MB-32 (480-88726-32), W-151006-MB-33 (480-88726-33), W-151006-MB-34 (480-88726-34),

Job ID: 480-88726-2 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

W-151006-MB-37 (480-88726-37), W-151006-MB-38 (480-88726-38) and W-151006-MB-39 (480-88726-39).

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151006-MB-43 (480-88726-43) and W-151006-MB-45 (480-88726-45).

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

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-01 — Lab Sample ID: 480-88726-1

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	52.2		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-02 — Lab Sample ID: 480-88726-2

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	52.2		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-03 — Lab Sample ID: 480-88726-3

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.7		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-04 — Lab Sample ID: 480-88726-4

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24.2		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-05 — Lab Sample ID: 480-88726-5

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	3.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-06 — Lab Sample ID: 480-88726-6

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	27.8		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-07 — Lab Sample ID: 480-88726-7

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.1		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-08 — Lab Sample ID: 480-88726-8

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	47.8		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-09 — Lab Sample ID: 480-88726-9

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	17.8		0.50	0.50	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-10 — Lab Sample ID: 480-88726-10

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	41.6		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-11 — Lab Sample ID: 480-88726-11

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.1		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-12 — Lab Sample ID: 480-88726-12

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	7.5		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-13 — Lab Sample ID: 480-88726-13

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-14 — Lab Sample ID: 480-88726-14

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-15 — Lab Sample ID: 480-88726-15

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	20.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-16 — Lab Sample ID: 480-88726-16

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24.3		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-17 — Lab Sample ID: 480-88726-17

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-18 — Lab Sample ID: 480-88726-18

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.9		0.50	0.50	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-19 — Lab Sample ID: 480-88726-19

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-20 — Lab Sample ID: 480-88726-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.13	J	0.50	0.12	ug/L	1		524.2	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Chloride	40.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-21 — Lab Sample ID: 480-88726-21

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	26.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-22 — Lab Sample ID: 480-88726-22

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	33.7		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-23 — Lab Sample ID: 480-88726-23

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	15.8		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151005-MB-24 — Lab Sample ID: 480-88726-24

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-25 — Lab Sample ID: 480-88726-25

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.5		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-26 — Lab Sample ID: 480-88726-26

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.5		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-27 — Lab Sample ID: 480-88726-27

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: W-151006-MB-27 (Continued) — Lab Sample ID: 480-88726-27

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	28.5		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-28 — Lab Sample ID: 480-88726-28

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	50.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-29 — Lab Sample ID: 480-88726-29

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-30 — Lab Sample ID: 480-88726-30

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	34.6		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-31 — Lab Sample ID: 480-88726-31

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	27.6		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-32 — Lab Sample ID: 480-88726-32

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	21.3		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-33 — Lab Sample ID: 480-88726-33

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	28.1		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-34 — Lab Sample ID: 480-88726-34

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31.5		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-35 — Lab Sample ID: 480-88726-35

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31.9		0.50	0.50	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-36 — Lab Sample ID: 480-88726-36

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	33.1		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-37 — Lab Sample ID: 480-88726-37

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	30.3		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-38 — Lab Sample ID: 480-88726-38

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	30.5		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-39 — Lab Sample ID: 480-88726-39

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	17.2		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-40 — Lab Sample ID: 480-88726-40

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.0		0.50	0.50	ug/L	1		524.2	Total/NA
Chloride	31.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-41 — Lab Sample ID: 480-88726-41

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	103		1.0	1.0	mg/L	2		300.0	Total/NA

Client Sample ID: W-151006-MB-42 — Lab Sample ID: 480-88726-42

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	33.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-43 — Lab Sample ID: 480-88726-43

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	25.1		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-44 — Lab Sample ID: 480-88726-44

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-44 (Continued) — Lab Sample ID: 480-88726-44

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22.8		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151006-MB-45 — Lab Sample ID: 480-88726-45

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	59.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-88726-46

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.7	*	0.50	0.50	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-01

Date Collected: 10/05/15 10:10
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-1

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 14:54	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 14:54	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 14:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 14:54	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
2-Hexanone	ND		10	10	ug/L			10/13/15 14:54	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 14:54	1
Acetone	ND		10	10	ug/L			10/13/15 14:54	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 14:54	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1

Client Sample ID: W-151005-MB-01

Lab Sample ID: 480-88726-1

Date Collected: 10/05/15 10:10

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 14:54	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 14:54	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
t-Butanol	ND		10	10	ug/L			10/13/15 14:54	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 14:54	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 14:54	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 14:54	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 14:54	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 14:54	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 14:54	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*10/13/15 14:54*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/15 14:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.2**		0.50	0.50	mg/L			10/09/15 21:27	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-02

Lab Sample ID: 480-88726-2

Date Collected: 10/05/15 10:11
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 15:21	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 15:21	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 15:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 15:21	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
2-Hexanone	ND		10	10	ug/L			10/13/15 15:21	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 15:21	1
Acetone	ND		10	10	ug/L			10/13/15 15:21	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 15:21	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1

Client Sample ID: W-151005-MB-02

Lab Sample ID: 480-88726-2

Date Collected: 10/05/15 10:11

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 15:21	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 15:21	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
t-Butanol	ND		10	10	ug/L			10/13/15 15:21	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 15:21	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 15:21	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 15:21	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 15:21	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 15:21	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 15:21	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/13/15 15:21*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/13/15 15:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.2**		0.50	0.50	mg/L			10/09/15 21:35	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-03

Date Collected: 10/05/15 10:35
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-3

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 15:47	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 15:47	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 15:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 15:47	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
2-Hexanone	ND		10	10	ug/L			10/13/15 15:47	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 15:47	1
Acetone	ND		10	10	ug/L			10/13/15 15:47	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 15:47	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1

Client Sample ID: W-151005-MB-03

Lab Sample ID: 480-88726-3

Date Collected: 10/05/15 10:35

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 15:47	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 15:47	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
t-Butanol	ND		10	10	ug/L			10/13/15 15:47	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 15:47	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 15:47	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 15:47	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 15:47	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 15:47	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 15:47	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/13/15 15:47*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/13/15 15:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.7**		0.50	0.50	mg/L			10/09/15 22:24	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-04

Date Collected: 10/05/15 10:36
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-4

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 16:14	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 16:14	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 16:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 16:14	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
2-Hexanone	ND		10	10	ug/L			10/13/15 16:14	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 16:14	1
Acetone	ND		10	10	ug/L			10/13/15 16:14	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 16:14	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1

Client Sample ID: W-151005-MB-04

Lab Sample ID: 480-88726-4

Date Collected: 10/05/15 10:36

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 16:14	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 16:14	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
t-Butanol	ND		10	10	ug/L			10/13/15 16:14	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 16:14	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 16:14	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 16:14	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 16:14	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 16:14	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 16:14	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 16:14*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/15 16:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.2**		0.50	0.50	mg/L			10/09/15 22:32	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-05

Date Collected: 10/05/15 10:41
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-5

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 16:42	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 16:42	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 16:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 16:42	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
2-Hexanone	ND		10	10	ug/L			10/13/15 16:42	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 16:42	1
Acetone	ND		10	10	ug/L			10/13/15 16:42	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 16:42	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1

Client Sample ID: W-151005-MB-05

Lab Sample ID: 480-88726-5

Date Collected: 10/05/15 10:41

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 16:42	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 16:42	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
t-Butanol	ND		10	10	ug/L			10/13/15 16:42	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 16:42	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 16:42	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 16:42	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 16:42	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 16:42	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 16:42	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/13/15 16:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/13/15 16:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.4**		0.50	0.50	mg/L			10/09/15 22:40	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-06

Lab Sample ID: 480-88726-6

Date Collected: 10/05/15 10:48

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 17:08	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 17:08	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 17:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 17:08	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
2-Hexanone	ND		10	10	ug/L			10/13/15 17:08	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 17:08	1
Acetone	ND		10	10	ug/L			10/13/15 17:08	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 17:08	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1

Client Sample ID: W-151005-MB-06

Lab Sample ID: 480-88726-6

Date Collected: 10/05/15 10:48

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 17:08	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 17:08	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
t-Butanol	ND		10	10	ug/L			10/13/15 17:08	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 17:08	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 17:08	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 17:08	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 17:08	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 17:08	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 17:08	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 17:08*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/15 17:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.8**		0.50	0.50	mg/L			10/09/15 22:48	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-07

Lab Sample ID: 480-88726-7

Date Collected: 10/05/15 11:20

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 17:35	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 17:35	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 17:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 17:35	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
2-Hexanone	ND		10	10	ug/L			10/13/15 17:35	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 17:35	1
Acetone	ND		10	10	ug/L			10/13/15 17:35	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 17:35	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1

Client Sample ID: W-151005-MB-07

Lab Sample ID: 480-88726-7

Date Collected: 10/05/15 11:20

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 17:35	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 17:35	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
t-Butanol	ND		10	10	ug/L			10/13/15 17:35	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 17:35	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 17:35	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 17:35	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 17:35	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 17:35	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 17:35	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 17:35*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/13/15 17:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.1**		0.50	0.50	mg/L			10/09/15 22:57	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-08

Lab Sample ID: 480-88726-8

Date Collected: 10/05/15 11:26

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 18:02	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 18:02	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 18:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 18:02	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
2-Hexanone	ND		10	10	ug/L			10/13/15 18:02	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 18:02	1
Acetone	ND		10	10	ug/L			10/13/15 18:02	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 18:02	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1

Client Sample ID: W-151005-MB-08

Lab Sample ID: 480-88726-8

Date Collected: 10/05/15 11:26

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 18:02	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 18:02	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
t-Butanol	ND		10	10	ug/L			10/13/15 18:02	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 18:02	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 18:02	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 18:02	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 18:02	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 18:02	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 18:02	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/13/15 18:02*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/15 18:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.8**		0.50	0.50	mg/L			10/09/15 23:05	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-09

Lab Sample ID: 480-88726-9

Date Collected: 10/05/15 11:55

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 18:29	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 18:29	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 18:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 18:29	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
2-Hexanone	ND		10	10	ug/L			10/13/15 18:29	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 18:29	1
Acetone	ND		10	10	ug/L			10/13/15 18:29	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 18:29	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1

Client Sample ID: W-151005-MB-09

Lab Sample ID: 480-88726-9

Date Collected: 10/05/15 11:55

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 18:29	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 18:29	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
t-Butanol	ND		10	10	ug/L			10/13/15 18:29	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 18:29	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 18:29	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 18:29	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 18:29	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/13/15 18:29	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 18:29	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/13/15 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 18:29*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/15 18:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.8**		0.50	0.50	mg/L			10/09/15 21:43	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-10

Lab Sample ID: 480-88726-10

Date Collected: 10/05/15 12:00
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 00:48	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 00:48	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 00:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 00:48	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
2-Hexanone	ND		10	10	ug/L			10/13/15 00:48	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 00:48	1
Acetone	ND		10	10	ug/L			10/13/15 00:48	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 00:48	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 00:48	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1

Client Sample ID: W-151005-MB-10

Lab Sample ID: 480-88726-10

Date Collected: 10/05/15 12:00

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 00:48	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 00:48	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
t-Butanol	ND		10	10	ug/L			10/13/15 00:48	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 00:48	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 00:48	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 00:48	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 00:48	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 00:48	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 00:48	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/13/15 00:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/15 00:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.6**		0.50	0.50	mg/L			10/09/15 23:13	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-11

Lab Sample ID: 480-88726-11

Date Collected: 10/05/15 12:05

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 01:15	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 01:15	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 01:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 01:15	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
2-Hexanone	ND		10	10	ug/L			10/13/15 01:15	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 01:15	1
Acetone	ND		10	10	ug/L			10/13/15 01:15	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 01:15	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 01:15	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1

Client Sample ID: W-151005-MB-11

Lab Sample ID: 480-88726-11

Date Collected: 10/05/15 12:05

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 01:15	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 01:15	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
t-Butanol	ND		10	10	ug/L			10/13/15 01:15	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 01:15	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 01:15	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 01:15	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 01:15	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 01:15	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 01:15	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 01:15*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/15 01:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.1**		0.50	0.50	mg/L			10/09/15 23:21	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-12

Lab Sample ID: 480-88726-12

Date Collected: 10/05/15 12:45
Matrix: Water
Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 01:42	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 01:42	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 01:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 01:42	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
2-Hexanone	ND		10	10	ug/L			10/13/15 01:42	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 01:42	1
Acetone	ND		10	10	ug/L			10/13/15 01:42	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 01:42	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 01:42	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1

Client Sample ID: W-151005-MB-12

Lab Sample ID: 480-88726-12

Date Collected: 10/05/15 12:45

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 01:42	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 01:42	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
t-Butanol	ND		10	10	ug/L			10/13/15 01:42	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 01:42	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 01:42	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 01:42	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 01:42	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 01:42	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 01:42	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 01:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/15 01:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.5**		0.50	0.50	mg/L			10/09/15 23:29	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-13

Lab Sample ID: 480-88726-13

Date Collected: 10/05/15 12:50
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 02:09	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 02:09	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 02:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 02:09	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
2-Hexanone	ND		10	10	ug/L			10/13/15 02:09	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 02:09	1
Acetone	ND		10	10	ug/L			10/13/15 02:09	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 02:09	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 02:09	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1

Client Sample ID: W-151005-MB-13

Lab Sample ID: 480-88726-13

Date Collected: 10/05/15 12:50

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 02:09	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 02:09	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
t-Butanol	ND		10	10	ug/L			10/13/15 02:09	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 02:09	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 02:09	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 02:09	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 02:09	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 02:09	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 02:09	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 02:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/13/15 02:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/13/15 02:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		0.50	0.50	mg/L			10/10/15 00:18	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-14

Lab Sample ID: 480-88726-14

Date Collected: 10/05/15 12:51
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 02:35	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 02:35	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 02:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 02:35	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
2-Hexanone	ND		10	10	ug/L			10/13/15 02:35	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 02:35	1
Acetone	ND		10	10	ug/L			10/13/15 02:35	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 02:35	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 02:35	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1

Client Sample ID: W-151005-MB-14

Lab Sample ID: 480-88726-14

Date Collected: 10/05/15 12:51

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 02:35	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 02:35	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
t-Butanol	ND		10	10	ug/L			10/13/15 02:35	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 02:35	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 02:35	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 02:35	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 02:35	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 02:35	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 02:35	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*		*10/13/15 02:35*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/15 02:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		0.50	0.50	mg/L			10/10/15 00:26	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-15

Lab Sample ID: 480-88726-15

Date Collected: 10/05/15 13:00
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 03:02	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 03:02	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 03:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 03:02	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
2-Hexanone	ND		10	10	ug/L			10/13/15 03:02	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 03:02	1
Acetone	ND		10	10	ug/L			10/13/15 03:02	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 03:02	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 03:02	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1

Client Sample ID: W-151005-MB-15

Lab Sample ID: 480-88726-15

Date Collected: 10/05/15 13:00

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 03:02	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 03:02	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
t-Butanol	ND		10	10	ug/L			10/13/15 03:02	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:02	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 03:02	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 03:02	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:02	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 03:02	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 03:02	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/13/15 03:02*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/13/15 03:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**20.0**		0.50	0.50	mg/L			10/10/15 00:34	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-16

Lab Sample ID: 480-88726-16

Date Collected: 10/05/15 14:00
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 03:29	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 03:29	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 03:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 03:29	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
2-Hexanone	ND		10	10	ug/L			10/13/15 03:29	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 03:29	1
Acetone	ND		10	10	ug/L			10/13/15 03:29	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 03:29	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 03:29	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1

Client Sample ID: W-151005-MB-16

Lab Sample ID: 480-88726-16

Date Collected: 10/05/15 14:00

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 03:29	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 03:29	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
t-Butanol	ND		10	10	ug/L			10/13/15 03:29	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:29	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 03:29	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 03:29	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:29	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 03:29	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 03:29	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 03:29*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/15 03:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.3**		0.50	0.50	mg/L			10/10/15 00:42	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-17

Lab Sample ID: 480-88726-17

Date Collected: 10/05/15 14:05

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 03:56	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 03:56	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 03:56	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 03:56	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
2-Hexanone	ND		10	10	ug/L			10/13/15 03:56	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 03:56	1
Acetone	ND		10	10	ug/L			10/13/15 03:56	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 03:56	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 03:56	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1

Client Sample ID: W-151005-MB-17

Lab Sample ID: 480-88726-17

Date Collected: 10/05/15 14:05

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 03:56	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 03:56	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
t-Butanol	ND		10	10	ug/L			10/13/15 03:56	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 03:56	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 03:56	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 03:56	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 03:56	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 03:56	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 03:56	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*		*10/13/15 03:56*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/13/15 03:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.0**		0.50	0.50	mg/L			10/10/15 00:50	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-18

Lab Sample ID: 480-88726-18

Date Collected: 10/05/15 14:13
Matrix: Water
Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 04:23	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 04:23	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 04:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 04:23	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
2-Hexanone	ND		10	10	ug/L			10/13/15 04:23	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 04:23	1
Acetone	ND		10	10	ug/L			10/13/15 04:23	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 04:23	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 04:23	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1

Client Sample ID: W-151005-MB-18

Lab Sample ID: 480-88726-18

Date Collected: 10/05/15 14:13

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 04:23	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 04:23	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
t-Butanol	ND		10	10	ug/L			10/13/15 04:23	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 04:23	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 04:23	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 04:23	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 04:23	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 04:23	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 04:23	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 04:23*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/15 04:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.9**		0.50	0.50	mg/L			10/10/15 01:39	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-19

Lab Sample ID: 480-88726-19

Date Collected: 10/05/15 14:18

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 04:50	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 04:50	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 04:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 04:50	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
2-Hexanone	ND		10	10	ug/L			10/13/15 04:50	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 04:50	1
Acetone	ND		10	10	ug/L			10/13/15 04:50	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 04:50	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 04:50	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1

Client Sample ID: W-151005-MB-19

Lab Sample ID: 480-88726-19

Date Collected: 10/05/15 14:18

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 04:50	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 04:50	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
t-Butanol	ND		10	10	ug/L			10/13/15 04:50	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 04:50	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 04:50	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 04:50	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 04:50	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 04:50	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 04:50	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 04:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/13/15 04:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.0**		0.50	0.50	mg/L			10/10/15 01:47	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-20

Lab Sample ID: 480-88726-20

Date Collected: 10/05/15 14:54
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 05:17	1
cis-1,2-Dichloroethene	**0.13**	**J**	0.50	0.12	ug/L			10/13/15 05:17	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 05:17	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 05:17	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
2-Hexanone	ND		10	10	ug/L			10/13/15 05:17	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 05:17	1
Acetone	ND		10	10	ug/L			10/13/15 05:17	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 05:17	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 05:17	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1

Client Sample ID: W-151005-MB-20

Lab Sample ID: 480-88726-20

Date Collected: 10/05/15 14:54

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 05:17	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 05:17	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
t-Butanol	ND		10	10	ug/L			10/13/15 05:17	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 05:17	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 05:17	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 05:17	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 05:17	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 05:17	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 05:17	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 05:17*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/13/15 05:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**40.9**		0.50	0.50	mg/L			10/10/15 01:56	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-21

Lab Sample ID: 480-88726-21

Date Collected: 10/05/15 15:00
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 05:44	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 05:44	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 05:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 05:44	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
2-Hexanone	ND		10	10	ug/L			10/13/15 05:44	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 05:44	1
Acetone	ND		10	10	ug/L			10/13/15 05:44	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 05:44	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 05:44	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1

Client Sample ID: W-151005-MB-21

Lab Sample ID: 480-88726-21

Date Collected: 10/05/15 15:00

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 05:44	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 05:44	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
t-Butanol	ND		10	10	ug/L			10/13/15 05:44	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 05:44	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 05:44	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 05:44	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 05:44	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 05:44	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 05:44	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/13/15 05:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/15 05:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.9**		0.50	0.50	mg/L			10/10/15 02:04	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-22

Lab Sample ID: 480-88726-22

Date Collected: 10/05/15 15:03

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 06:10	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 06:10	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 06:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 06:10	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
2-Hexanone	ND		10	10	ug/L			10/13/15 06:10	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 06:10	1
Acetone	ND		10	10	ug/L			10/13/15 06:10	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 06:10	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 06:10	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1

Client Sample ID: W-151005-MB-22

Lab Sample ID: 480-88726-22

Date Collected: 10/05/15 15:03

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 06:10	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 06:10	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
t-Butanol	ND		10	10	ug/L			10/13/15 06:10	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 06:10	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 06:10	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 06:10	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 06:10	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 06:10	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 06:10	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/13/15 06:10*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/15 06:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.7**		0.50	0.50	mg/L			10/10/15 02:12	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-23

Date Collected: 10/05/15 15:06
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-23

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 06:37	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 06:37	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 06:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 06:37	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
2-Hexanone	ND		10	10	ug/L			10/13/15 06:37	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 06:37	1
Acetone	ND		10	10	ug/L			10/13/15 06:37	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 06:37	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 06:37	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1

Client Sample ID: W-151005-MB-23

Lab Sample ID: 480-88726-23

Date Collected: 10/05/15 15:06

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 06:37	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 06:37	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
t-Butanol	ND		10	10	ug/L			10/13/15 06:37	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 06:37	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 06:37	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 06:37	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 06:37	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 06:37	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 06:37	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 06:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/13/15 06:37*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/13/15 06:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.8**		0.50	0.50	mg/L			10/10/15 02:20	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-24

Lab Sample ID: 480-88726-24

Date Collected: 10/05/15 15:40
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 07:04	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 07:04	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 07:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 07:04	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
2-Hexanone	ND		10	10	ug/L			10/13/15 07:04	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 07:04	1
Acetone	ND		10	10	ug/L			10/13/15 07:04	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 07:04	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 07:04	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1

Client Sample ID: W-151005-MB-24

Lab Sample ID: 480-88726-24

Date Collected: 10/05/15 15:40

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 07:04	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 07:04	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
t-Butanol	ND		10	10	ug/L			10/13/15 07:04	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:04	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 07:04	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 07:04	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:04	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 07:04	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 07:04	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*		*10/13/15 07:04*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/13/15 07:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.0**		0.50	0.50	mg/L			10/10/15 02:28	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-25

Lab Sample ID: 480-88726-25

Date Collected: 10/06/15 10:20
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 07:31	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 07:31	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 07:31	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 07:31	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
2-Hexanone	ND		10	10	ug/L			10/13/15 07:31	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 07:31	1
Acetone	ND		10	10	ug/L			10/13/15 07:31	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 07:31	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 07:31	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1

Client Sample ID: W-151006-MB-25

Lab Sample ID: 480-88726-25

Date Collected: 10/06/15 10:20

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 07:31	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 07:31	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
t-Butanol	ND		10	10	ug/L			10/13/15 07:31	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:31	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 07:31	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 07:31	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:31	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 07:31	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 07:31	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 07:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/13/15 07:31*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/13/15 07:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.5**		0.50	0.50	mg/L			10/10/15 02:36	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-26

Date Collected: 10/06/15 10:21
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-26

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 07:58	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 07:58	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 07:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 07:58	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
2-Hexanone	ND		10	10	ug/L			10/13/15 07:58	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 07:58	1
Acetone	ND		10	10	ug/L			10/13/15 07:58	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 07:58	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 07:58	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1

Client Sample ID: W-151006-MB-26

Lab Sample ID: 480-88726-26

Date Collected: 10/06/15 10:21

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/13/15 07:58	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 07:58	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
t-Butanol	ND		10	10	ug/L			10/13/15 07:58	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 07:58	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 07:58	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 07:58	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 07:58	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 07:58	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 07:58	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 07:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/13/15 07:58*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/13/15 07:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.5**		0.50	0.50	mg/L			10/10/15 02:44	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-27

Lab Sample ID: 480-88726-27

Date Collected: 10/06/15 10:24

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 00:00	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 00:00	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 00:00	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 00:00	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
2-Hexanone	ND		10	10	ug/L			10/14/15 00:00	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 00:00	1
Acetone	ND		10	10	ug/L			10/14/15 00:00	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 00:00	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 00:00	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 00:00	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1

Client Sample ID: W-151006-MB-27

Lab Sample ID: 480-88726-27

Date Collected: 10/06/15 10:24

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 00:00	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 00:00	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
t-Butanol	ND		10	10	ug/L			10/14/15 00:00	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:00	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 00:00	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 00:00	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:00	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 00:00	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 00:00	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/14/15 00:00*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/14/15 00:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.5**		0.50	0.50	mg/L			10/10/15 03:33	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-28

Date Collected: 10/06/15 10:30
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-28

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 00:27	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 00:27	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 00:27	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 00:27	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
2-Hexanone	ND		10	10	ug/L			10/14/15 00:27	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 00:27	1
Acetone	ND		10	10	ug/L			10/14/15 00:27	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 00:27	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 00:27	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 00:27	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1

Client Sample ID: W-151006-MB-28

Lab Sample ID: 480-88726-28

Date Collected: 10/06/15 10:30

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 00:27	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 00:27	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
t-Butanol	ND		10	10	ug/L			10/14/15 00:27	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:27	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 00:27	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 00:27	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:27	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 00:27	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 00:27	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/14/15 00:27*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/14/15 00:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.9**		0.50	0.50	mg/L			10/10/15 03:41	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-29

Lab Sample ID: 480-88726-29

Date Collected: 10/06/15 10:38
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 00:54	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 00:54	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 00:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 00:54	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
2-Hexanone	ND		10	10	ug/L			10/14/15 00:54	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 00:54	1
Acetone	ND		10	10	ug/L			10/14/15 00:54	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 00:54	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 00:54	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 00:54	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1

Client Sample ID: W-151006-MB-29

Lab Sample ID: 480-88726-29

Date Collected: 10/06/15 10:38

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 00:54	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 00:54	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
t-Butanol	ND		10	10	ug/L			10/14/15 00:54	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 00:54	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 00:54	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 00:54	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 00:54	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 00:54	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 00:54	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/14/15 00:54*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/14/15 00:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.9**		0.50	0.50	mg/L			10/10/15 03:49	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-30

Lab Sample ID: 480-88726-30

Date Collected: 10/06/15 11:13
Matrix: Water
Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 01:21	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 01:21	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 01:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 01:21	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
2-Hexanone	ND		10	10	ug/L			10/14/15 01:21	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 01:21	1
Acetone	ND		10	10	ug/L			10/14/15 01:21	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 01:21	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 01:21	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 01:21	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1

Client Sample ID: W-151006-MB-30

Lab Sample ID: 480-88726-30

Date Collected: 10/06/15 11:13

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 01:21	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 01:21	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
t-Butanol	ND		10	10	ug/L			10/14/15 01:21	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 01:21	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 01:21	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 01:21	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 01:21	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 01:21	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 01:21	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/14/15 01:21*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/14/15 01:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.6**		0.50	0.50	mg/L			10/10/15 03:57	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-31

Lab Sample ID: 480-88726-31

Date Collected: 10/06/15 11:18

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 01:48	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 01:48	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 01:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 01:48	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
2-Hexanone	ND		10	10	ug/L			10/14/15 01:48	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 01:48	1
Acetone	ND		10	10	ug/L			10/14/15 01:48	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 01:48	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 01:48	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 01:48	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1

Client Sample ID: W-151006-MB-31

Lab Sample ID: 480-88726-31

Date Collected: 10/06/15 11:18

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 01:48	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 01:48	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
t-Butanol	ND		10	10	ug/L			10/14/15 01:48	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 01:48	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 01:48	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 01:48	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 01:48	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 01:48	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 01:48	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 01:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/14/15 01:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/14/15 01:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**27.6**		0.50	0.50	mg/L			10/10/15 04:06	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-32

Date Collected: 10/06/15 11:25
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-32

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 02:15	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 02:15	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 02:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 02:15	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
2-Hexanone	ND		10	10	ug/L			10/14/15 02:15	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 02:15	1
Acetone	ND		10	10	ug/L			10/14/15 02:15	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 02:15	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 02:15	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 02:15	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Chloroethane	ND	F1	0.50	0.50	ug/L			10/14/15 02:15	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Chloromethane	ND	F1	0.50	0.50	ug/L			10/14/15 02:15	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1

Client Sample ID: W-151006-MB-32

Lab Sample ID: 480-88726-32

Date Collected: 10/06/15 11:25

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 02:15	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 02:15	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
t-Butanol	ND		10	10	ug/L			10/14/15 02:15	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 02:15	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 02:15	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 02:15	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 02:15	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 02:15	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 02:15	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/14/15 02:15*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/14/15 02:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.3**		0.50	0.50	mg/L			10/10/15 00:59	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-33

Date Collected: 10/06/15 11:59
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-33

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 02:42	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 02:42	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 02:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 02:42	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
2-Hexanone	ND		10	10	ug/L			10/14/15 02:42	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 02:42	1
Acetone	ND		10	10	ug/L			10/14/15 02:42	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 02:42	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 02:42	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 02:42	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1

Client Sample ID: W-151006-MB-33

Lab Sample ID: 480-88726-33

Date Collected: 10/06/15 11:59

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 02:42	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 02:42	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
t-Butanol	ND		10	10	ug/L			10/14/15 02:42	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 02:42	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 02:42	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 02:42	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 02:42	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 02:42	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 02:42	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/14/15 02:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/14/15 02:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.1**		0.50	0.50	mg/L			10/10/15 04:14	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-34

Date Collected: 10/06/15 12:02
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-34

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 03:09	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 03:09	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 03:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 03:09	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
2-Hexanone	ND		10	10	ug/L			10/14/15 03:09	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 03:09	1
Acetone	ND		10	10	ug/L			10/14/15 03:09	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 03:09	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 03:09	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 03:09	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1

Client Sample ID: W-151006-MB-34

Lab Sample ID: 480-88726-34

Date Collected: 10/06/15 12:02

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 03:09	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 03:09	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
t-Butanol	ND		10	10	ug/L			10/14/15 03:09	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 03:09	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 03:09	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 03:09	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 03:09	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 03:09	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 03:09	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*98*		*80 - 120*		*10/14/15 03:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/14/15 03:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.5**		0.50	0.50	mg/L			10/10/15 12:17	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-35

Lab Sample ID: 480-88726-35

Date Collected: 10/06/15 12:10
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 03:36	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 03:36	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 03:36	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 03:36	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
2-Hexanone	ND		10	10	ug/L			10/14/15 03:36	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 03:36	1
Acetone	ND		10	10	ug/L			10/14/15 03:36	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 03:36	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 03:36	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 03:36	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1

Client Sample ID: W-151006-MB-35

Lab Sample ID: 480-88726-35

Date Collected: 10/06/15 12:10

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 03:36	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 03:36	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
t-Butanol	ND		10	10	ug/L			10/14/15 03:36	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 03:36	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 03:36	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 03:36	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 03:36	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 03:36	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 03:36	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/14/15 03:36*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/14/15 03:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.9**		0.50	0.50	mg/L			10/10/15 12:25	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-36

Lab Sample ID: 480-88726-36

Date Collected: 10/06/15 12:40
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 04:02	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 04:02	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 04:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 04:02	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
2-Hexanone	ND		10	10	ug/L			10/14/15 04:02	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 04:02	1
Acetone	ND		10	10	ug/L			10/14/15 04:02	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 04:02	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 04:02	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 04:02	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1

Client Sample ID: W-151006-MB-36

Lab Sample ID: 480-88726-36

Date Collected: 10/06/15 12:40

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 04:02	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 04:02	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
t-Butanol	ND		10	10	ug/L			10/14/15 04:02	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:02	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 04:02	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 04:02	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:02	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 04:02	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 04:02	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*		*10/14/15 04:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/14/15 04:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.1**		0.50	0.50	mg/L			10/10/15 12:33	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-37

Date Collected: 10/06/15 12:45
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-37

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 04:29	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 04:29	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 04:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 04:29	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
2-Hexanone	ND		10	10	ug/L			10/14/15 04:29	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 04:29	1
Acetone	ND		10	10	ug/L			10/14/15 04:29	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 04:29	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 04:29	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 04:29	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1

Client Sample ID: W-151006-MB-37

Lab Sample ID: 480-88726-37

Date Collected: 10/06/15 12:45

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 04:29	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 04:29	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
t-Butanol	ND		10	10	ug/L			10/14/15 04:29	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:29	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 04:29	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 04:29	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:29	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 04:29	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 04:29	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/14/15 04:29*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/14/15 04:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.3**		0.50	0.50	mg/L			10/10/15 12:41	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-38

Date Collected: 10/06/15 12:46
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-38

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 04:56	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 04:56	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 04:56	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 04:56	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
2-Hexanone	ND		10	10	ug/L			10/14/15 04:56	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 04:56	1
Acetone	ND		10	10	ug/L			10/14/15 04:56	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 04:56	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 04:56	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 04:56	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1

Client Sample ID: W-151006-MB-38

Lab Sample ID: 480-88726-38

Date Collected: 10/06/15 12:46

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 04:56	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 04:56	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
t-Butanol	ND		10	10	ug/L			10/14/15 04:56	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 04:56	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 04:56	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 04:56	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 04:56	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 04:56	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 04:56	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*98*		*80 - 120*		*10/14/15 04:56*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/14/15 04:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.5**		0.50	0.50	mg/L			10/10/15 12:49	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-39

Lab Sample ID: 480-88726-39

Date Collected: 10/06/15 12:53
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 05:22	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 05:22	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 05:22	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 05:22	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
2-Hexanone	ND		10	10	ug/L			10/14/15 05:22	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 05:22	1
Acetone	ND		10	10	ug/L			10/14/15 05:22	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 05:22	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 05:22	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 05:22	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1

Client Sample ID: W-151006-MB-39

Lab Sample ID: 480-88726-39

Date Collected: 10/06/15 12:53

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 05:22	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 05:22	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
t-Butanol	ND		10	10	ug/L			10/14/15 05:22	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 05:22	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 05:22	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 05:22	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 05:22	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 05:22	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 05:22	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/14/15 05:22*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/14/15 05:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.2**		0.50	0.50	mg/L			10/10/15 12:57	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-40

Lab Sample ID: 480-88726-40

Date Collected: 10/06/15 14:40
Matrix: Water
Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 05:49	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 05:49	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 05:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 05:49	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
2-Hexanone	ND		10	10	ug/L			10/14/15 05:49	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 05:49	1
Acetone	ND		10	10	ug/L			10/14/15 05:49	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 05:49	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 05:49	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 05:49	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1

Client Sample ID: W-151006-MB-40

Lab Sample ID: 480-88726-40

Date Collected: 10/06/15 14:40

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.0**		0.50	0.50	ug/L			10/14/15 05:49	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 05:49	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 05:49	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
t-Butanol	ND		10	10	ug/L			10/14/15 05:49	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 05:49	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 05:49	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 05:49	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 05:49	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 05:49	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 05:49	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/14/15 05:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*		*10/14/15 05:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.0**		0.50	0.50	mg/L			10/10/15 13:05	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-41

Lab Sample ID: 480-88726-41

Date Collected: 10/06/15 15:08

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 06:16	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 06:16	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 06:16	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 06:16	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
2-Hexanone	ND		10	10	ug/L			10/14/15 06:16	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 06:16	1
Acetone	ND		10	10	ug/L			10/14/15 06:16	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 06:16	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 06:16	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 06:16	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1

Client Sample ID: W-151006-MB-41

Lab Sample ID: 480-88726-41

Date Collected: 10/06/15 15:08

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 06:16	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 06:16	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
t-Butanol	ND		10	10	ug/L			10/14/15 06:16	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 06:16	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 06:16	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 06:16	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 06:16	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 06:16	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 06:16	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/14/15 06:16*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/14/15 06:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		1.0	1.0	mg/L			10/12/15 12:22	2

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-42

Date Collected: 10/06/15 15:14
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-42

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 06:42	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 06:42	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 06:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 06:42	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
2-Hexanone	ND		10	10	ug/L			10/14/15 06:42	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 06:42	1
Acetone	ND		10	10	ug/L			10/14/15 06:42	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 06:42	1
Allyl chloride	ND	*	0.50	0.50	ug/L			10/14/15 06:42	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/14/15 06:42	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1

Client Sample ID: W-151006-MB-42

Lab Sample ID: 480-88726-42

Date Collected: 10/06/15 15:14

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/14/15 06:42	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 06:42	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
t-Butanol	ND		10	10	ug/L			10/14/15 06:42	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 06:42	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 06:42	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 06:42	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 06:42	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 06:42	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 06:42	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*		*10/14/15 06:42*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/14/15 06:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.4**		0.50	0.50	mg/L			10/10/15 13:22	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-43

Date Collected: 10/06/15 15:20
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-43

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 15:54	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 15:54	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 15:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 15:54	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
2-Hexanone	ND		10	10	ug/L			10/14/15 15:54	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 15:54	1
Acetone	ND		10	10	ug/L			10/14/15 15:54	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 15:54	1
Allyl chloride	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Bromomethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1

Client Sample ID: W-151006-MB-43

Lab Sample ID: 480-88726-43

Date Collected: 10/06/15 15:20

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/14/15 15:54	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 15:54	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
t-Butanol	ND		10	10	ug/L			10/14/15 15:54	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 15:54	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 15:54	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 15:54	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 15:54	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/14/15 15:54	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 15:54	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/14/15 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/14/15 15:54*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/14/15 15:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**25.1**		0.50	0.50	mg/L			10/10/15 14:11	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-44

Date Collected: 10/06/15 15:18
Date Received: 10/08/15 09:00

Lab Sample ID: 480-88726-44

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 16:21	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 16:21	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 16:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 16:21	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
2-Hexanone	ND		10	10	ug/L			10/14/15 16:21	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 16:21	1
Acetone	ND		10	10	ug/L			10/14/15 16:21	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 16:21	1
Allyl chloride	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Bromomethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1

Client Sample ID: W-151006-MB-44

Lab Sample ID: 480-88726-44

Date Collected: 10/06/15 15:18

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/14/15 16:21	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 16:21	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
t-Butanol	ND		10	10	ug/L			10/14/15 16:21	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 16:21	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 16:21	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 16:21	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 16:21	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/14/15 16:21	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 16:21	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/14/15 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/14/15 16:21*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/14/15 16:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		0.50	0.50	mg/L			10/10/15 14:19	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-45

Lab Sample ID: 480-88726-45

Date Collected: 10/06/15 15:25
Date Received: 10/08/15 09:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/14/15 16:48	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 16:48	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 16:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 16:48	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
2-Hexanone	ND		10	10	ug/L			10/14/15 16:48	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 16:48	1
Acetone	ND		10	10	ug/L			10/14/15 16:48	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 16:48	1
Allyl chloride	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Bromomethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1

Client Sample ID: W-151006-MB-45

Lab Sample ID: 480-88726-45

Date Collected: 10/06/15 15:25

Matrix: Water

Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/14/15 16:48	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 16:48	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
t-Butanol	ND		10	10	ug/L			10/14/15 16:48	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 16:48	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 16:48	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 16:48	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 16:48	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/14/15 16:48	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 16:48	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/14/15 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/14/15 16:48*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/14/15 16:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**59.4**		0.50	0.50	mg/L			10/10/15 14:27	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-88726-46

Date Collected: 10/05/15 00:00
Matrix: Water
Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/13/15 00:22	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 00:22	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 00:22	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 00:22	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
2-Hexanone	ND		10	10	ug/L			10/13/15 00:22	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 00:22	1
Acetone	ND		10	10	ug/L			10/13/15 00:22	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 00:22	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/13/15 00:22	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-88726-46

Date Collected: 10/05/15 00:00
Matrix: Water
Date Received: 10/08/15 09:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Methylene Chloride	**1.7**	*	0.50	0.50	ug/L			10/13/15 00:22	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 00:22	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
t-Butanol	ND		10	10	ug/L			10/13/15 00:22	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 00:22	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 00:22	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 00:22	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 00:22	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 00:22	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 00:22	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/13/15 00:22*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/13/15 00:22*	*1*

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	12DCB (80-120)	BFB (80-120)						
480-88726-1	W-151005-MB-01	104	98						
480-88726-2	W-151005-MB-02	102	99						
480-88726-3	W-151005-MB-03	102	100						
480-88726-4	W-151005-MB-04	101	97						
480-88726-5	W-151005-MB-05	102	99						
480-88726-6	W-151005-MB-06	101	97						
480-88726-7	W-151005-MB-07	101	99						
480-88726-8	W-151005-MB-08	103	97						
480-88726-9	W-151005-MB-09	101	98						
480-88726-9 MS	W-151005-MB-09	100	100						
480-88726-9 MSD	W-151005-MB-09	100	98						
480-88726-10	W-151005-MB-10	103	97						
480-88726-11	W-151005-MB-11	101	97						
480-88726-12	W-151005-MB-12	101	97						
480-88726-13	W-151005-MB-13	102	100						
480-88726-14	W-151005-MB-14	99	98						
480-88726-15	W-151005-MB-15	100	99						
480-88726-16	W-151005-MB-16	101	98						
480-88726-17	W-151005-MB-17	99	99						
480-88726-18	W-151005-MB-18	101	98						
480-88726-19	W-151005-MB-19	101	97						
480-88726-20	W-151005-MB-20	101	101						
480-88726-21	W-151005-MB-21	100	98						
480-88726-22	W-151005-MB-22	102	98						
480-88726-23	W-151005-MB-23	102	99						
480-88726-24	W-151005-MB-24	99	100						
480-88726-25	W-151006-MB-25	101	98						
480-88726-26	W-151006-MB-26	103	99						
480-88726-27	W-151006-MB-27	102	98						
480-88726-28	W-151006-MB-28	100	99						
480-88726-29	W-151006-MB-29	102	97						
480-88726-30	W-151006-MB-30	100	99						
480-88726-31	W-151006-MB-31	101	100						
480-88726-32	W-151006-MB-32	100	97						
480-88726-32 MS	W-151006-MB-32	100	99						
480-88726-32 MSD	W-151006-MB-32	102	97						
480-88726-33	W-151006-MB-33	100	97						
480-88726-34	W-151006-MB-34	98	98						
480-88726-35	W-151006-MB-35	102	96						
480-88726-36	W-151006-MB-36	99	98						
480-88726-37	W-151006-MB-37	101	97						
480-88726-38	W-151006-MB-38	98	97						
480-88726-39	W-151006-MB-39	100	98						
480-88726-40	W-151006-MB-40	101	101						
480-88726-41	W-151006-MB-41	101	94						
480-88726-42	W-151006-MB-42	99	97						
480-88726-43	W-151006-MB-43	102	99						
480-88726-44	W-151006-MB-44	100	99						
480-88726-45	W-151006-MB-45	101	96						

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	12DCB (80-120)	BFB (80-120)						
480-88726-46	TRIP BLANK	102	96						
LCS 480-268327/3	Lab Control Sample	102	100						
LCS 480-268417/3	Lab Control Sample	98	101						
LCS 480-268578/3	Lab Control Sample	101	98						
LCS 480-268702/3	Lab Control Sample	101	100						
LCSD 480-268327/4	Lab Control Sample Dup	100	104						
LCSD 480-268417/4	Lab Control Sample Dup	100	100						
LCSD 480-268578/4	Lab Control Sample Dup	102	98						
LCSD 480-268702/4	Lab Control Sample Dup	98	98						
LLCS 480-268327/5	Lab Control Sample	99	98						
LLCS 480-268417/5	Lab Control Sample	99	100						
LLCS 480-268578/5	Lab Control Sample	101	96						
LLCS 480-268702/5	Lab Control Sample	101	97						
MB 480-268327/6	Method Blank	101	100						
MB 480-268417/6	Method Blank	100	96						
MB 480-268578/6	Method Blank	101	97						
MB 480-268702/6	Method Blank	101	98						

Surrogate Legend

12DCB = 1,2-Dichlorobenzene-d4
BFB = 4-Bromofluorobenzene (Surr)

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-268327/6
Matrix: Water
Analysis Batch: 268327

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	ND		0.50	0.074	ug/L			10/12/15 23:36	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/12/15 23:36	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/12/15 23:36	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
2-Butanone (MEK)	ND		10	10	ug/L			10/12/15 23:36	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
2-Hexanone	ND		10	10	ug/L			10/12/15 23:36	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/12/15 23:36	1
Acetone	ND		10	10	ug/L			10/12/15 23:36	1
Acrylonitrile	ND		10	10	ug/L			10/12/15 23:36	1
Allyl chloride	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Benzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Bromobenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Bromoform	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Bromomethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Chloroethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Chloroform	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Chloromethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/12/15 23:36	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-268327/6
Matrix: Water
Analysis Batch: 268327

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Ethyl ether	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Iodomethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/12/15 23:36	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/12/15 23:36	1
Naphthalene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
o-Xylene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Styrene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
t-Butanol	ND		10	10	ug/L			10/12/15 23:36	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Toluene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/12/15 23:36	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/12/15 23:36	1
Trichloroethene	ND		0.20	0.20	ug/L			10/12/15 23:36	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/12/15 23:36	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/12/15 23:36	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/12/15 23:36	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/12/15 23:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/12/15 23:36*	*1*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*		*10/12/15 23:36*	*1*

Lab Sample ID: LCS 480-268327/3
Matrix: Water
Analysis Batch: 268327

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	4.00	4.03		ug/L		101	70 - 130
cis-1,2-Dichloroethene	4.00	4.17		ug/L		104	70 - 130
Vinyl chloride	4.00	4.13		ug/L		103	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	3.94		ug/L		98	70 - 130
1,1,1-Trichloroethane	4.00	4.24		ug/L		106	70 - 130
1,1,2,2-Tetrachloroethane	4.00	4.09		ug/L		102	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-268327/3
Matrix: Water
Analysis Batch: 268327

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	4.00	3.94		ug/L		99	70 - 130
1,1-Dichloroethene	4.00	4.35		ug/L		109	70 - 130
1,1-Dichloropropene	4.00	4.29		ug/L		107	70 - 130
1,2,3-Trichlorobenzene	4.00	4.03		ug/L		101	70 - 130
1,2,3-Trichloropropane	4.00	4.23		ug/L		106	70 - 130
1,2,4-Trichlorobenzene	4.00	4.03		ug/L		101	70 - 130
1,2,4-Trimethylbenzene	4.00	4.04		ug/L		101	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	4.13		ug/L		103	70 - 130
1,2-Dibromoethane	4.00	4.23		ug/L		106	70 - 130
1,2-Dichlorobenzene	4.00	4.06		ug/L		102	70 - 130
1,2-Dichloroethane	4.00	4.17		ug/L		104	70 - 130
1,2-Dichloropropane	4.00	4.10		ug/L		102	70 - 130
1,3,5-Trimethylbenzene	4.00	4.10		ug/L		102	70 - 130
1,3-Dichlorobenzene	4.00	4.07		ug/L		102	70 - 130
1,3-Dichloropropane	4.00	4.11		ug/L		103	70 - 130
1,4-Dichlorobenzene	4.00	4.14		ug/L		104	70 - 130
2,2-Dichloropropane	4.00	3.94		ug/L		99	70 - 130
2-Butanone (MEK)	20.0	19.5		ug/L		98	70 - 130
2-Chlorotoluene	4.00	4.10		ug/L		103	70 - 130
2-Hexanone	20.0	20.0		ug/L		100	70 - 130
4-Chlorotoluene	4.00	3.84		ug/L		96	70 - 130
4-Isopropyltoluene	4.00	4.23		ug/L		106	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	19.8		ug/L		99	70 - 130
Acetone	20.0	18.3		ug/L		91	70 - 130
Benzene	4.00	4.10		ug/L		103	70 - 130
Bromobenzene	4.00	4.12		ug/L		103	70 - 130
Bromochloromethane	4.00	4.07		ug/L		102	70 - 130
Bromoform	4.00	4.06		ug/L		102	70 - 130
Bromomethane	4.00	3.95		ug/L		99	70 - 130
Carbon disulfide	4.00	4.26		ug/L		107	70 - 130
Carbon tetrachloride	4.00	4.40		ug/L		110	70 - 130
Chlorobenzene	4.00	4.17		ug/L		104	70 - 130
Chlorodibromomethane	4.00	4.00		ug/L		100	70 - 130
Chloroethane	4.00	4.18		ug/L		104	70 - 130
Chloroform	4.00	4.06		ug/L		102	70 - 130
Chloromethane	4.00	3.84		ug/L		96	70 - 130
cis-1,3-Dichloropropene	4.00	4.09		ug/L		102	70 - 130
Dibromomethane	4.00	3.95		ug/L		99	70 - 130
Dichlorobromomethane	4.00	3.89		ug/L		97	70 - 130
Dichlorodifluoromethane	4.00	3.84		ug/L		96	70 - 130
Ethylbenzene	4.00	4.13		ug/L		103	70 - 130
Hexachlorobutadiene	4.00	4.22		ug/L		105	70 - 130
Isopropylbenzene	4.00	4.14		ug/L		104	70 - 130
Methyl tert-butyl ether	4.00	4.12		ug/L		103	70 - 130
Methylene Chloride	4.00	4.45		ug/L		111	70 - 130
Naphthalene	4.00	4.10		ug/L		103	70 - 130
n-Butylbenzene	4.00	4.13		ug/L		103	70 - 130
n-Propylbenzene	4.00	4.16		ug/L		104	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-268327/3
Matrix: Water
Analysis Batch: 268327

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	4.00	4.17		ug/L		104	70 - 130
Styrene	4.00	4.00		ug/L		100	70 - 130
tert-Butylbenzene	4.00	4.23		ug/L		106	70 - 130
Tetrachloroethene	4.00	4.37		ug/L		109	70 - 130
Toluene	4.00	3.98		ug/L		100	70 - 130
trans-1,2-Dichloroethene	4.00	4.24		ug/L		106	70 - 130
trans-1,3-Dichloropropene	4.00	3.79		ug/L		95	70 - 130
Trichloroethene	4.00	4.10		ug/L		102	70 - 130
Trichlorofluoromethane	4.00	4.08		ug/L		102	70 - 130
Xylenes, Total	8.00	8.06		ug/L		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 480-268327/4
Matrix: Water
Analysis Batch: 268327

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	4.00	4.03		ug/L		101	70 - 130	0	20
cis-1,2-Dichloroethene	4.00	4.18		ug/L		104	70 - 130	0	20
Vinyl chloride	4.00	4.08		ug/L		102	70 - 130	1	20
Analyte	**Spike Added**	**LCSD Result**	**LCSD Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	4.00	4.09		ug/L		102	70 - 130	4	20
1,1,1-Trichloroethane	4.00	4.33		ug/L		108	70 - 130	2	20
1,1,2,2-Tetrachloroethane	4.00	4.12		ug/L		103	70 - 130	1	20
1,1,2-Trichloroethane	4.00	3.97		ug/L		99	70 - 130	1	20
1,1-Dichloroethene	4.00	4.37		ug/L		109	70 - 130	1	20
1,1-Dichloropropene	4.00	4.30		ug/L		108	70 - 130	0	20
1,2,3-Trichlorobenzene	4.00	4.04		ug/L		101	70 - 130	0	20
1,2,3-Trichloropropane	4.00	4.20		ug/L		105	70 - 130	1	20
1,2,4-Trichlorobenzene	4.00	4.20		ug/L		105	70 - 130	4	20
1,2,4-Trimethylbenzene	4.00	4.17		ug/L		104	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	4.00	3.97		ug/L		99	70 - 130	4	20
1,2-Dibromoethane	4.00	4.28		ug/L		107	70 - 130	1	20
1,2-Dichlorobenzene	4.00	4.19		ug/L		105	70 - 130	3	20
1,2-Dichloroethane	4.00	4.11		ug/L		103	70 - 130	1	20
1,2-Dichloropropane	4.00	4.18		ug/L		105	70 - 130	2	20
1,3,5-Trimethylbenzene	4.00	4.25		ug/L		106	70 - 130	4	20
1,3-Dichlorobenzene	4.00	4.14		ug/L		103	70 - 130	2	20
1,3-Dichloropropane	4.00	4.26		ug/L		107	70 - 130	4	20
1,4-Dichlorobenzene	4.00	4.20		ug/L		105	70 - 130	1	20
2,2-Dichloropropane	4.00	4.16		ug/L		104	70 - 130	5	20
2-Butanone (MEK)	20.0	19.0		ug/L		95	70 - 130	2	20
2-Chlorotoluene	4.00	4.28		ug/L		107	70 - 130	4	20
2-Hexanone	20.0	19.7		ug/L		99	70 - 130	1	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-268327/4
Matrix: Water
Analysis Batch: 268327

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
4-Chlorotoluene			4.00	4.08		ug/L		102	70 - 130	6	20
4-Isopropyltoluene			4.00	4.26		ug/L		107	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)			20.0	19.6		ug/L		98	70 - 130	1	20
Acetone			20.0	18.7		ug/L		93	70 - 130	2	20
Benzene			4.00	4.08		ug/L		102	70 - 130	0	20
Bromobenzene			4.00	4.21		ug/L		105	70 - 130	2	20
Bromochloromethane			4.00	4.08		ug/L		102	70 - 130	0	20
Bromoform			4.00	4.18		ug/L		105	70 - 130	3	20
Bromomethane			4.00	3.81		ug/L		95	70 - 130	3	20
Carbon disulfide			4.00	4.28		ug/L		107	70 - 130	0	20
Carbon tetrachloride			4.00	4.42		ug/L		111	70 - 130	1	20
Chlorobenzene			4.00	4.31		ug/L		108	70 - 130	3	20
Chlorodibromomethane			4.00	3.99		ug/L		100	70 - 130	0	20
Chloroethane			4.00	4.19		ug/L		105	70 - 130	0	20
Chloroform			4.00	4.10		ug/L		103	70 - 130	1	20
Chloromethane			4.00	3.93		ug/L		98	70 - 130	2	20
cis-1,3-Dichloropropene			4.00	4.10		ug/L		103	70 - 130	0	20
Dibromomethane			4.00	4.07		ug/L		102	70 - 130	3	20
Dichlorobromomethane			4.00	4.08		ug/L		102	70 - 130	5	20
Dichlorodifluoromethane			4.00	3.74		ug/L		93	70 - 130	3	20
Ethylbenzene			4.00	4.31		ug/L		108	70 - 130	4	20
Hexachlorobutadiene			4.00	4.33		ug/L		108	70 - 130	3	20
Isopropylbenzene			4.00	4.34		ug/L		109	70 - 130	5	20
Methyl tert-butyl ether			4.00	4.04		ug/L		101	70 - 130	2	20
Methylene Chloride			4.00	4.39		ug/L		110	70 - 130	1	20
Naphthalene			4.00	4.06		ug/L		101	70 - 130	1	20
n-Butylbenzene			4.00	4.29		ug/L		107	70 - 130	4	20
n-Propylbenzene			4.00	4.23		ug/L		106	70 - 130	2	20
sec-Butylbenzene			4.00	4.28		ug/L		107	70 - 130	3	20
Styrene			4.00	4.20		ug/L		105	70 - 130	5	20
tert-Butylbenzene			4.00	4.38		ug/L		109	70 - 130	4	20
Tetrachloroethene			4.00	4.53		ug/L		113	70 - 130	4	20
Toluene			4.00	4.20		ug/L		105	70 - 130	5	20
trans-1,2-Dichloroethene			4.00	4.34		ug/L		108	70 - 130	2	20
trans-1,3-Dichloropropene			4.00	3.84		ug/L		96	70 - 130	1	20
Trichloroethene			4.00	4.32		ug/L		108	70 - 130	5	20
Trichlorofluoromethane			4.00	4.19		ug/L		105	70 - 130	3	20
Xylenes, Total			8.00	8.54		ug/L		107	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*80 - 120*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-268327/5
Matrix: Water
Analysis Batch: 268327

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.500	0.601		ug/L		120	50 - 150
cis-1,2-Dichloroethene	0.500	0.595		ug/L		119	50 - 150
Vinyl chloride	0.500	0.628		ug/L		126	50 - 150

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	0.538		ug/L		108	50 - 150
1,1,1-Trichloroethane	0.500	0.575		ug/L		115	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.581		ug/L		116	50 - 150
1,1,2-Trichloroethane	0.500	0.580		ug/L		116	50 - 150
1,1-Dichloroethene	0.500	0.597		ug/L		119	50 - 150
1,1-Dichloropropene	0.500	0.658		ug/L		132	50 - 150
1,2,3-Trichlorobenzene	0.500	0.617		ug/L		123	50 - 150
1,2,3-Trichloropropane	0.500	0.567		ug/L		113	50 - 150
1,2,4-Trichlorobenzene	0.500	0.622		ug/L		124	50 - 150
1,2,4-Trimethylbenzene	0.500	0.603		ug/L		121	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	ND		ug/L		97	50 - 150
1,2-Dibromoethane	0.500	0.604		ug/L		121	50 - 150
1,2-Dichlorobenzene	0.500	0.616		ug/L		123	50 - 150
1,2-Dichloroethane	0.500	0.623		ug/L		125	50 - 150
1,2-Dichloropropane	0.500	0.589		ug/L		118	50 - 150
1,3,5-Trimethylbenzene	0.500	0.616		ug/L		123	50 - 150
1,3-Dichlorobenzene	0.500	0.622		ug/L		124	50 - 150
1,3-Dichloropropane	0.500	0.620		ug/L		124	50 - 150
1,4-Dichlorobenzene	0.500	0.627		ug/L		125	50 - 150
2,2-Dichloropropane	0.500	0.637		ug/L		127	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		124	50 - 150
2-Chlorotoluene	0.500	0.608		ug/L		122	50 - 150
2-Hexanone	2.50	ND		ug/L		120	50 - 150
4-Chlorotoluene	0.500	0.647		ug/L		129	50 - 150
4-Isopropyltoluene	0.500	0.619		ug/L		124	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		123	50 - 150
Acetone	2.50	ND		ug/L		136	50 - 150
Benzene	0.500	0.613		ug/L		123	50 - 150
Bromobenzene	0.500	0.612		ug/L		122	50 - 150
Bromochloromethane	0.500	0.553		ug/L		111	50 - 150
Bromoform	0.500	0.528		ug/L		106	50 - 150
Bromomethane	0.500	0.779	*	ug/L		156	50 - 150
Carbon disulfide	0.500	0.627		ug/L		125	50 - 150
Carbon tetrachloride	0.500	0.629		ug/L		126	50 - 150
Chlorobenzene	0.500	0.628		ug/L		126	50 - 150
Chlorodibromomethane	0.500	0.556		ug/L		111	50 - 150
Chloroethane	0.500	0.575		ug/L		115	50 - 150
Chloroform	0.500	0.622		ug/L		124	50 - 150
Chloromethane	0.500	0.681		ug/L		136	50 - 150
cis-1,3-Dichloropropene	0.500	0.575		ug/L		115	50 - 150
Dibromomethane	0.500	0.571		ug/L		114	50 - 150
Dichlorobromomethane	0.500	0.573		ug/L		115	50 - 150
Dichlorodifluoromethane	0.500	0.520		ug/L		104	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-268327/5
Matrix: Water
Analysis Batch: 268327

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.500	0.626		ug/L		125	50 - 150
Hexachlorobutadiene	0.500	0.654		ug/L		131	50 - 150
Isopropylbenzene	0.500	0.600		ug/L		120	50 - 150
Methyl tert-butyl ether	0.500	0.567		ug/L		113	50 - 150
Methylene Chloride	0.500	0.892	*	ug/L		178	50 - 150
Naphthalene	0.500	0.609		ug/L		122	50 - 150
n-Butylbenzene	0.500	0.613		ug/L		123	50 - 150
n-Propylbenzene	0.500	0.618		ug/L		124	50 - 150
sec-Butylbenzene	0.500	0.639		ug/L		128	50 - 150
Styrene	0.500	0.598		ug/L		120	50 - 150
tert-Butylbenzene	0.500	0.626		ug/L		125	50 - 150
Tetrachloroethene	0.500	0.666		ug/L		133	50 - 150
Toluene	0.500	0.595		ug/L		119	50 - 150
trans-1,2-Dichloroethene	0.500	0.585		ug/L		117	50 - 150
trans-1,3-Dichloropropene	0.500	0.545		ug/L		109	50 - 150
Trichloroethene	0.500	0.640		ug/L		128	50 - 150
Trichlorofluoromethane	0.500	0.557		ug/L		111	50 - 150
Xylenes, Total	1.00	ND		ug/L		62	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 480-268417/6
Matrix: Water
Analysis Batch: 268417

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	ND		0.50	0.074	ug/L			10/13/15 12:32	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 12:32	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 12:32	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-268417/6
Matrix: Water
Analysis Batch: 268417

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 12:32	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
2-Hexanone	ND		10	10	ug/L			10/13/15 12:32	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 12:32	1
Acetone	ND		10	10	ug/L			10/13/15 12:32	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 12:32	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/13/15 12:32	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 12:32	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
t-Butanol	ND		10	10	ug/L			10/13/15 12:32	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 12:32	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-268417/6
Matrix: Water
Analysis Batch: 268417

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 12:32	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 12:32	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 12:32	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 12:32	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 12:32	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 12:32	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 12:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/13/15 12:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/13/15 12:32*	*1*

Lab Sample ID: LCS 480-268417/3
Matrix: Water
Analysis Batch: 268417

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	4.00	3.90		ug/L		97	70 - 130
cis-1,2-Dichloroethene	4.00	4.00		ug/L		100	70 - 130
Vinyl chloride	4.00	3.84		ug/L		96	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	3.98		ug/L		100	70 - 130
1,1,1-Trichloroethane	4.00	3.90		ug/L		97	70 - 130
1,1,2,2-Tetrachloroethane	4.00	4.05		ug/L		101	70 - 130
1,1,2-Trichloroethane	4.00	4.06		ug/L		101	70 - 130
1,1-Dichloroethene	4.00	4.04		ug/L		101	70 - 130
1,1-Dichloropropene	4.00	4.01		ug/L		100	70 - 130
1,2,3-Trichlorobenzene	4.00	3.94		ug/L		98	70 - 130
1,2,3-Trichloropropane	4.00	4.23		ug/L		106	70 - 130
1,2,4-Trichlorobenzene	4.00	4.09		ug/L		102	70 - 130
1,2,4-Trimethylbenzene	4.00	4.00		ug/L		100	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	4.11		ug/L		103	70 - 130
1,2-Dibromoethane	4.00	4.30		ug/L		107	70 - 130
1,2-Dichlorobenzene	4.00	4.02		ug/L		100	70 - 130
1,2-Dichloroethane	4.00	4.09		ug/L		102	70 - 130
1,2-Dichloropropane	4.00	4.14		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	4.00	4.06		ug/L		101	70 - 130
1,3-Dichlorobenzene	4.00	3.98		ug/L		99	70 - 130
1,3-Dichloropropane	4.00	4.20		ug/L		105	70 - 130
1,4-Dichlorobenzene	4.00	4.13		ug/L		103	70 - 130
2,2-Dichloropropane	4.00	3.64		ug/L		91	70 - 130
2-Butanone (MEK)	20.0	21.0		ug/L		105	70 - 130
2-Chlorotoluene	4.00	4.07		ug/L		102	70 - 130
2-Hexanone	20.0	20.1		ug/L		101	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-268417/3
Matrix: Water
Analysis Batch: 268417

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	4.00	4.15		ug/L		104	70 - 130
4-Isopropyltoluene	4.00	4.05		ug/L		101	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	20.6		ug/L		103	70 - 130
Acetone	20.0	20.3		ug/L		101	70 - 130
Benzene	4.00	3.94		ug/L		98	70 - 130
Bromobenzene	4.00	4.21		ug/L		105	70 - 130
Bromochloromethane	4.00	3.99		ug/L		100	70 - 130
Bromoform	4.00	4.14		ug/L		103	70 - 130
Bromomethane	4.00	3.92		ug/L		98	70 - 130
Carbon disulfide	4.00	3.89		ug/L		97	70 - 130
Carbon tetrachloride	4.00	4.15		ug/L		104	70 - 130
Chlorobenzene	4.00	4.13		ug/L		103	70 - 130
Chlorodibromomethane	4.00	3.88		ug/L		97	70 - 130
Chloroethane	4.00	3.86		ug/L		96	70 - 130
Chloroform	4.00	3.96		ug/L		99	70 - 130
Chloromethane	4.00	3.88		ug/L		97	70 - 130
cis-1,3-Dichloropropene	4.00	4.07		ug/L		102	70 - 130
Dibromomethane	4.00	4.06		ug/L		101	70 - 130
Dichlorobromomethane	4.00	3.99		ug/L		100	70 - 130
Dichlorodifluoromethane	4.00	3.55		ug/L		89	70 - 130
Ethylbenzene	4.00	4.00		ug/L		100	70 - 130
Hexachlorobutadiene	4.00	4.07		ug/L		102	70 - 130
Isopropylbenzene	4.00	4.05		ug/L		101	70 - 130
Methyl tert-butyl ether	4.00	3.91		ug/L		98	70 - 130
Methylene Chloride	4.00	4.17		ug/L		104	70 - 130
Naphthalene	4.00	4.01		ug/L		100	70 - 130
n-Butylbenzene	4.00	3.98		ug/L		100	70 - 130
n-Propylbenzene	4.00	4.04		ug/L		101	70 - 130
sec-Butylbenzene	4.00	4.03		ug/L		101	70 - 130
Styrene	4.00	3.94		ug/L		98	70 - 130
tert-Butylbenzene	4.00	4.04		ug/L		101	70 - 130
Tetrachloroethene	4.00	4.14		ug/L		103	70 - 130
Toluene	4.00	3.94		ug/L		98	70 - 130
trans-1,2-Dichloroethene	4.00	4.06		ug/L		101	70 - 130
trans-1,3-Dichloropropene	4.00	3.88		ug/L		97	70 - 130
Trichloroethene	4.00	4.05		ug/L		101	70 - 130
Trichlorofluoromethane	4.00	3.78		ug/L		94	70 - 130
Xylenes, Total	8.00	7.94		ug/L		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-268417/4
Matrix: Water
Analysis Batch: 268417

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	4.00	3.78		ug/L		95	70 - 130	3	20
cis-1,2-Dichloroethene	4.00	3.88		ug/L		97	70 - 130	3	20
Vinyl chloride	4.00	3.75		ug/L		94	70 - 130	2	20

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.00	3.83		ug/L		96	70 - 130	4	20
1,1,1-Trichloroethane	4.00	3.82		ug/L		95	70 - 130	2	20
1,1,2,2-Tetrachloroethane	4.00	3.83		ug/L		96	70 - 130	5	20
1,1,2-Trichloroethane	4.00	4.05		ug/L		101	70 - 130	0	20
1,1-Dichloroethene	4.00	3.90		ug/L		97	70 - 130	4	20
1,1-Dichloropropene	4.00	3.78		ug/L		95	70 - 130	6	20
1,2,3-Trichlorobenzene	4.00	3.83		ug/L		96	70 - 130	3	20
1,2,3-Trichloropropane	4.00	4.04		ug/L		101	70 - 130	4	20
1,2,4-Trichlorobenzene	4.00	3.91		ug/L		98	70 - 130	4	20
1,2,4-Trimethylbenzene	4.00	3.67		ug/L		92	70 - 130	9	20
1,2-Dibromo-3-Chloropropane	4.00	3.82		ug/L		96	70 - 130	7	20
1,2-Dibromoethane	4.00	4.10		ug/L		102	70 - 130	5	20
1,2-Dichlorobenzene	4.00	3.82		ug/L		95	70 - 130	5	20
1,2-Dichloroethane	4.00	3.92		ug/L		98	70 - 130	4	20
1,2-Dichloropropane	4.00	4.01		ug/L		100	70 - 130	3	20
1,3,5-Trimethylbenzene	4.00	3.80		ug/L		95	70 - 130	7	20
1,3-Dichlorobenzene	4.00	3.73		ug/L		93	70 - 130	6	20
1,3-Dichloropropane	4.00	4.08		ug/L		102	70 - 130	3	20
1,4-Dichlorobenzene	4.00	3.89		ug/L		97	70 - 130	6	20
2,2-Dichloropropane	4.00	3.62		ug/L		90	70 - 130	0	20
2-Butanone (MEK)	20.0	17.7		ug/L		89	70 - 130	17	20
2-Chlorotoluene	4.00	3.79		ug/L		95	70 - 130	7	20
2-Hexanone	20.0	18.2		ug/L		91	70 - 130	10	20
4-Chlorotoluene	4.00	3.81		ug/L		95	70 - 130	9	20
4-Isopropyltoluene	4.00	3.79		ug/L		95	70 - 130	7	20
4-Methyl-2-pentanone (MIBK)	20.0	18.9		ug/L		95	70 - 130	9	20
Acetone	20.0	17.2		ug/L		86	70 - 130	17	20
Benzene	4.00	3.75		ug/L		94	70 - 130	5	20
Bromobenzene	4.00	3.89		ug/L		97	70 - 130	8	20
Bromochloromethane	4.00	3.80		ug/L		95	70 - 130	5	20
Bromoform	4.00	3.92		ug/L		98	70 - 130	5	20
Bromomethane	4.00	3.96		ug/L		99	70 - 130	1	20
Carbon disulfide	4.00	3.81		ug/L		95	70 - 130	2	20
Carbon tetrachloride	4.00	3.93		ug/L		98	70 - 130	5	20
Chlorobenzene	4.00	3.97		ug/L		99	70 - 130	4	20
Chlorodibromomethane	4.00	3.63		ug/L		91	70 - 130	7	20
Chloroethane	4.00	3.84		ug/L		96	70 - 130	0	20
Chloroform	4.00	3.79		ug/L		95	70 - 130	5	20
Chloromethane	4.00	3.75		ug/L		94	70 - 130	4	20
cis-1,3-Dichloropropene	4.00	3.90		ug/L		97	70 - 130	4	20
Dibromomethane	4.00	3.91		ug/L		98	70 - 130	4	20
Dichlorobromomethane	4.00	3.82		ug/L		96	70 - 130	4	20
Dichlorodifluoromethane	4.00	3.42		ug/L		85	70 - 130	4	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-268417/4
Matrix: Water
Analysis Batch: 268417

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
Ethylbenzene	4.00	3.83		ug/L		96	70 - 130	4	20
Hexachlorobutadiene	4.00	3.90		ug/L		98	70 - 130	4	20
Isopropylbenzene	4.00	3.84		ug/L		96	70 - 130	5	20
Methyl tert-butyl ether	4.00	3.88		ug/L		97	70 - 130	1	20
Methylene Chloride	4.00	4.07		ug/L		102	70 - 130	2	20
Naphthalene	4.00	3.90		ug/L		97	70 - 130	3	20
n-Butylbenzene	4.00	3.77		ug/L		94	70 - 130	5	20
n-Propylbenzene	4.00	3.77		ug/L		94	70 - 130	7	20
sec-Butylbenzene	4.00	3.74		ug/L		94	70 - 130	7	20
Styrene	4.00	3.79		ug/L		95	70 - 130	4	20
tert-Butylbenzene	4.00	3.82		ug/L		95	70 - 130	6	20
Tetrachloroethene	4.00	3.96		ug/L		99	70 - 130	4	20
Toluene	4.00	3.75		ug/L		94	70 - 130	5	20
trans-1,2-Dichloroethene	4.00	3.88		ug/L		97	70 - 130	5	20
trans-1,3-Dichloropropene	4.00	3.65		ug/L		91	70 - 130	6	20
Trichloroethene	4.00	3.87		ug/L		97	70 - 130	5	20
Trichlorofluoromethane	4.00	3.74		ug/L		93	70 - 130	1	20
Xylenes, Total	8.00	7.67		ug/L		96	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: LLCS 480-268417/5
Matrix: Water
Analysis Batch: 268417

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.500	0.502		ug/L		100	50 - 150
cis-1,2-Dichloroethene	0.500	0.502		ug/L		100	50 - 150
Vinyl chloride	0.500	0.554		ug/L		111	50 - 150

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	ND		ug/L		93	50 - 150
1,1,1-Trichloroethane	0.500	ND		ug/L		100	50 - 150
1,1,2,2-Tetrachloroethane	0.500	ND		ug/L		99	50 - 150
1,1,2-Trichloroethane	0.500	ND		ug/L		99	50 - 150
1,1-Dichloroethene	0.500	ND		ug/L		90	50 - 150
1,1-Dichloropropene	0.500	0.541		ug/L		108	50 - 150
1,2,3-Trichlorobenzene	0.500	0.508		ug/L		102	50 - 150
1,2,3-Trichloropropane	0.500	0.506		ug/L		101	50 - 150
1,2,4-Trichlorobenzene	0.500	0.515		ug/L		103	50 - 150
1,2,4-Trimethylbenzene	0.500	ND		ug/L		97	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	ND		ug/L		91	50 - 150
1,2-Dibromoethane	0.500	0.531		ug/L		106	50 - 150
1,2-Dichlorobenzene	0.500	0.551		ug/L		110	50 - 150
1,2-Dichloroethane	0.500	0.505		ug/L		101	50 - 150
1,2-Dichloropropane	0.500	0.515		ug/L		103	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-268417/5
Matrix: Water
Analysis Batch: 268417

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	0.500	ND		ug/L		99	50 - 150
1,3-Dichlorobenzene	0.500	ND		ug/L		98	50 - 150
1,3-Dichloropropane	0.500	0.506		ug/L		101	50 - 150
1,4-Dichlorobenzene	0.500	0.536		ug/L		107	50 - 150
2,2-Dichloropropane	0.500	0.535		ug/L		107	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		119	50 - 150
2-Chlorotoluene	0.500	0.522		ug/L		104	50 - 150
2-Hexanone	2.50	ND		ug/L		101	50 - 150
4-Chlorotoluene	0.500	ND		ug/L		97	50 - 150
4-Isopropyltoluene	0.500	0.501		ug/L		100	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		102	50 - 150
Acetone	2.50	ND		ug/L		83	50 - 150
Benzene	0.500	0.544		ug/L		109	50 - 150
Bromobenzene	0.500	ND		ug/L		99	50 - 150
Bromochloromethane	0.500	ND		ug/L		95	50 - 150
Bromoform	0.500	ND		ug/L		90	50 - 150
Bromomethane	0.500	0.744		ug/L		149	50 - 150
Carbon disulfide	0.500	0.545		ug/L		109	50 - 150
Carbon tetrachloride	0.500	0.507		ug/L		101	50 - 150
Chlorobenzene	0.500	0.533		ug/L		107	50 - 150
Chlorodibromomethane	0.500	ND		ug/L		91	50 - 150
Chloroethane	0.500	0.504		ug/L		101	50 - 150
Chloroform	0.500	0.540		ug/L		108	50 - 150
Chloromethane	0.500	0.576		ug/L		115	50 - 150
cis-1,3-Dichloropropene	0.500	ND		ug/L		94	50 - 150
Dibromomethane	0.500	0.511		ug/L		102	50 - 150
Dichlorobromomethane	0.500	ND		ug/L		95	50 - 150
Dichlorodifluoromethane	0.500	ND		ug/L		81	50 - 150
Ethylbenzene	0.500	0.504		ug/L		101	50 - 150
Hexachlorobutadiene	0.500	0.544		ug/L		109	50 - 150
Isopropylbenzene	0.500	0.536		ug/L		107	50 - 150
Methyl tert-butyl ether	0.500	ND		ug/L		98	50 - 150
Methylene Chloride	0.500	0.881	*	ug/L		176	50 - 150
Naphthalene	0.500	0.512		ug/L		102	50 - 150
n-Butylbenzene	0.500	0.506		ug/L		101	50 - 150
n-Propylbenzene	0.500	ND		ug/L		97	50 - 150
sec-Butylbenzene	0.500	0.501		ug/L		100	50 - 150
Styrene	0.500	ND		ug/L		100	50 - 150
tert-Butylbenzene	0.500	ND		ug/L		97	50 - 150
Tetrachloroethene	0.500	0.544		ug/L		109	50 - 150
Toluene	0.500	ND		ug/L		98	50 - 150
trans-1,2-Dichloroethene	0.500	0.521		ug/L		104	50 - 150
trans-1,3-Dichloropropene	0.500	ND		ug/L		83	50 - 150
Trichloroethene	0.500	0.492		ug/L		98	50 - 150
Trichlorofluoromethane	0.500	ND		ug/L		100	50 - 150
Xylenes, Total	1.00	ND	*	ug/L		0	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-268417/5
Matrix: Water
Analysis Batch: 268417

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

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 480-88726-9 MS
Matrix: Water
Analysis Batch: 268417

Client Sample ID: W-151005-MB-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		4.00	4.49		ug/L		112	70 - 130
cis-1,2-Dichloroethene	ND		4.00	4.53		ug/L		113	70 - 130
Vinyl chloride	ND		4.00	4.75		ug/L		119	70 - 130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		4.00	4.13		ug/L		103	70 - 130
1,1,1-Trichloroethane	ND		4.00	4.55		ug/L		114	70 - 130
1,1,2,2-Tetrachloroethane	ND		4.00	4.22		ug/L		105	70 - 130
1,1,2-Trichloroethane	ND		4.00	4.23		ug/L		106	70 - 130
1,1-Dichloroethene	ND		4.00	4.71		ug/L		118	70 - 130
1,1-Dichloropropene	ND		4.00	4.65		ug/L		116	70 - 130
1,2,3-Trichlorobenzene	ND		4.00	4.02		ug/L		100	70 - 130
1,2,3-Trichloropropane	ND		4.00	4.32		ug/L		108	70 - 130
1,2,4-Trichlorobenzene	ND		4.00	4.11		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	ND		4.00	4.13		ug/L		103	70 - 130
1,2-Dibromo-3-Chloropropane	ND		4.00	4.18		ug/L		105	70 - 130
1,2-Dibromoethane	ND		4.00	4.38		ug/L		109	70 - 130
1,2-Dichlorobenzene	ND		4.00	4.19		ug/L		105	70 - 130
1,2-Dichloroethane	ND		4.00	4.45		ug/L		111	70 - 130
1,2-Dichloropropane	ND		4.00	4.38		ug/L		110	70 - 130
1,3,5-Trimethylbenzene	ND		4.00	4.24		ug/L		106	70 - 130
1,3-Dichlorobenzene	ND		4.00	4.22		ug/L		106	70 - 130
1,3-Dichloropropane	ND		4.00	4.30		ug/L		107	70 - 130
1,4-Dichlorobenzene	ND		4.00	4.28		ug/L		107	70 - 130
2,2-Dichloropropane	ND		4.00	3.96		ug/L		99	70 - 130
2-Butanone (MEK)	ND		20.0	23.1		ug/L		116	70 - 130
2-Chlorotoluene	ND		4.00	4.31		ug/L		108	70 - 130
2-Hexanone	ND		20.0	20.9		ug/L		104	70 - 130
4-Chlorotoluene	ND		4.00	4.12		ug/L		103	70 - 130
4-Isopropyltoluene	ND		4.00	4.24		ug/L		106	70 - 130
4-Methyl-2-pentanone (MIBK)	ND		20.0	21.3		ug/L		107	70 - 130
Acetone	ND		20.0	21.7		ug/L		109	70 - 130
Benzene	ND		4.00	4.33		ug/L		108	70 - 130
Bromobenzene	ND		4.00	4.27		ug/L		107	70 - 130
Bromochloromethane	ND		4.00	4.43		ug/L		111	70 - 130
Bromoform	ND		4.00	4.07		ug/L		102	70 - 130
Bromomethane	ND		4.00	4.03		ug/L		101	70 - 130
Carbon disulfide	ND		4.00	4.43		ug/L		111	70 - 130
Carbon tetrachloride	ND		4.00	4.57		ug/L		114	70 - 130
Chlorobenzene	ND		4.00	4.31		ug/L		108	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88726-9 MS
Matrix: Water
Analysis Batch: 268417

Client Sample ID: W-151005-MB-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	ND		4.00	3.94		ug/L		99	70 - 130
Chloroethane	ND		4.00	4.63		ug/L		116	70 - 130
Chloroform	ND		4.00	4.37		ug/L		109	70 - 130
Chloromethane	ND		4.00	4.16		ug/L		104	70 - 130
cis-1,3-Dichloropropene	ND		4.00	4.08		ug/L		102	70 - 130
Dibromomethane	ND		4.00	4.29		ug/L		107	70 - 130
Dichlorobromomethane	ND		4.00	4.11		ug/L		103	70 - 130
Dichlorodifluoromethane	ND		4.00	4.29		ug/L		107	70 - 130
Ethylbenzene	ND		4.00	4.42		ug/L		111	70 - 130
Hexachlorobutadiene	ND		4.00	4.33		ug/L		108	70 - 130
Isopropylbenzene	ND		4.00	4.41		ug/L		110	70 - 130
Methyl tert-butyl ether	ND		4.00	4.22		ug/L		105	70 - 130
Methylene Chloride	ND	*	4.00	4.59		ug/L		115	70 - 130
Naphthalene	ND		4.00	4.05		ug/L		101	70 - 130
n-Butylbenzene	ND		4.00	4.22		ug/L		105	70 - 130
n-Propylbenzene	ND		4.00	4.28		ug/L		107	70 - 130
sec-Butylbenzene	ND		4.00	4.34		ug/L		109	70 - 130
Styrene	ND		4.00	4.15		ug/L		104	70 - 130
tert-Butylbenzene	ND		4.00	4.22		ug/L		105	70 - 130
Tetrachloroethene	ND		4.00	4.47		ug/L		112	70 - 130
Toluene	ND		4.00	4.34		ug/L		109	70 - 130
trans-1,2-Dichloroethene	ND		4.00	4.62		ug/L		115	70 - 130
trans-1,3-Dichloropropene	ND		4.00	3.84		ug/L		96	70 - 130
Trichloroethene	ND		4.00	4.58		ug/L		115	70 - 130
Trichlorofluoromethane	ND		4.00	4.51		ug/L		113	70 - 130
Xylenes, Total	ND	*	8.00	8.52		ug/L		107	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 480-88726-9 MSD
Matrix: Water
Analysis Batch: 268417

Client Sample ID: W-151005-MB-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		4.00	4.34		ug/L		108	70 - 130	4	20
cis-1,2-Dichloroethene	ND		4.00	4.31		ug/L		108	70 - 130	5	20
Vinyl chloride	ND		4.00	4.87		ug/L		122	70 - 130	2	20
Analyte	**Sample Result**	**Sample Qualifier**	**Spike Added**	**MSD Result**	**MSD Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	ND		4.00	4.12		ug/L		103	70 - 130	0	20
1,1,1-Trichloroethane	ND		4.00	4.38		ug/L		109	70 - 130	4	20
1,1,2,2-Tetrachloroethane	ND		4.00	4.31		ug/L		108	70 - 130	2	20
1,1,2-Trichloroethane	ND		4.00	4.13		ug/L		103	70 - 130	2	20
1,1-Dichloroethene	ND		4.00	4.47		ug/L		112	70 - 130	5	20
1,1-Dichloropropene	ND		4.00	4.42		ug/L		110	70 - 130	5	20
1,2,3-Trichlorobenzene	ND		4.00	4.06		ug/L		101	70 - 130	1	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88726-9 MSD
Matrix: Water
Analysis Batch: 268417

Client Sample ID: W-151005-MB-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane	ND		4.00	4.37		ug/L		109	70 - 130	1	20
1,2,4-Trichlorobenzene	ND		4.00	4.07		ug/L		102	70 - 130	1	20
1,2,4-Trimethylbenzene	ND		4.00	3.91		ug/L		98	70 - 130	5	20
1,2-Dibromo-3-Chloropropane	ND		4.00	4.20		ug/L		105	70 - 130	1	20
1,2-Dibromoethane	ND		4.00	4.30		ug/L		108	70 - 130	2	20
1,2-Dichlorobenzene	ND		4.00	4.23		ug/L		106	70 - 130	1	20
1,2-Dichloroethane	ND		4.00	4.38		ug/L		109	70 - 130	2	20
1,2-Dichloropropane	ND		4.00	4.21		ug/L		105	70 - 130	4	20
1,3,5-Trimethylbenzene	ND		4.00	4.07		ug/L		102	70 - 130	4	20
1,3-Dichlorobenzene	ND		4.00	4.07		ug/L		102	70 - 130	4	20
1,3-Dichloropropane	ND		4.00	4.23		ug/L		106	70 - 130	2	20
1,4-Dichlorobenzene	ND		4.00	4.24		ug/L		106	70 - 130	1	20
2,2-Dichloropropane	ND		4.00	3.91		ug/L		98	70 - 130	1	20
2-Butanone (MEK)	ND		20.0	22.0		ug/L		110	70 - 130	5	20
2-Chlorotoluene	ND		4.00	4.23		ug/L		106	70 - 130	2	20
2-Hexanone	ND		20.0	20.7		ug/L		104	70 - 130	1	20
4-Chlorotoluene	ND		4.00	3.85		ug/L		96	70 - 130	7	20
4-Isopropyltoluene	ND		4.00	4.19		ug/L		105	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	ND		20.0	21.5		ug/L		108	70 - 130	1	20
Acetone	ND		20.0	21.2		ug/L		106	70 - 130	2	20
Benzene	ND		4.00	4.18		ug/L		104	70 - 130	4	20
Bromobenzene	ND		4.00	4.37		ug/L		109	70 - 130	2	20
Bromochloromethane	ND		4.00	4.19		ug/L		105	70 - 130	6	20
Bromoform	ND		4.00	4.10		ug/L		102	70 - 130	1	20
Bromomethane	ND		4.00	4.64		ug/L		116	70 - 130	14	20
Carbon disulfide	ND		4.00	4.32		ug/L		108	70 - 130	3	20
Carbon tetrachloride	ND		4.00	4.50		ug/L		112	70 - 130	2	20
Chlorobenzene	ND		4.00	4.24		ug/L		106	70 - 130	2	20
Chlorodibromomethane	ND		4.00	3.80		ug/L		95	70 - 130	4	20
Chloroethane	ND		4.00	4.94		ug/L		124	70 - 130	7	20
Chloroform	ND		4.00	4.13		ug/L		103	70 - 130	6	20
Chloromethane	ND		4.00	4.87		ug/L		122	70 - 130	16	20
cis-1,3-Dichloropropene	ND		4.00	3.95		ug/L		99	70 - 130	3	20
Dibromomethane	ND		4.00	4.09		ug/L		102	70 - 130	5	20
Dichlorobromomethane	ND		4.00	3.97		ug/L		99	70 - 130	3	20
Dichlorodifluoromethane	ND		4.00	4.67		ug/L		117	70 - 130	9	20
Ethylbenzene	ND		4.00	4.20		ug/L		105	70 - 130	5	20
Hexachlorobutadiene	ND		4.00	4.26		ug/L		106	70 - 130	2	20
Isopropylbenzene	ND		4.00	4.19		ug/L		105	70 - 130	5	20
Methyl tert-butyl ether	ND		4.00	4.17		ug/L		104	70 - 130	1	20
Methylene Chloride	ND	*	4.00	4.54		ug/L		114	70 - 130	1	20
Naphthalene	ND		4.00	4.12		ug/L		103	70 - 130	2	20
n-Butylbenzene	ND		4.00	4.09		ug/L		102	70 - 130	3	20
n-Propylbenzene	ND		4.00	4.15		ug/L		104	70 - 130	3	20
sec-Butylbenzene	ND		4.00	4.20		ug/L		105	70 - 130	3	20
Styrene	ND		4.00	3.99		ug/L		100	70 - 130	4	20
tert-Butylbenzene	ND		4.00	4.08		ug/L		102	70 - 130	3	20
Tetrachloroethene	ND		4.00	4.29		ug/L		107	70 - 130	4	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88726-9 MSD
Matrix: Water
Analysis Batch: 268417

Client Sample ID: W-151005-MB-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		4.00	4.02		ug/L		100	70 - 130	8	20
trans-1,2-Dichloroethene	ND		4.00	4.39		ug/L		110	70 - 130	5	20
trans-1,3-Dichloropropene	ND		4.00	3.81		ug/L		95	70 - 130	1	20
Trichloroethene	ND		4.00	4.29		ug/L		107	70 - 130	7	20
Trichlorofluoromethane	ND		4.00	4.81		ug/L		120	70 - 130	7	20
Xylenes, Total	ND	*	8.00	8.17		ug/L		102	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 480-268578/6
Matrix: Water
Analysis Batch: 268578

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	ND		0.50	0.074	ug/L			10/13/15 23:28	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/13/15 23:28	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/13/15 23:28	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
2-Butanone (MEK)	ND		10	10	ug/L			10/13/15 23:28	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
2-Hexanone	ND		10	10	ug/L			10/13/15 23:28	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/13/15 23:28	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-268578/6
Matrix: Water
Analysis Batch: 268578

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	10	ug/L			10/13/15 23:28	1
Acrylonitrile	ND		10	10	ug/L			10/13/15 23:28	1
Allyl chloride	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Benzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Bromobenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Bromoform	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Bromomethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Chloroethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Chloroform	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Chloromethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Dibromomethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Ethyl ether	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Iodomethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/13/15 23:28	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/13/15 23:28	1
Naphthalene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
o-Xylene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Styrene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
t-Butanol	ND		10	10	ug/L			10/13/15 23:28	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Toluene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/13/15 23:28	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/13/15 23:28	1
Trichloroethene	ND		0.20	0.20	ug/L			10/13/15 23:28	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/13/15 23:28	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/13/15 23:28	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/13/15 23:28	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/13/15 23:28	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-268578/6
Matrix: Water
Analysis Batch: 268578

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4	101		80 - 120		10/13/15 23:28	1
4-Bromofluorobenzene (Surr)	97		80 - 120		10/13/15 23:28	1

Lab Sample ID: LCS 480-268578/3
Matrix: Water
Analysis Batch: 268578

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	4.00	3.97		ug/L		99	70 - 130
cis-1,2-Dichloroethene	4.00	4.06		ug/L		102	70 - 130
Vinyl chloride	4.00	3.82		ug/L		96	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	4.04		ug/L		101	70 - 130
1,1,1-Trichloroethane	4.00	4.09		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	4.00	4.13		ug/L		103	70 - 130
1,1,2-Trichloroethane	4.00	3.98		ug/L		99	70 - 130
1,1-Dichloroethene	4.00	4.28		ug/L		107	70 - 130
1,1-Dichloropropene	4.00	4.15		ug/L		104	70 - 130
1,2,3-Trichlorobenzene	4.00	3.89		ug/L		97	70 - 130
1,2,3-Trichloropropane	4.00	4.30		ug/L		107	70 - 130
1,2,4-Trichlorobenzene	4.00	4.02		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	4.00	4.06		ug/L		102	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	4.16		ug/L		104	70 - 130
1,2-Dibromoethane	4.00	4.24		ug/L		106	70 - 130
1,2-Dichlorobenzene	4.00	4.19		ug/L		105	70 - 130
1,2-Dichloroethane	4.00	4.05		ug/L		101	70 - 130
1,2-Dichloropropane	4.00	4.12		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	4.00	4.08		ug/L		102	70 - 130
1,3-Dichlorobenzene	4.00	4.17		ug/L		104	70 - 130
1,3-Dichloropropane	4.00	4.03		ug/L		101	70 - 130
1,4-Dichlorobenzene	4.00	4.18		ug/L		105	70 - 130
2,2-Dichloropropane	4.00	3.72		ug/L		93	70 - 130
2-Butanone (MEK)	20.0	18.5		ug/L		93	70 - 130
2-Chlorotoluene	4.00	4.10		ug/L		102	70 - 130
2-Hexanone	20.0	19.1		ug/L		95	70 - 130
4-Chlorotoluene	4.00	4.18		ug/L		105	70 - 130
4-Isopropyltoluene	4.00	4.18		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	19.9		ug/L		99	70 - 130
Acetone	20.0	15.9		ug/L		80	70 - 130
Benzene	4.00	4.02		ug/L		100	70 - 130
Bromobenzene	4.00	4.21		ug/L		105	70 - 130
Bromochloromethane	4.00	4.03		ug/L		101	70 - 130
Bromoform	4.00	4.13		ug/L		103	70 - 130
Bromomethane	4.00	4.04		ug/L		101	70 - 130
Carbon disulfide	4.00	4.23		ug/L		106	70 - 130
Carbon tetrachloride	4.00	4.19		ug/L		105	70 - 130
Chlorobenzene	4.00	4.07		ug/L		102	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-268578/3
Matrix: Water
Analysis Batch: 268578

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	4.00	3.87		ug/L		97	70 - 130
Chloroethane	4.00	4.08		ug/L		102	70 - 130
Chloroform	4.00	4.02		ug/L		100	70 - 130
Chloromethane	4.00	3.89		ug/L		97	70 - 130
cis-1,3-Dichloropropene	4.00	3.99		ug/L		100	70 - 130
Dibromomethane	4.00	4.00		ug/L		100	70 - 130
Dichlorobromomethane	4.00	3.98		ug/L		99	70 - 130
Dichlorodifluoromethane	4.00	3.47		ug/L		87	70 - 130
Ethylbenzene	4.00	4.08		ug/L		102	70 - 130
Hexachlorobutadiene	4.00	4.11		ug/L		103	70 - 130
Isopropylbenzene	4.00	4.09		ug/L		102	70 - 130
Methyl tert-butyl ether	4.00	4.01		ug/L		100	70 - 130
Methylene Chloride	4.00	4.44		ug/L		111	70 - 130
Naphthalene	4.00	3.99		ug/L		100	70 - 130
n-Butylbenzene	4.00	4.06		ug/L		102	70 - 130
n-Propylbenzene	4.00	4.08		ug/L		102	70 - 130
sec-Butylbenzene	4.00	4.10		ug/L		103	70 - 130
Styrene	4.00	4.07		ug/L		102	70 - 130
tert-Butylbenzene	4.00	4.15		ug/L		104	70 - 130
Tetrachloroethene	4.00	4.18		ug/L		105	70 - 130
Toluene	4.00	4.07		ug/L		102	70 - 130
trans-1,2-Dichloroethene	4.00	4.16		ug/L		104	70 - 130
trans-1,3-Dichloropropene	4.00	3.79		ug/L		95	70 - 130
Trichloroethene	4.00	4.21		ug/L		105	70 - 130
Trichlorofluoromethane	4.00	3.80		ug/L		95	70 - 130
Xylenes, Total	8.00	7.99		ug/L		100	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 480-268578/4
Matrix: Water
Analysis Batch: 268578

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	4.00	3.96		ug/L		99	70 - 130	0	20
cis-1,2-Dichloroethene	4.00	4.09		ug/L		102	70 - 130	1	20
Vinyl chloride	4.00	3.86		ug/L		96	70 - 130	1	20
Analyte	**Spike Added**	**LCSD Result**	**LCSD Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	4.00	4.02		ug/L		101	70 - 130	0	20
1,1,1-Trichloroethane	4.00	4.01		ug/L		100	70 - 130	2	20
1,1,2,2-Tetrachloroethane	4.00	4.32		ug/L		108	70 - 130	5	20
1,1,2-Trichloroethane	4.00	4.03		ug/L		101	70 - 130	1	20
1,1-Dichloroethene	4.00	4.18		ug/L		105	70 - 130	2	20
1,1-Dichloropropene	4.00	4.14		ug/L		103	70 - 130	0	20
1,2,3-Trichlorobenzene	4.00	4.12		ug/L		103	70 - 130	6	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-268578/4
Matrix: Water
Analysis Batch: 268578

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
1,2,3-Trichloropropane	4.00	4.47		ug/L		112	70 - 130	4	20
1,2,4-Trichlorobenzene	4.00	4.20		ug/L		105	70 - 130	4	20
1,2,4-Trimethylbenzene	4.00	4.21		ug/L		105	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	4.00	4.09		ug/L		102	70 - 130	1	20
1,2-Dibromoethane	4.00	4.35		ug/L		109	70 - 130	2	20
1,2-Dichlorobenzene	4.00	4.13		ug/L		103	70 - 130	2	20
1,2-Dichloroethane	4.00	4.10		ug/L		103	70 - 130	1	20
1,2-Dichloropropane	4.00	4.20		ug/L		105	70 - 130	2	20
1,3,5-Trimethylbenzene	4.00	4.18		ug/L		104	70 - 130	2	20
1,3-Dichlorobenzene	4.00	4.19		ug/L		105	70 - 130	1	20
1,3-Dichloropropane	4.00	4.23		ug/L		106	70 - 130	5	20
1,4-Dichlorobenzene	4.00	4.29		ug/L		107	70 - 130	3	20
2,2-Dichloropropane	4.00	3.77		ug/L		94	70 - 130	1	20
2-Butanone (MEK)	20.0	20.2		ug/L		101	70 - 130	9	20
2-Chlorotoluene	4.00	4.22		ug/L		105	70 - 130	3	20
2-Hexanone	20.0	20.4		ug/L		102	70 - 130	7	20
4-Chlorotoluene	4.00	4.28		ug/L		107	70 - 130	2	20
4-Isopropyltoluene	4.00	4.30		ug/L		107	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	20.0	20.6		ug/L		103	70 - 130	4	20
Acetone	20.0	19.5		ug/L		97	70 - 130	20	20
Benzene	4.00	4.01		ug/L		100	70 - 130	0	20
Bromobenzene	4.00	4.30		ug/L		107	70 - 130	2	20
Bromochloromethane	4.00	3.96		ug/L		99	70 - 130	2	20
Bromoform	4.00	4.09		ug/L		102	70 - 130	1	20
Bromomethane	4.00	3.87		ug/L		97	70 - 130	4	20
Carbon disulfide	4.00	3.91		ug/L		98	70 - 130	8	20
Carbon tetrachloride	4.00	4.23		ug/L		106	70 - 130	1	20
Chlorobenzene	4.00	4.22		ug/L		105	70 - 130	3	20
Chlorodibromomethane	4.00	3.97		ug/L		99	70 - 130	3	20
Chloroethane	4.00	3.86		ug/L		97	70 - 130	6	20
Chloroform	4.00	3.97		ug/L		99	70 - 130	1	20
Chloromethane	4.00	3.91		ug/L		98	70 - 130	1	20
cis-1,3-Dichloropropene	4.00	3.99		ug/L		100	70 - 130	0	20
Dibromomethane	4.00	4.08		ug/L		102	70 - 130	2	20
Dichlorobromomethane	4.00	3.95		ug/L		99	70 - 130	1	20
Dichlorodifluoromethane	4.00	3.43		ug/L		86	70 - 130	1	20
Ethylbenzene	4.00	4.18		ug/L		105	70 - 130	3	20
Hexachlorobutadiene	4.00	4.24		ug/L		106	70 - 130	3	20
Isopropylbenzene	4.00	4.12		ug/L		103	70 - 130	1	20
Methyl tert-butyl ether	4.00	4.00		ug/L		100	70 - 130	0	20
Methylene Chloride	4.00	4.40		ug/L		110	70 - 130	1	20
Naphthalene	4.00	4.09		ug/L		102	70 - 130	3	20
n-Butylbenzene	4.00	4.18		ug/L		105	70 - 130	3	20
n-Propylbenzene	4.00	4.25		ug/L		106	70 - 130	4	20
sec-Butylbenzene	4.00	4.26		ug/L		106	70 - 130	4	20
Styrene	4.00	4.05		ug/L		101	70 - 130	0	20
tert-Butylbenzene	4.00	4.25		ug/L		106	70 - 130	2	20
Tetrachloroethene	4.00	4.38		ug/L		110	70 - 130	5	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-268578/4
Matrix: Water
Analysis Batch: 268578

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	4.00	4.04		ug/L		101	70 - 130	1	20
trans-1,2-Dichloroethene	4.00	4.21		ug/L		105	70 - 130	1	20
trans-1,3-Dichloropropene	4.00	3.75		ug/L		94	70 - 130	1	20
Trichloroethene	4.00	4.22		ug/L		105	70 - 130	0	20
Trichlorofluoromethane	4.00	3.76		ug/L		94	70 - 130	1	20
Xylenes, Total	8.00	7.94		ug/L		99	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: LLCS 480-268578/5
Matrix: Water
Analysis Batch: 268578

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.500	0.637		ug/L		127	50 - 150
cis-1,2-Dichloroethene	0.500	0.620		ug/L		124	50 - 150
Vinyl chloride	0.500	0.606		ug/L		121	50 - 150

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	0.573		ug/L		115	50 - 150
1,1,1-Trichloroethane	0.500	0.643		ug/L		129	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.651		ug/L		130	50 - 150
1,1,2-Trichloroethane	0.500	0.616		ug/L		123	50 - 150
1,1-Dichloroethene	0.500	0.701		ug/L		140	50 - 150
1,1-Dichloropropene	0.500	0.650		ug/L		130	50 - 150
1,2,3-Trichlorobenzene	0.500	0.640		ug/L		128	50 - 150
1,2,3-Trichloropropane	0.500	0.603		ug/L		121	50 - 150
1,2,4-Trichlorobenzene	0.500	0.652		ug/L		130	50 - 150
1,2,4-Trimethylbenzene	0.500	0.633		ug/L		127	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	0.589		ug/L		118	50 - 150
1,2-Dibromoethane	0.500	0.606		ug/L		121	50 - 150
1,2-Dichlorobenzene	0.500	0.660		ug/L		132	50 - 150
1,2-Dichloroethane	0.500	0.634		ug/L		127	50 - 150
1,2-Dichloropropane	0.500	0.637		ug/L		127	50 - 150
1,3,5-Trimethylbenzene	0.500	0.639		ug/L		128	50 - 150
1,3-Dichlorobenzene	0.500	0.640		ug/L		128	50 - 150
1,3-Dichloropropane	0.500	0.632		ug/L		126	50 - 150
1,4-Dichlorobenzene	0.500	0.679		ug/L		136	50 - 150
2,2-Dichloropropane	0.500	0.654		ug/L		131	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		137	50 - 150
2-Chlorotoluene	0.500	0.670		ug/L		134	50 - 150
2-Hexanone	2.50	ND		ug/L		119	50 - 150
4-Chlorotoluene	0.500	0.606		ug/L		121	50 - 150
4-Isopropyltoluene	0.500	0.648		ug/L		130	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		123	50 - 150
Acetone	2.50	ND		ug/L		120	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-268578/5
Matrix: Water
Analysis Batch: 268578

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.500	0.657		ug/L		131	50 - 150
Bromobenzene	0.500	0.625		ug/L		125	50 - 150
Bromochloromethane	0.500	0.554		ug/L		111	50 - 150
Bromoform	0.500	0.527		ug/L		105	50 - 150
Bromomethane	0.500	0.822	*	ug/L		164	50 - 150
Carbon disulfide	0.500	0.668		ug/L		134	50 - 150
Carbon tetrachloride	0.500	0.634		ug/L		127	50 - 150
Chlorobenzene	0.500	0.642		ug/L		128	50 - 150
Chlorodibromomethane	0.500	0.546		ug/L		109	50 - 150
Chloroethane	0.500	0.558		ug/L		112	50 - 150
Chloroform	0.500	0.654		ug/L		131	50 - 150
Chloromethane	0.500	0.662		ug/L		132	50 - 150
cis-1,3-Dichloropropene	0.500	0.613		ug/L		123	50 - 150
Dibromomethane	0.500	0.633		ug/L		127	50 - 150
Dichlorobromomethane	0.500	0.609		ug/L		122	50 - 150
Dichlorodifluoromethane	0.500	0.554		ug/L		111	50 - 150
Ethylbenzene	0.500	0.631		ug/L		126	50 - 150
Hexachlorobutadiene	0.500	0.657		ug/L		131	50 - 150
Isopropylbenzene	0.500	0.643		ug/L		129	50 - 150
Methyl tert-butyl ether	0.500	0.623		ug/L		125	50 - 150
Methylene Chloride	0.500	0.933	*	ug/L		187	50 - 150
Naphthalene	0.500	0.609		ug/L		122	50 - 150
n-Butylbenzene	0.500	0.662		ug/L		132	50 - 150
n-Propylbenzene	0.500	0.660		ug/L		132	50 - 150
sec-Butylbenzene	0.500	0.648		ug/L		130	50 - 150
Styrene	0.500	0.590		ug/L		118	50 - 150
tert-Butylbenzene	0.500	0.668		ug/L		134	50 - 150
Tetrachloroethene	0.500	0.626		ug/L		125	50 - 150
Toluene	0.500	0.638		ug/L		128	50 - 150
trans-1,2-Dichloroethene	0.500	0.604		ug/L		121	50 - 150
trans-1,3-Dichloropropene	0.500	0.555		ug/L		111	50 - 150
Trichloroethene	0.500	0.643		ug/L		129	50 - 150
Trichlorofluoromethane	0.500	0.553		ug/L		111	50 - 150
Xylenes, Total	1.00	ND		ug/L		62	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*

Lab Sample ID: 480-88726-32 MS
Matrix: Water
Analysis Batch: 268578

Client Sample ID: W-151006-MB-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		4.00	4.76		ug/L		119	70 - 130
cis-1,2-Dichloroethene	ND		4.00	4.84		ug/L		121	70 - 130
Vinyl chloride	ND		4.00	5.19		ug/L		130	70 - 130

QC Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		4.00	4.59		ug/L		115	70 - 130
1,1,1-Trichloroethane	ND		4.00	4.88		ug/L		122	70 - 130
1,1,2,2-Tetrachloroethane	ND		4.00	4.77		ug/L		119	70 - 130
1,1,2-Trichloroethane	ND		4.00	4.75		ug/L		119	70 - 130
1,1-Dichloroethene	ND		4.00	5.08		ug/L		127	70 - 130
1,1-Dichloropropene	ND		4.00	4.99		ug/L		125	70 - 130
1,2,3-Trichlorobenzene	ND		4.00	4.34		ug/L		108	70 - 130
1,2,3-Trichloropropane	ND		4.00	4.85		ug/L		121	70 - 130
1,2,4-Trichlorobenzene	ND		4.00	4.48		ug/L		112	70 - 130
1,2,4-Trimethylbenzene	ND		4.00	3.97		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	ND		4.00	4.40		ug/L		110	70 - 130
1,2-Dibromoethane	ND		4.00	4.94		ug/L		123	70 - 130
1,2-Dichlorobenzene	ND		4.00	4.58		ug/L		114	70 - 130
1,2-Dichloroethane	ND		4.00	4.83		ug/L		121	70 - 130
1,2-Dichloropropane	ND		4.00	4.91		ug/L		123	70 - 130
1,3,5-Trimethylbenzene	ND		4.00	3.81		ug/L		95	70 - 130
1,3-Dichlorobenzene	ND		4.00	4.57		ug/L		114	70 - 130
1,3-Dichloropropane	ND		4.00	4.82		ug/L		120	70 - 130
1,4-Dichlorobenzene	ND		4.00	4.68		ug/L		117	70 - 130
2,2-Dichloropropane	ND		4.00	4.13		ug/L		103	70 - 130
2-Butanone (MEK)	ND		20.0	25.2		ug/L		126	70 - 130
2-Chlorotoluene	ND		4.00	4.44		ug/L		111	70 - 130
2-Hexanone	ND		20.0	23.7		ug/L		119	70 - 130
4-Chlorotoluene	ND		4.00	4.70		ug/L		118	70 - 130
4-Isopropyltoluene	ND		4.00	4.40		ug/L		110	70 - 130
4-Methyl-2-pentanone (MIBK)	ND		20.0	23.6		ug/L		118	70 - 130
Acetone	ND		20.0	24.6		ug/L		123	70 - 130
Benzene	ND		4.00	4.76		ug/L		119	70 - 130
Bromobenzene	ND		4.00	4.75		ug/L		119	70 - 130
Bromochloromethane	ND		4.00	4.68		ug/L		117	70 - 130
Bromoform	ND		4.00	4.05		ug/L		101	70 - 130
Bromomethane	ND	*	4.00	4.99		ug/L		125	70 - 130
Carbon disulfide	ND		4.00	4.56		ug/L		114	70 - 130
Carbon tetrachloride	ND		4.00	4.96		ug/L		124	70 - 130
Chlorobenzene	ND		4.00	4.75		ug/L		119	70 - 130
Chlorodibromomethane	ND		4.00	4.17		ug/L		104	70 - 130
Chloroethane	ND	F1	4.00	5.23	F1	ug/L		131	70 - 130
Chloroform	ND		4.00	4.65		ug/L		116	70 - 130
Chloromethane	ND	F1	4.00	5.24	F1	ug/L		131	70 - 130
cis-1,3-Dichloropropene	ND		4.00	4.58		ug/L		114	70 - 130
Dibromomethane	ND		4.00	4.63		ug/L		116	70 - 130
Dichlorobromomethane	ND		4.00	4.57		ug/L		114	70 - 130
Dichlorodifluoromethane	ND		4.00	4.59		ug/L		115	70 - 130
Ethylbenzene	ND		4.00	4.61		ug/L		115	70 - 130
Hexachlorobutadiene	ND		4.00	4.46		ug/L		112	70 - 130
Isopropylbenzene	ND		4.00	4.59		ug/L		115	70 - 130
Methyl tert-butyl ether	ND		4.00	4.68		ug/L		117	70 - 130
Methylene Chloride	ND	*	4.00	4.96		ug/L		124	70 - 130
Naphthalene	ND		4.00	4.34		ug/L		109	70 - 130
n-Butylbenzene	ND		4.00	4.45		ug/L		111	70 - 130
n-Propylbenzene	ND		4.00	4.53		ug/L		113	70 - 130
sec-Butylbenzene	ND		4.00	4.56		ug/L		114	70 - 130
Styrene	ND		4.00	3.43		ug/L		86	70 - 130
tert-Butylbenzene	ND		4.00	4.68		ug/L		117	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88726-32 MS
Matrix: Water
Analysis Batch: 268578

Client Sample ID: W-151006-MB-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	ND		4.00	4.76		ug/L		119	70 - 130
Toluene	ND		4.00	4.61		ug/L		115	70 - 130
trans-1,2-Dichloroethene	ND		4.00	4.97		ug/L		124	70 - 130
trans-1,3-Dichloropropene	ND		4.00	4.33		ug/L		108	70 - 130
Trichloroethene	ND		4.00	4.93		ug/L		123	70 - 130
Trichlorofluoromethane	ND		4.00	4.68		ug/L		117	70 - 130
Xylenes, Total	ND		8.00	8.63		ug/L		108	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 480-88726-32 MSD
Matrix: Water
Analysis Batch: 268578

Client Sample ID: W-151006-MB-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		4.00	4.64		ug/L		116	70 - 130	3	20
cis-1,2-Dichloroethene	ND		4.00	4.69		ug/L		117	70 - 130	3	20
Vinyl chloride	ND		4.00	4.99		ug/L		125	70 - 130	4	20
Analyte	**Sample Result**	**Sample Qualifier**	**Spike Added**	**MSD Result**	**MSD Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	ND		4.00	4.38		ug/L		109	70 - 130	5	20
1,1,1-Trichloroethane	ND		4.00	4.72		ug/L		118	70 - 130	3	20
1,1,2,2-Tetrachloroethane	ND		4.00	4.62		ug/L		116	70 - 130	3	20
1,1,2-Trichloroethane	ND		4.00	4.61		ug/L		115	70 - 130	3	20
1,1-Dichloroethene	ND		4.00	4.78		ug/L		120	70 - 130	6	20
1,1-Dichloropropene	ND		4.00	4.69		ug/L		117	70 - 130	6	20
1,2,3-Trichlorobenzene	ND		4.00	4.34		ug/L		109	70 - 130	0	20
1,2,3-Trichloropropane	ND		4.00	4.92		ug/L		123	70 - 130	1	20
1,2,4-Trichlorobenzene	ND		4.00	4.41		ug/L		110	70 - 130	2	20
1,2,4-Trimethylbenzene	ND		4.00	4.06		ug/L		101	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	ND		4.00	4.22		ug/L		105	70 - 130	4	20
1,2-Dibromoethane	ND		4.00	4.77		ug/L		119	70 - 130	3	20
1,2-Dichlorobenzene	ND		4.00	4.54		ug/L		114	70 - 130	1	20
1,2-Dichloroethane	ND		4.00	4.70		ug/L		117	70 - 130	3	20
1,2-Dichloropropane	ND		4.00	4.75		ug/L		119	70 - 130	3	20
1,3,5-Trimethylbenzene	ND		4.00	3.90		ug/L		98	70 - 130	3	20
1,3-Dichlorobenzene	ND		4.00	4.53		ug/L		113	70 - 130	1	20
1,3-Dichloropropane	ND		4.00	4.73		ug/L		118	70 - 130	2	20
1,4-Dichlorobenzene	ND		4.00	4.60		ug/L		115	70 - 130	2	20
2,2-Dichloropropane	ND		4.00	3.87		ug/L		97	70 - 130	6	20
2-Butanone (MEK)	ND		20.0	23.6		ug/L		118	70 - 130	7	20
2-Chlorotoluene	ND		4.00	4.47		ug/L		112	70 - 130	1	20
2-Hexanone	ND		20.0	22.8		ug/L		114	70 - 130	4	20
4-Chlorotoluene	ND		4.00	4.52		ug/L		113	70 - 130	4	20
4-Isopropyltoluene	ND		4.00	4.43		ug/L		111	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	ND		20.0	22.5		ug/L		112	70 - 130	5	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88726-32 MSD
Matrix: Water
Analysis Batch: 268578

Client Sample ID: W-151006-MB-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		20.0	22.0		ug/L		110	70 - 130	11	20
Benzene	ND		4.00	4.65		ug/L		116	70 - 130	2	20
Bromobenzene	ND		4.00	4.82		ug/L		121	70 - 130	2	20
Bromochloromethane	ND		4.00	4.54		ug/L		114	70 - 130	3	20
Bromoform	ND		4.00	3.87		ug/L		97	70 - 130	5	20
Bromomethane	ND	*	4.00	4.91		ug/L		123	70 - 130	2	20
Carbon disulfide	ND		4.00	4.41		ug/L		110	70 - 130	3	20
Carbon tetrachloride	ND		4.00	4.76		ug/L		119	70 - 130	4	20
Chlorobenzene	ND		4.00	4.70		ug/L		118	70 - 130	1	20
Chlorodibromomethane	ND		4.00	3.98		ug/L		100	70 - 130	5	20
Chloroethane	ND	F1	4.00	5.13		ug/L		128	70 - 130	2	20
Chloroform	ND		4.00	4.58		ug/L		115	70 - 130	2	20
Chloromethane	ND	F1	4.00	5.19		ug/L		130	70 - 130	1	20
cis-1,3-Dichloropropene	ND		4.00	4.43		ug/L		111	70 - 130	3	20
Dibromomethane	ND		4.00	4.59		ug/L		115	70 - 130	1	20
Dichlorobromomethane	ND		4.00	4.36		ug/L		109	70 - 130	5	20
Dichlorodifluoromethane	ND		4.00	4.53		ug/L		113	70 - 130	1	20
Ethylbenzene	ND		4.00	4.52		ug/L		113	70 - 130	2	20
Hexachlorobutadiene	ND		4.00	4.53		ug/L		113	70 - 130	1	20
Isopropylbenzene	ND		4.00	4.51		ug/L		113	70 - 130	2	20
Methyl tert-butyl ether	ND		4.00	4.40		ug/L		110	70 - 130	6	20
Methylene Chloride	ND	*	4.00	4.67		ug/L		117	70 - 130	6	20
Naphthalene	ND		4.00	4.33		ug/L		108	70 - 130	0	20
n-Butylbenzene	ND		4.00	4.51		ug/L		113	70 - 130	1	20
n-Propylbenzene	ND		4.00	4.61		ug/L		115	70 - 130	2	20
sec-Butylbenzene	ND		4.00	4.62		ug/L		116	70 - 130	1	20
Styrene	ND		4.00	3.42		ug/L		86	70 - 130	0	20
tert-Butylbenzene	ND		4.00	4.74		ug/L		119	70 - 130	1	20
Tetrachloroethene	ND		4.00	4.79		ug/L		120	70 - 130	1	20
Toluene	ND		4.00	4.56		ug/L		114	70 - 130	1	20
trans-1,2-Dichloroethene	ND		4.00	4.76		ug/L		119	70 - 130	4	20
trans-1,3-Dichloropropene	ND		4.00	4.26		ug/L		107	70 - 130	2	20
Trichloroethene	ND		4.00	4.67		ug/L		117	70 - 130	5	20
Trichlorofluoromethane	ND		4.00	4.89		ug/L		122	70 - 130	4	20
Xylenes, Total	ND		8.00	8.48		ug/L		106	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 480-268702/6
Matrix: Water
Analysis Batch: 268702

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	ND		0.50	0.074	ug/L			10/14/15 13:34	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/14/15 13:34	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/14/15 13:34	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
2-Butanone (MEK)	ND		10	10	ug/L			10/14/15 13:34	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
2-Hexanone	ND		10	10	ug/L			10/14/15 13:34	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/14/15 13:34	1
Acetone	ND		10	10	ug/L			10/14/15 13:34	1
Acrylonitrile	ND		10	10	ug/L			10/14/15 13:34	1
Allyl chloride	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Benzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Bromobenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Bromoform	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Bromomethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Chloroethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Chloroform	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Chloromethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Dibromomethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Ethyl ether	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Iodomethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/14/15 13:34	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-268702/6
Matrix: Water
Analysis Batch: 268702

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/14/15 13:34	1
Naphthalene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
o-Xylene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Styrene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
t-Butanol	ND		10	10	ug/L			10/14/15 13:34	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Toluene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/14/15 13:34	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/14/15 13:34	1
Trichloroethene	ND		0.20	0.20	ug/L			10/14/15 13:34	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/14/15 13:34	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/14/15 13:34	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/14/15 13:34	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/14/15 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/14/15 13:34*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/14/15 13:34*	*1*

Lab Sample ID: LCS 480-268702/3
Matrix: Water
Analysis Batch: 268702

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	4.00	3.89		ug/L		97	70 - 130
cis-1,2-Dichloroethene	4.00	3.90		ug/L		97	70 - 130
Vinyl chloride	4.00	4.06		ug/L		102	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	3.74		ug/L		93	70 - 130
1,1,1-Trichloroethane	4.00	3.94		ug/L		98	70 - 130
1,1,2,2-Tetrachloroethane	4.00	3.98		ug/L		100	70 - 130
1,1,2-Trichloroethane	4.00	3.87		ug/L		97	70 - 130
1,1-Dichloroethene	4.00	3.93		ug/L		98	70 - 130
1,1-Dichloropropene	4.00	3.93		ug/L		98	70 - 130
1,2,3-Trichlorobenzene	4.00	3.76		ug/L		94	70 - 130
1,2,3-Trichloropropane	4.00	4.21		ug/L		105	70 - 130
1,2,4-Trichlorobenzene	4.00	3.76		ug/L		94	70 - 130
1,2,4-Trimethylbenzene	4.00	3.84		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	3.88		ug/L		97	70 - 130
1,2-Dibromoethane	4.00	4.01		ug/L		100	70 - 130
1,2-Dichlorobenzene	4.00	3.88		ug/L		97	70 - 130
1,2-Dichloroethane	4.00	3.90		ug/L		98	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-268702/3
Matrix: Water
Analysis Batch: 268702

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	4.00	3.93		ug/L		98	70 - 130
1,3,5-Trimethylbenzene	4.00	3.85		ug/L		96	70 - 130
1,3-Dichlorobenzene	4.00	3.86		ug/L		96	70 - 130
1,3-Dichloropropane	4.00	3.95		ug/L		99	70 - 130
1,4-Dichlorobenzene	4.00	3.91		ug/L		98	70 - 130
2,2-Dichloropropane	4.00	3.83		ug/L		96	70 - 130
2-Butanone (MEK)	20.0	18.1		ug/L		90	70 - 130
2-Chlorotoluene	4.00	3.82		ug/L		96	70 - 130
2-Hexanone	20.0	19.2		ug/L		96	70 - 130
4-Chlorotoluene	4.00	3.96		ug/L		99	70 - 130
4-Isopropyltoluene	4.00	3.79		ug/L		95	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	18.8		ug/L		94	70 - 130
Acetone	20.0	15.0		ug/L		75	70 - 130
Benzene	4.00	3.95		ug/L		99	70 - 130
Bromobenzene	4.00	3.93		ug/L		98	70 - 130
Bromochloromethane	4.00	3.86		ug/L		97	70 - 130
Bromoform	4.00	3.92		ug/L		98	70 - 130
Bromomethane	4.00	4.07		ug/L		102	70 - 130
Carbon disulfide	4.00	3.92		ug/L		98	70 - 130
Carbon tetrachloride	4.00	4.08		ug/L		102	70 - 130
Chlorobenzene	4.00	3.95		ug/L		99	70 - 130
Chlorodibromomethane	4.00	3.78		ug/L		94	70 - 130
Chloroethane	4.00	4.14		ug/L		104	70 - 130
Chloroform	4.00	3.85		ug/L		96	70 - 130
Chloromethane	4.00	3.94		ug/L		99	70 - 130
cis-1,3-Dichloropropene	4.00	3.89		ug/L		97	70 - 130
Dibromomethane	4.00	3.82		ug/L		96	70 - 130
Dichlorobromomethane	4.00	3.80		ug/L		95	70 - 130
Dichlorodifluoromethane	4.00	3.71		ug/L		93	70 - 130
Ethylbenzene	4.00	3.86		ug/L		96	70 - 130
Hexachlorobutadiene	4.00	3.82		ug/L		95	70 - 130
Isopropylbenzene	4.00	3.81		ug/L		95	70 - 130
Methyl tert-butyl ether	4.00	3.84		ug/L		96	70 - 130
Methylene Chloride	4.00	4.13		ug/L		103	70 - 130
Naphthalene	4.00	3.76		ug/L		94	70 - 130
n-Butylbenzene	4.00	3.74		ug/L		93	70 - 130
n-Propylbenzene	4.00	3.83		ug/L		96	70 - 130
sec-Butylbenzene	4.00	3.83		ug/L		96	70 - 130
Styrene	4.00	3.81		ug/L		95	70 - 130
tert-Butylbenzene	4.00	3.88		ug/L		97	70 - 130
Tetrachloroethene	4.00	3.94		ug/L		98	70 - 130
Toluene	4.00	3.73		ug/L		93	70 - 130
trans-1,2-Dichloroethene	4.00	4.06		ug/L		101	70 - 130
trans-1,3-Dichloropropene	4.00	3.63		ug/L		91	70 - 130
Trichloroethene	4.00	3.86		ug/L		97	70 - 130
Trichlorofluoromethane	4.00	3.98		ug/L		100	70 - 130
Xylenes, Total	8.00	7.69		ug/L		96	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-268702/3
Matrix: Water
Analysis Batch: 268702

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 480-268702/4
Matrix: Water
Analysis Batch: 268702

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	4.00	3.87		ug/L		97	70 - 130	1	20
cis-1,2-Dichloroethene	4.00	4.08		ug/L		102	70 - 130	5	20
Vinyl chloride	4.00	4.22		ug/L		105	70 - 130	4	20

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.00	3.83		ug/L		96	70 - 130	2	20
1,1,1-Trichloroethane	4.00	3.98		ug/L		99	70 - 130	1	20
1,1,2,2-Tetrachloroethane	4.00	3.94		ug/L		99	70 - 130	1	20
1,1,2-Trichloroethane	4.00	3.83		ug/L		96	70 - 130	1	20
1,1-Dichloroethene	4.00	4.03		ug/L		101	70 - 130	3	20
1,1-Dichloropropene	4.00	3.98		ug/L		100	70 - 130	1	20
1,2,3-Trichlorobenzene	4.00	3.82		ug/L		95	70 - 130	1	20
1,2,3-Trichloropropane	4.00	4.13		ug/L		103	70 - 130	2	20
1,2,4-Trichlorobenzene	4.00	3.81		ug/L		95	70 - 130	1	20
1,2,4-Trimethylbenzene	4.00	3.92		ug/L		98	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	4.00	3.84		ug/L		96	70 - 130	1	20
1,2-Dibromoethane	4.00	4.18		ug/L		104	70 - 130	4	20
1,2-Dichlorobenzene	4.00	3.92		ug/L		98	70 - 130	1	20
1,2-Dichloroethane	4.00	3.97		ug/L		99	70 - 130	2	20
1,2-Dichloropropane	4.00	4.06		ug/L		101	70 - 130	3	20
1,3,5-Trimethylbenzene	4.00	3.92		ug/L		98	70 - 130	2	20
1,3-Dichlorobenzene	4.00	3.89		ug/L		97	70 - 130	1	20
1,3-Dichloropropane	4.00	4.03		ug/L		101	70 - 130	2	20
1,4-Dichlorobenzene	4.00	4.01		ug/L		100	70 - 130	2	20
2,2-Dichloropropane	4.00	3.79		ug/L		95	70 - 130	1	20
2-Butanone (MEK)	20.0	18.7		ug/L		94	70 - 130	3	20
2-Chlorotoluene	4.00	3.84		ug/L		96	70 - 130	1	20
2-Hexanone	20.0	19.3		ug/L		96	70 - 130	0	20
4-Chlorotoluene	4.00	3.92		ug/L		98	70 - 130	1	20
4-Isopropyltoluene	4.00	3.94		ug/L		99	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)	20.0	19.6		ug/L		98	70 - 130	4	20
Acetone	20.0	16.4		ug/L		82	70 - 130	9	20
Benzene	4.00	3.91		ug/L		98	70 - 130	1	20
Bromobenzene	4.00	4.04		ug/L		101	70 - 130	3	20
Bromochloromethane	4.00	3.83		ug/L		96	70 - 130	1	20
Bromoform	4.00	4.10		ug/L		103	70 - 130	4	20
Bromomethane	4.00	4.14		ug/L		103	70 - 130	2	20
Carbon disulfide	4.00	3.92		ug/L		98	70 - 130	0	20
Carbon tetrachloride	4.00	4.17		ug/L		104	70 - 130	2	20
Chlorobenzene	4.00	4.04		ug/L		101	70 - 130	2	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-268702/4
Matrix: Water
Analysis Batch: 268702

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
Chlorodibromomethane			4.00	3.84		ug/L		96	70 - 130	2	20
Chloroethane			4.00	4.18		ug/L		105	70 - 130	1	20
Chloroform			4.00	3.94		ug/L		98	70 - 130	2	20
Chloromethane			4.00	4.12		ug/L		103	70 - 130	4	20
cis-1,3-Dichloropropene			4.00	3.98		ug/L		100	70 - 130	2	20
Dibromomethane			4.00	3.90		ug/L		98	70 - 130	2	20
Dichlorobromomethane			4.00	3.83		ug/L		96	70 - 130	1	20
Dichlorodifluoromethane			4.00	3.98		ug/L		100	70 - 130	7	20
Ethylbenzene			4.00	4.02		ug/L		101	70 - 130	4	20
Hexachlorobutadiene			4.00	3.96		ug/L		99	70 - 130	4	20
Isopropylbenzene			4.00	4.06		ug/L		101	70 - 130	6	20
Methyl tert-butyl ether			4.00	3.88		ug/L		97	70 - 130	1	20
Methylene Chloride			4.00	4.16		ug/L		104	70 - 130	1	20
Naphthalene			4.00	3.78		ug/L		94	70 - 130	0	20
n-Butylbenzene			4.00	3.90		ug/L		97	70 - 130	4	20
n-Propylbenzene			4.00	3.99		ug/L		100	70 - 130	4	20
sec-Butylbenzene			4.00	3.95		ug/L		99	70 - 130	3	20
Styrene			4.00	3.89		ug/L		97	70 - 130	2	20
tert-Butylbenzene			4.00	4.01		ug/L		100	70 - 130	3	20
Tetrachloroethene			4.00	4.09		ug/L		102	70 - 130	4	20
Toluene			4.00	4.05		ug/L		101	70 - 130	8	20
trans-1,2-Dichloroethene			4.00	4.14		ug/L		104	70 - 130	2	20
trans-1,3-Dichloropropene			4.00	3.74		ug/L		93	70 - 130	3	20
Trichloroethene			4.00	4.07		ug/L		102	70 - 130	5	20
Trichlorofluoromethane			4.00	4.03		ug/L		101	70 - 130	1	20
Xylenes, Total			8.00	7.86		ug/L		98	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: LLCS 480-268702/5
Matrix: Water
Analysis Batch: 268702

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethane			0.500	0.473	J	ug/L		95	50 - 150		
cis-1,2-Dichloroethene			0.500	0.471	J	ug/L		94	50 - 150		
Vinyl chloride			0.500	0.507		ug/L		101	50 - 150		
Analyte			**Spike Added**	**LLCS Result**	**LLCS Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**		
1,1,1,2-Tetrachloroethane			0.500	ND		ug/L		93	50 - 150		
1,1,1-Trichloroethane			0.500	ND		ug/L		84	50 - 150		
1,1,2,2-Tetrachloroethane			0.500	ND		ug/L		96	50 - 150		
1,1,2-Trichloroethane			0.500	ND		ug/L		95	50 - 150		
1,1-Dichloroethene			0.500	ND		ug/L		96	50 - 150		
1,1-Dichloropropene			0.500	0.511		ug/L		102	50 - 150		
1,2,3-Trichlorobenzene			0.500	0.511		ug/L		102	50 - 150		

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-268702/5
Matrix: Water
Analysis Batch: 268702

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	0.500	0.517		ug/L		103	50 - 150
1,2,4-Trichlorobenzene	0.500	0.536		ug/L		107	50 - 150
1,2,4-Trimethylbenzene	0.500	ND		ug/L		98	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	ND		ug/L		77	50 - 150
1,2-Dibromoethane	0.500	ND		ug/L		98	50 - 150
1,2-Dichlorobenzene	0.500	ND		ug/L		97	50 - 150
1,2-Dichloroethane	0.500	0.506		ug/L		101	50 - 150
1,2-Dichloropropane	0.500	ND		ug/L		94	50 - 150
1,3,5-Trimethylbenzene	0.500	ND		ug/L		94	50 - 150
1,3-Dichlorobenzene	0.500	ND		ug/L		100	50 - 150
1,3-Dichloropropane	0.500	ND		ug/L		99	50 - 150
1,4-Dichlorobenzene	0.500	0.524		ug/L		105	50 - 150
2,2-Dichloropropane	0.500	ND		ug/L		95	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		118	50 - 150
2-Chlorotoluene	0.500	0.500		ug/L		100	50 - 150
2-Hexanone	2.50	ND		ug/L		95	50 - 150
4-Chlorotoluene	0.500	ND		ug/L		88	50 - 150
4-Isopropyltoluene	0.500	ND		ug/L		97	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		100	50 - 150
Acetone	2.50	ND		ug/L		113	50 - 150
Benzene	0.500	ND		ug/L		98	50 - 150
Bromobenzene	0.500	ND		ug/L		98	50 - 150
Bromochloromethane	0.500	ND		ug/L		88	50 - 150
Bromoform	0.500	ND		ug/L		82	50 - 150
Bromomethane	0.500	0.721		ug/L		144	50 - 150
Carbon disulfide	0.500	ND		ug/L		96	50 - 150
Carbon tetrachloride	0.500	ND		ug/L		98	50 - 150
Chlorobenzene	0.500	0.501		ug/L		100	50 - 150
Chlorodibromomethane	0.500	ND		ug/L		82	50 - 150
Chloroethane	0.500	0.510		ug/L		102	50 - 150
Chloroform	0.500	0.514		ug/L		103	50 - 150
Chloromethane	0.500	0.574		ug/L		115	50 - 150
cis-1,3-Dichloropropene	0.500	ND		ug/L		91	50 - 150
Dibromomethane	0.500	ND		ug/L		97	50 - 150
Dichlorobromomethane	0.500	ND		ug/L		92	50 - 150
Dichlorodifluoromethane	0.500	ND		ug/L		84	50 - 150
Ethylbenzene	0.500	ND		ug/L		95	50 - 150
Hexachlorobutadiene	0.500	0.534		ug/L		107	50 - 150
Isopropylbenzene	0.500	ND		ug/L		95	50 - 150
Methyl tert-butyl ether	0.500	ND		ug/L		94	50 - 150
Methylene Chloride	0.500	0.697		ug/L		139	50 - 150
Naphthalene	0.500	ND		ug/L		98	50 - 150
n-Butylbenzene	0.500	ND		ug/L		96	50 - 150
n-Propylbenzene	0.500	ND		ug/L		96	50 - 150
sec-Butylbenzene	0.500	ND		ug/L		96	50 - 150
Styrene	0.500	ND		ug/L		89	50 - 150
tert-Butylbenzene	0.500	ND		ug/L		97	50 - 150
Tetrachloroethene	0.500	ND		ug/L		97	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-268702/5
Matrix: Water
Analysis Batch: 268702

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.500	ND		ug/L		97	50 - 150
trans-1,2-Dichloroethene	0.500	0.514		ug/L		103	50 - 150
trans-1,3-Dichloropropene	0.500	ND		ug/L		83	50 - 150
Trichloroethene	0.500	0.505		ug/L		101	50 - 150
Trichlorofluoromethane	0.500	ND		ug/L		75	50 - 150
Xylenes, Total	1.00	ND	*	ug/L		0	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-267863/100
Matrix: Water
Analysis Batch: 267863

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/10/15 03:25	1

Lab Sample ID: MB 480-267863/124
Matrix: Water
Analysis Batch: 267863

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/10/15 14:02	1

Lab Sample ID: MB 480-267863/52
Matrix: Water
Analysis Batch: 267863

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/09/15 19:59	1

Lab Sample ID: MB 480-267863/76
Matrix: Water
Analysis Batch: 267863

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/10/15 00:10	1

Lab Sample ID: LCS 480-267863/123
Matrix: Water
Analysis Batch: 267863

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.30		mg/L		102	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-267863/51 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.27		mg/L		101	90 - 110

Lab Sample ID: LCS 480-267863/75 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.32		mg/L		102	90 - 110

Lab Sample ID: LCS 480-267863/99 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.26		mg/L		101	90 - 110

Lab Sample ID: 480-88726-9 MS — **Client Sample ID: W-151005-MB-09**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	17.8		25.0	42.03		mg/L		97	81 - 120

Lab Sample ID: 480-88726-9 MSD — **Client Sample ID: W-151005-MB-09**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	17.8		25.0	41.56		mg/L		95	81 - 120	1	20

Lab Sample ID: 480-88726-12 MS — **Client Sample ID: W-151005-MB-12**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.5		25.0	32.18		mg/L		99	81 - 120

Lab Sample ID: 480-88726-26 MS — **Client Sample ID: W-151006-MB-26**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	23.5		25.0	47.18		mg/L		95	81 - 120

Lab Sample ID: 480-88726-32 MS — **Client Sample ID: W-151006-MB-32**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	21.3		25.0	45.57		mg/L		97	81 - 120

QC Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Lab Sample ID: 480-88726-32 MSD — **Client Sample ID: W-151006-MB-32**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	21.3		25.0	45.50		mg/L		97	81 - 120	0	20

Lab Sample ID: 480-88726-33 MS — **Client Sample ID: W-151006-MB-33**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	28.1		25.0	51.51		mg/L		94	81 - 120		

Lab Sample ID: 480-88726-33 MSD — **Client Sample ID: W-151006-MB-33**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	28.1		25.0	51.59		mg/L		94	81 - 120	0	20

Lab Sample ID: 480-88726-42 MS — **Client Sample ID: W-151006-MB-42**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	33.4		25.0	56.97		mg/L		94	81 - 120		

Lab Sample ID: 480-88726-45 MS — **Client Sample ID: W-151006-MB-45**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	59.4		25.0	82.88		mg/L		94	81 - 120		

Lab Sample ID: 480-88726-45 MSD — **Client Sample ID: W-151006-MB-45**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 267863

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	59.4		25.0	82.38		mg/L		92	81 - 120	1	20

Lab Sample ID: MB 480-268151/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268151

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/12/15 08:23	1

Lab Sample ID: MB 480-268151/52 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268151

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/12/15 19:02	1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 480-268151/3
Matrix: Water
Analysis Batch: 268151

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.16		mg/L		101	90 - 110

Lab Sample ID: LCS 480-268151/51
Matrix: Water
Analysis Batch: 268151

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	20.0	20.02		mg/L		100	90 - 110

QC Association Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

GC/MS VOA

Analysis Batch: 268327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88726-10	W-151005-MB-10	Total/NA	Water	524.2	
480-88726-11	W-151005-MB-11	Total/NA	Water	524.2	
480-88726-12	W-151005-MB-12	Total/NA	Water	524.2	
480-88726-13	W-151005-MB-13	Total/NA	Water	524.2	
480-88726-14	W-151005-MB-14	Total/NA	Water	524.2	
480-88726-15	W-151005-MB-15	Total/NA	Water	524.2	
480-88726-16	W-151005-MB-16	Total/NA	Water	524.2	
480-88726-17	W-151005-MB-17	Total/NA	Water	524.2	
480-88726-18	W-151005-MB-18	Total/NA	Water	524.2	
480-88726-19	W-151005-MB-19	Total/NA	Water	524.2	
480-88726-20	W-151005-MB-20	Total/NA	Water	524.2	
480-88726-21	W-151005-MB-21	Total/NA	Water	524.2	
480-88726-22	W-151005-MB-22	Total/NA	Water	524.2	
480-88726-23	W-151005-MB-23	Total/NA	Water	524.2	
480-88726-24	W-151005-MB-24	Total/NA	Water	524.2	
480-88726-25	W-151006-MB-25	Total/NA	Water	524.2	
480-88726-26	W-151006-MB-26	Total/NA	Water	524.2	
480-88726-46	TRIP BLANK	Total/NA	Water	524.2	
LCS 480-268327/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-268327/4	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-268327/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-268327/6	Method Blank	Total/NA	Water	524.2	

Analysis Batch: 268417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88726-1	W-151005-MB-01	Total/NA	Water	524.2	
480-88726-2	W-151005-MB-02	Total/NA	Water	524.2	
480-88726-3	W-151005-MB-03	Total/NA	Water	524.2	
480-88726-4	W-151005-MB-04	Total/NA	Water	524.2	
480-88726-5	W-151005-MB-05	Total/NA	Water	524.2	
480-88726-6	W-151005-MB-06	Total/NA	Water	524.2	
480-88726-7	W-151005-MB-07	Total/NA	Water	524.2	
480-88726-8	W-151005-MB-08	Total/NA	Water	524.2	
480-88726-9	W-151005-MB-09	Total/NA	Water	524.2	
480-88726-9 MS	W-151005-MB-09	Total/NA	Water	524.2	
480-88726-9 MSD	W-151005-MB-09	Total/NA	Water	524.2	
LCS 480-268417/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-268417/4	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-268417/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-268417/6	Method Blank	Total/NA	Water	524.2	

Analysis Batch: 268578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88726-27	W-151006-MB-27	Total/NA	Water	524.2	
480-88726-28	W-151006-MB-28	Total/NA	Water	524.2	
480-88726-29	W-151006-MB-29	Total/NA	Water	524.2	
480-88726-30	W-151006-MB-30	Total/NA	Water	524.2	
480-88726-31	W-151006-MB-31	Total/NA	Water	524.2	
480-88726-32	W-151006-MB-32	Total/NA	Water	524.2	
480-88726-32 MS	W-151006-MB-32	Total/NA	Water	524.2	
480-88726-32 MSD	W-151006-MB-32	Total/NA	Water	524.2	

GC/MS VOA (Continued)

Analysis Batch: 268578 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88726-33	W-151006-MB-33	Total/NA	Water	524.2	
480-88726-34	W-151006-MB-34	Total/NA	Water	524.2	
480-88726-35	W-151006-MB-35	Total/NA	Water	524.2	
480-88726-36	W-151006-MB-36	Total/NA	Water	524.2	
480-88726-37	W-151006-MB-37	Total/NA	Water	524.2	
480-88726-38	W-151006-MB-38	Total/NA	Water	524.2	
480-88726-39	W-151006-MB-39	Total/NA	Water	524.2	
480-88726-40	W-151006-MB-40	Total/NA	Water	524.2	
480-88726-41	W-151006-MB-41	Total/NA	Water	524.2	
480-88726-42	W-151006-MB-42	Total/NA	Water	524.2	
LCS 480-268578/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-268578/4	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-268578/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-268578/6	Method Blank	Total/NA	Water	524.2	

Analysis Batch: 268702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88726-43	W-151006-MB-43	Total/NA	Water	524.2	
480-88726-44	W-151006-MB-44	Total/NA	Water	524.2	
480-88726-45	W-151006-MB-45	Total/NA	Water	524.2	
LCS 480-268702/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-268702/4	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-268702/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-268702/6	Method Blank	Total/NA	Water	524.2	

General Chemistry

Analysis Batch: 267863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88726-1	W-151005-MB-01	Total/NA	Water	300.0	
480-88726-2	W-151005-MB-02	Total/NA	Water	300.0	
480-88726-3	W-151005-MB-03	Total/NA	Water	300.0	
480-88726-4	W-151005-MB-04	Total/NA	Water	300.0	
480-88726-5	W-151005-MB-05	Total/NA	Water	300.0	
480-88726-6	W-151005-MB-06	Total/NA	Water	300.0	
480-88726-7	W-151005-MB-07	Total/NA	Water	300.0	
480-88726-8	W-151005-MB-08	Total/NA	Water	300.0	
480-88726-9	W-151005-MB-09	Total/NA	Water	300.0	
480-88726-9 MS	W-151005-MB-09	Total/NA	Water	300.0	
480-88726-9 MSD	W-151005-MB-09	Total/NA	Water	300.0	
480-88726-10	W-151005-MB-10	Total/NA	Water	300.0	
480-88726-11	W-151005-MB-11	Total/NA	Water	300.0	
480-88726-12	W-151005-MB-12	Total/NA	Water	300.0	
480-88726-12 MS	W-151005-MB-12	Total/NA	Water	300.0	
480-88726-13	W-151005-MB-13	Total/NA	Water	300.0	
480-88726-14	W-151005-MB-14	Total/NA	Water	300.0	
480-88726-15	W-151005-MB-15	Total/NA	Water	300.0	
480-88726-16	W-151005-MB-16	Total/NA	Water	300.0	
480-88726-17	W-151005-MB-17	Total/NA	Water	300.0	
480-88726-18	W-151005-MB-18	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 267863 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88726-19	W-151005-MB-19	Total/NA	Water	300.0	
480-88726-20	W-151005-MB-20	Total/NA	Water	300.0	
480-88726-21	W-151005-MB-21	Total/NA	Water	300.0	
480-88726-22	W-151005-MB-22	Total/NA	Water	300.0	
480-88726-23	W-151005-MB-23	Total/NA	Water	300.0	
480-88726-24	W-151005-MB-24	Total/NA	Water	300.0	
480-88726-25	W-151006-MB-25	Total/NA	Water	300.0	
480-88726-26	W-151006-MB-26	Total/NA	Water	300.0	
480-88726-26 MS	W-151006-MB-26	Total/NA	Water	300.0	
480-88726-27	W-151006-MB-27	Total/NA	Water	300.0	
480-88726-28	W-151006-MB-28	Total/NA	Water	300.0	
480-88726-29	W-151006-MB-29	Total/NA	Water	300.0	
480-88726-30	W-151006-MB-30	Total/NA	Water	300.0	
480-88726-31	W-151006-MB-31	Total/NA	Water	300.0	
480-88726-32	W-151006-MB-32	Total/NA	Water	300.0	
480-88726-32 MS	W-151006-MB-32	Total/NA	Water	300.0	
480-88726-32 MSD	W-151006-MB-32	Total/NA	Water	300.0	
480-88726-33	W-151006-MB-33	Total/NA	Water	300.0	
480-88726-33 MS	W-151006-MB-33	Total/NA	Water	300.0	
480-88726-33 MSD	W-151006-MB-33	Total/NA	Water	300.0	
480-88726-34	W-151006-MB-34	Total/NA	Water	300.0	
480-88726-35	W-151006-MB-35	Total/NA	Water	300.0	
480-88726-36	W-151006-MB-36	Total/NA	Water	300.0	
480-88726-37	W-151006-MB-37	Total/NA	Water	300.0	
480-88726-38	W-151006-MB-38	Total/NA	Water	300.0	
480-88726-39	W-151006-MB-39	Total/NA	Water	300.0	
480-88726-40	W-151006-MB-40	Total/NA	Water	300.0	
480-88726-42	W-151006-MB-42	Total/NA	Water	300.0	
480-88726-42 MS	W-151006-MB-42	Total/NA	Water	300.0	
480-88726-43	W-151006-MB-43	Total/NA	Water	300.0	
480-88726-44	W-151006-MB-44	Total/NA	Water	300.0	
480-88726-45	W-151006-MB-45	Total/NA	Water	300.0	
480-88726-45 MS	W-151006-MB-45	Total/NA	Water	300.0	
480-88726-45 MSD	W-151006-MB-45	Total/NA	Water	300.0	
LCS 480-267863/123	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-267863/51	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-267863/75	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-267863/99	Lab Control Sample	Total/NA	Water	300.0	
MB 480-267863/100	Method Blank	Total/NA	Water	300.0	
MB 480-267863/124	Method Blank	Total/NA	Water	300.0	
MB 480-267863/52	Method Blank	Total/NA	Water	300.0	
MB 480-267863/76	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 268151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88726-41	W-151006-MB-41	Total/NA	Water	300.0	
LCS 480-268151/3	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-268151/51	Lab Control Sample	Total/NA	Water	300.0	
MB 480-268151/4	Method Blank	Total/NA	Water	300.0	
MB 480-268151/52	Method Blank	Total/NA	Water	300.0	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-01 — Lab Sample ID: 480-88726-1

Date Collected: 10/05/15 10:10 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 14:54	CDC	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 21:27	CAS	TAL BUF

Client Sample ID: W-151005-MB-02 — Lab Sample ID: 480-88726-2

Date Collected: 10/05/15 10:11 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 15:21	CDC	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 21:35	CAS	TAL BUF

Client Sample ID: W-151005-MB-03 — Lab Sample ID: 480-88726-3

Date Collected: 10/05/15 10:35 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 15:47	CDC	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 22:24	CAS	TAL BUF

Client Sample ID: W-151005-MB-04 — Lab Sample ID: 480-88726-4

Date Collected: 10/05/15 10:36 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 16:14	CDC	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 22:32	CAS	TAL BUF

Client Sample ID: W-151005-MB-05 — Lab Sample ID: 480-88726-5

Date Collected: 10/05/15 10:41 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 16:42	CDC	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 22:40	CAS	TAL BUF

Client Sample ID: W-151005-MB-06 — Lab Sample ID: 480-88726-6

Date Collected: 10/05/15 10:48 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 17:08	CDC	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-06 — Lab Sample ID: 480-88726-6

Date Collected: 10/05/15 10:48 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	267863	10/09/15 22:48	CAS	TAL BUF

Client Sample ID: W-151005-MB-07 — Lab Sample ID: 480-88726-7

Date Collected: 10/05/15 11:20 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 17:35	CDC	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 22:57	CAS	TAL BUF

Client Sample ID: W-151005-MB-08 — Lab Sample ID: 480-88726-8

Date Collected: 10/05/15 11:26 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 18:02	CDC	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 23:05	CAS	TAL BUF

Client Sample ID: W-151005-MB-09 — Lab Sample ID: 480-88726-9

Date Collected: 10/05/15 11:55 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268417	10/13/15 18:29	CDC	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 21:43	CAS	TAL BUF

Client Sample ID: W-151005-MB-10 — Lab Sample ID: 480-88726-10

Date Collected: 10/05/15 12:00 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 00:48	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 23:13	CAS	TAL BUF

Client Sample ID: W-151005-MB-11 — Lab Sample ID: 480-88726-11

Date Collected: 10/05/15 12:05 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 01:15	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 23:21	CAS	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-12 — Lab Sample ID: 480-88726-12

Date Collected: 10/05/15 12:45 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 01:42	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/09/15 23:29	CAS	TAL BUF

Client Sample ID: W-151005-MB-13 — Lab Sample ID: 480-88726-13

Date Collected: 10/05/15 12:50 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 02:09	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 00:18	CAS	TAL BUF

Client Sample ID: W-151005-MB-14 — Lab Sample ID: 480-88726-14

Date Collected: 10/05/15 12:51 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 02:35	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 00:26	CAS	TAL BUF

Client Sample ID: W-151005-MB-15 — Lab Sample ID: 480-88726-15

Date Collected: 10/05/15 13:00 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 03:02	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 00:34	CAS	TAL BUF

Client Sample ID: W-151005-MB-16 — Lab Sample ID: 480-88726-16

Date Collected: 10/05/15 14:00 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 03:29	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 00:42	CAS	TAL BUF

Client Sample ID: W-151005-MB-17 — Lab Sample ID: 480-88726-17

Date Collected: 10/05/15 14:05 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 03:56	JWG	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-17 — Lab Sample ID: 480-88726-17

Date Collected: 10/05/15 14:05 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	267863	10/10/15 00:50	CAS	TAL BUF

Client Sample ID: W-151005-MB-18 — Lab Sample ID: 480-88726-18

Date Collected: 10/05/15 14:13 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 04:23	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 01:39	CAS	TAL BUF

Client Sample ID: W-151005-MB-19 — Lab Sample ID: 480-88726-19

Date Collected: 10/05/15 14:18 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 04:50	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 01:47	CAS	TAL BUF

Client Sample ID: W-151005-MB-20 — Lab Sample ID: 480-88726-20

Date Collected: 10/05/15 14:54 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 05:17	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 01:56	CAS	TAL BUF

Client Sample ID: W-151005-MB-21 — Lab Sample ID: 480-88726-21

Date Collected: 10/05/15 15:00 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 05:44	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 02:04	CAS	TAL BUF

Client Sample ID: W-151005-MB-22 — Lab Sample ID: 480-88726-22

Date Collected: 10/05/15 15:03 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 06:10	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 02:12	CAS	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151005-MB-23 — Lab Sample ID: 480-88726-23

Date Collected: 10/05/15 15:06 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 06:37	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 02:20	CAS	TAL BUF

Client Sample ID: W-151005-MB-24 — Lab Sample ID: 480-88726-24

Date Collected: 10/05/15 15:40 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 07:04	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 02:28	CAS	TAL BUF

Client Sample ID: W-151006-MB-25 — Lab Sample ID: 480-88726-25

Date Collected: 10/06/15 10:20 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 07:31	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 02:36	CAS	TAL BUF

Client Sample ID: W-151006-MB-26 — Lab Sample ID: 480-88726-26

Date Collected: 10/06/15 10:21 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 07:58	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 02:44	CAS	TAL BUF

Client Sample ID: W-151006-MB-27 — Lab Sample ID: 480-88726-27

Date Collected: 10/06/15 10:24 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 00:00	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 03:33	CAS	TAL BUF

Client Sample ID: W-151006-MB-28 — Lab Sample ID: 480-88726-28

Date Collected: 10/06/15 10:30 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 00:27	JWG	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-28 — Lab Sample ID: 480-88726-28

Date Collected: 10/06/15 10:30 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	267863	10/10/15 03:41	CAS	TAL BUF

Client Sample ID: W-151006-MB-29 — Lab Sample ID: 480-88726-29

Date Collected: 10/06/15 10:38 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 00:54	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 03:49	CAS	TAL BUF

Client Sample ID: W-151006-MB-30 — Lab Sample ID: 480-88726-30

Date Collected: 10/06/15 11:13 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 01:21	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 03:57	CAS	TAL BUF

Client Sample ID: W-151006-MB-31 — Lab Sample ID: 480-88726-31

Date Collected: 10/06/15 11:18 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 01:48	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 04:06	CAS	TAL BUF

Client Sample ID: W-151006-MB-32 — Lab Sample ID: 480-88726-32

Date Collected: 10/06/15 11:25 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 02:15	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 00:59	CAS	TAL BUF

Client Sample ID: W-151006-MB-33 — Lab Sample ID: 480-88726-33

Date Collected: 10/06/15 11:59 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 02:42	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 04:14	CAS	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-34 — Lab Sample ID: 480-88726-34

Date Collected: 10/06/15 12:02 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 03:09	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 12:17	CAS	TAL BUF

Client Sample ID: W-151006-MB-35 — Lab Sample ID: 480-88726-35

Date Collected: 10/06/15 12:10 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 03:36	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 12:25	CAS	TAL BUF

Client Sample ID: W-151006-MB-36 — Lab Sample ID: 480-88726-36

Date Collected: 10/06/15 12:40 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 04:02	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 12:33	CAS	TAL BUF

Client Sample ID: W-151006-MB-37 — Lab Sample ID: 480-88726-37

Date Collected: 10/06/15 12:45 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 04:29	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 12:41	CAS	TAL BUF

Client Sample ID: W-151006-MB-38 — Lab Sample ID: 480-88726-38

Date Collected: 10/06/15 12:46 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 04:56	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 12:49	CAS	TAL BUF

Client Sample ID: W-151006-MB-39 — Lab Sample ID: 480-88726-39

Date Collected: 10/06/15 12:53 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 05:22	JWG	TAL BUF

Client Sample ID: W-151006-MB-39 — Lab Sample ID: 480-88726-39

Date Collected: 10/06/15 12:53 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	267863	10/10/15 12:57	CAS	TAL BUF

Client Sample ID: W-151006-MB-40 — Lab Sample ID: 480-88726-40

Date Collected: 10/06/15 14:40 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 05:49	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 13:05	CAS	TAL BUF

Client Sample ID: W-151006-MB-41 — Lab Sample ID: 480-88726-41

Date Collected: 10/06/15 15:08 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 06:16	JWG	TAL BUF
Total/NA	Analysis	300.0		2	268151	10/12/15 12:22	CAS	TAL BUF

Client Sample ID: W-151006-MB-42 — Lab Sample ID: 480-88726-42

Date Collected: 10/06/15 15:14 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268578	10/14/15 06:42	JWG	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 13:22	CAS	TAL BUF

Client Sample ID: W-151006-MB-43 — Lab Sample ID: 480-88726-43

Date Collected: 10/06/15 15:20 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268702	10/14/15 15:54	SWO	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 14:11	CAS	TAL BUF

Client Sample ID: W-151006-MB-44 — Lab Sample ID: 480-88726-44

Date Collected: 10/06/15 15:18 — **Matrix: Water**
Date Received: 10/08/15 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268702	10/14/15 16:21	SWO	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 14:19	CAS	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Client Sample ID: W-151006-MB-45

Lab Sample ID: 480-88726-45

Date Collected: 10/06/15 15:25
Date Received: 10/08/15 09:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268702	10/14/15 16:48	SWO	TAL BUF
Total/NA	Analysis	300.0		1	267863	10/10/15 14:27	CAS	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-88726-46

Date Collected: 10/05/15 00:00
Date Received: 10/08/15 09:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	268327	10/13/15 00:22	JWG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Minnesota	NELAP	5	036-999-337	12-31-15 *

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	Dibromomethane
524.2		Water	Naphthalene

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane
524.2		Water	1,3-Dichloropropane
524.2		Water	2-Butanone (MEK)
524.2		Water	2-Hexanone
524.2		Water	4-Isopropyltoluene
524.2		Water	4-Methyl-2-pentanone (MIBK)
524.2		Water	Acetone
524.2		Water	Acrylonitrile
524.2		Water	Allyl chloride
524.2		Water	Carbon disulfide
524.2		Water	Dichlorofluoromethane
524.2		Water	Ethyl ether
524.2		Water	Iodomethane
524.2		Water	m-Xylene & p-Xylene
524.2		Water	o-Xylene
524.2		Water	t-Butanol
524.2		Water	trans-1,4-Dichloro-2-butene
524.2		Water	Vinyl acetate

* Certification renewal pending - certification considered valid.

Method Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88726-1	W-151005-MB-01	Water	10/05/15 10:10	10/08/15 09:00
480-88726-2	W-151005-MB-02	Water	10/05/15 10:11	10/08/15 09:00
480-88726-3	W-151005-MB-03	Water	10/05/15 10:35	10/08/15 09:00
480-88726-4	W-151005-MB-04	Water	10/05/15 10:36	10/08/15 09:00
480-88726-5	W-151005-MB-05	Water	10/05/15 10:41	10/08/15 09:00
480-88726-6	W-151005-MB-06	Water	10/05/15 10:48	10/08/15 09:00
480-88726-7	W-151005-MB-07	Water	10/05/15 11:20	10/08/15 09:00
480-88726-8	W-151005-MB-08	Water	10/05/15 11:26	10/08/15 09:00
480-88726-9	W-151005-MB-09	Water	10/05/15 11:55	10/08/15 09:00
480-88726-10	W-151005-MB-10	Water	10/05/15 12:00	10/08/15 09:00
480-88726-11	W-151005-MB-11	Water	10/05/15 12:05	10/08/15 09:00
480-88726-12	W-151005-MB-12	Water	10/05/15 12:45	10/08/15 09:00
480-88726-13	W-151005-MB-13	Water	10/05/15 12:50	10/08/15 09:00
480-88726-14	W-151005-MB-14	Water	10/05/15 12:51	10/08/15 09:00
480-88726-15	W-151005-MB-15	Water	10/05/15 13:00	10/08/15 09:00
480-88726-16	W-151005-MB-16	Water	10/05/15 14:00	10/08/15 09:00
480-88726-17	W-151005-MB-17	Water	10/05/15 14:05	10/08/15 09:00
480-88726-18	W-151005-MB-18	Water	10/05/15 14:13	10/08/15 09:00
480-88726-19	W-151005-MB-19	Water	10/05/15 14:18	10/08/15 09:00
480-88726-20	W-151005-MB-20	Water	10/05/15 14:54	10/08/15 09:00
480-88726-21	W-151005-MB-21	Water	10/05/15 15:00	10/08/15 09:00
480-88726-22	W-151005-MB-22	Water	10/05/15 15:03	10/08/15 09:00
480-88726-23	W-151005-MB-23	Water	10/05/15 15:06	10/08/15 09:00
480-88726-24	W-151005-MB-24	Water	10/05/15 15:40	10/08/15 09:00
480-88726-25	W-151006-MB-25	Water	10/06/15 10:20	10/08/15 09:00
480-88726-26	W-151006-MB-26	Water	10/06/15 10:21	10/08/15 09:00
480-88726-27	W-151006-MB-27	Water	10/06/15 10:24	10/08/15 09:00
480-88726-28	W-151006-MB-28	Water	10/06/15 10:30	10/08/15 09:00
480-88726-29	W-151006-MB-29	Water	10/06/15 10:38	10/08/15 09:00
480-88726-30	W-151006-MB-30	Water	10/06/15 11:13	10/08/15 09:00
480-88726-31	W-151006-MB-31	Water	10/06/15 11:18	10/08/15 09:00
480-88726-32	W-151006-MB-32	Water	10/06/15 11:25	10/08/15 09:00
480-88726-33	W-151006-MB-33	Water	10/06/15 11:59	10/08/15 09:00
480-88726-34	W-151006-MB-34	Water	10/06/15 12:02	10/08/15 09:00
480-88726-35	W-151006-MB-35	Water	10/06/15 12:10	10/08/15 09:00
480-88726-36	W-151006-MB-36	Water	10/06/15 12:40	10/08/15 09:00
480-88726-37	W-151006-MB-37	Water	10/06/15 12:45	10/08/15 09:00
480-88726-38	W-151006-MB-38	Water	10/06/15 12:46	10/08/15 09:00
480-88726-39	W-151006-MB-39	Water	10/06/15 12:53	10/08/15 09:00
480-88726-40	W-151006-MB-40	Water	10/06/15 14:40	10/08/15 09:00
480-88726-41	W-151006-MB-41	Water	10/06/15 15:08	10/08/15 09:00
480-88726-42	W-151006-MB-42	Water	10/06/15 15:14	10/08/15 09:00
480-88726-43	W-151006-MB-43	Water	10/06/15 15:20	10/08/15 09:00
480-88726-44	W-151006-MB-44	Water	10/06/15 15:18	10/08/15 09:00
480-88726-45	W-151006-MB-45	Water	10/06/15 15:25	10/08/15 09:00
480-88726-46	TRIP BLANK	Water	10/05/15 00:00	10/08/15 09:00

Detection Limit Exceptions Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88726-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but great than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedure do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
524.2	Water	Trichloroethene	ug/L	0.20	0.5
524.2	Water	Vinyl chloride	ug/L	0.20	0.5

CHAIN OF CUSTODY RECORD

1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

480-88726 Chain of Custody

COC NO. SP- 01801
PAGE 1 OF 1
(See Reverse Side for Instructions)

COOLER 1 OF 2

Project No/ Phase/Task Code: 002012
Laboratory Name: Test America
Lab Location: Buffalo, NY ~~N. Canton, OH~~ MB
SSOW ID:
Project Name: Hwy 96
Lab Contact:
Lab Quote No:
Cooler No:
Project Location: N. Oaks, MN
Carrier: FED EX
Chemistry Contact: Grant Anderson
Airbill No:
Sampler(s): M. Barnes
Date Shipped: 10/7/15

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back-of-GOC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs 524.2 STANDARD	Chloride 300.0A	524.2 MDL*							MS/MSD Request	Comments/ Special Instructions:
1	W-151005-MB-01	10/05/15	10:10	WG	G	1	3							4	X	X	X								
2	-02		10:11			1	3							4	X	X	X								
3	-03		10:35			1	3							4	X	X	X								
4	-04		10:36			1	3							4	X	X	X								
5	-05		10:41			1	3							4	X	X	X								
6	-06		10:48			1	3							4	X	X	X								
7	-07		11:20			1	3							4	X	X	X								
8	-08		11:26			1	3							4	X	X	X								
9	-09 MS/MSD		11:55			3	9							12	X	X	X							X	
10	-10		12:00			1	3							4	X	X	X								
11	-11		12:05			1	3							4	X	X	X								
12	-12		12:45			1	3							4	X	X	X								
13	-13		12:50			1	3							4	X	X	X								
14	-14		12:51			1	3							4	X	X	X								
15	-15		13:00			1	3							4	X	X	X								

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other: STANDARD

Total Number of Containers: 68 MB
All Samples in Cooler must be on COC

Notes/ Special Requirements: * 1,1-Dichloroethane, cis-1,2-Dichloroethene and Vinyl chloride ~~only~~ ~~Etc~~
198 TCE MDL = 0.2 ug/L

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Matthew Barnes	GHD	10/07/15	16:30	1. [illegible]	[illegible]	10/8/15	0900
2.				2.			
3.				3.	2.6, 2.0	#1	

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

COC NO.: SP- 01803
PAGE 2 OF 4
COOLER 1 OF 2
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 002012
Laboratory Name: Test America
Lab Location: ~~N. Canton, OH~~ Buffalo NY
SSOW ID:
Project Name: Hwy 96
Lab Contact:
Lab Quote No:
Cooler No:
Project Location: N. Oaks, MN
Carrier: FED EX
Chemistry Contact: Grant Anderson
Airbill No:
Sampler(s): M. Barnes
Date Shipped: 10/7/15

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs 524.2 STANDARD	Chloride 300.0A	524.2 MDL								MS/MSD Request	Comments/ Special Instructions:
1	W-151005-MB-16	10/05/15	14:00	WG	G	1	3							4	X	X	X									
2	-17		14:05			1	3							4	X	X	X									
	-18		14:13			1	3							4	X	X	X									
	-19		14:18			1	3							4	X	X	X									
	-20		14:54			1	3							4	X	X	X									
	-21		15:00			1	3							4	X	X	X									
	-22		15:03			1	3							4	X	X	X									
8	-23		15:06			1	3							4	X	X	X									
9	-24		15:40			1	3							4	X	X	X									
10	W-151006-MB-25	10/06/15	10:20			1	3							4	X	X	X									
11	-26		10:21			1	3							4	X	X	X									
12	-27		10:24			1	3							4	X	X	X									
13	-28		10:30			1	3							4	X	X	X									
14	-29		10:38			1	3							4	X	X	X									
15	-30		11:13			1	3							4	X	X	X									

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: 98
All Samples in Cooler must be on COC

Notes/ Special Requirements: TRICHLOROETHENE MDL = 0.2 ug/L
1,1-Dichloroethene, cis-1,2-DCE and VC will be reported to MDL (if values).

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. [signature]	GHD	10/07/15 16:30		1. [signature]		10/8/15	0900
2.				2.			
3.				3.	216, 210	#1	

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Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

COOLER 1 OF 2

COC NO.: SP-01804

(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 002012	Laboratory Name: Test America	Lab Location: Buffalo NY ~~N. Canton, OH~~	SSOW ID:
Project Name: Hwy 96	Lab Contact:	Lab Quote No:	Cooler No:
Project Location: N. Oaks, MN			Carrier: FED EX
Chemistry Contact: Grant Anderson			Airbill No:
Sampler(s): M. Barnes			Date Shipped: 10/7/15

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs 524.2 ~~STANDARD~~	Chloride 300.0A	~~524.2 MDL~~	MS/MSD Request	Comments/ Special Instructions:
1	W-151006-MB-31	10/06/15	11:18	WG	G	1	3							4	X	X	X		
2	-32		11:25			3	9							12	X	X	X	X	
	-33		11:59			1	3							4	X	X	X		
	-34		12:02			1	3							4	X	X	X		
	-35		12:10			1	3							4	X	X	X		
	-36		12:40			1	3							4	X	X	X		
	-37		12:45			1	3							4	X	X	X		
8	-38		12:46			1	3							4	X	X	X		
9	-39		12:53			1	3							4	X	X	X		
10	-40		14:40			1	3							4	X	X	X		
11	-41		15:08			1	3							4	X	X	X		
12	-42		15:14			1	3							4	X	X	X		
13	-43		15:20			1	3							4	X	X	X		
14	-44		15:18			1	3							4	X	X	X		
15	-45		15:25			1	3							4	X	X	X		

TAT Required in business days (use separate COCs for different TATs): ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: ~~68~~ 198

All Samples in Cooler must be on COC

Notes/ Special Requirements: TCE RL will be 0.2 ug/L & VC, cis-1,2DE and 11DCA will be reported to MDL ("J" Values).

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	GHD	10/07/15	16:30	1. [signature]	[signature]	10/8/15	0900
				2.			
				3.	216,210	#1	

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Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

CHAIN OF CUSTODY RECORD

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

COOLER 1 OF 2

COC NO. SP- 01805
PAGE 4 OF 4
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 002012	Laboratory Name: Test America	Lab Location: Buffalo, NY ~~N. Canton, OH~~	SSOW ID:
Project Name: Hwy 96	Lab Contact:	Lab Quote No:	Cooler No:
Project Location: N. Oaks			Carrier: FED Ex
Chemistry Contact: Grant Anderson			Airbill No:
Sampler(s): M. Barnes			Date Shipped: 10/7/15

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOCs (524.2 STAT/10MB)	524.2 10MB*								MS/MSD Request	Comments/ Special Instructions:
1	TRIP BLANK	10/05/15	—	—	—		2							2	X	X									
2																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: 2

All Samples in Cooler must be on COC

Notes/ Special Requirements: TCE RL = 0.2 ug/L
198* VC, 11DCA, and Cis-1,2-DCE WILL BE reported TO MDL (1ug/L VALUES)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	GHD	10/07/15	16:30	1. [signature]	—	10/8/15	09:00
				2.			
				3.	2.6, 2.0 #1		

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT — ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10A (20110804)

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-88726-1

Login Number: 88726
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	CRA
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	False	LAB TO CHECK

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-88814-1
Client Project/Site: 002012, Highway 96 Landfill

For:
GHD Services Inc.
1801 Old Highway 8 NW
Suite 114
St Paul, Minnesota 55112

Attn: Mr. Grant Anderson

Melissa Deyo

Authorized for release by:
10/22/2015 1:47:52 PM

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance 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.
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.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-88814-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-88814-1

Receipt
The samples were received on 10/9/2015 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151007-MB-46 (480-88814-1) and W-151007-MB-56 (480-88814-11).

Method(s) 524.2: The low laboratory control sample (LLCS) for batch analytical batch 480-269464 recovered outside control limits for the following analytes: Bromomethane. This analyte was biased high in the LLCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: W-151007-MB-61 (480-88814-16), W-151007-MB-62 (480-88814-17), W-151007-MB-63 (480-88814-18), W-151007-MB-64 (480-88814-19), W-151007-MB-65 (480-88814-20), W-151007-MB-66 (480-88814-21), W-151007-MB-67 (480-88814-22), W-151007-MB-68 (480-88814-23), W-151007-MB-69 (480-88814-24), W-151007-MB-70 (480-88814-25), 8 WSR (480-88814-36), 8 WSR DUP (480-88814-37), 50E0 (480-88814-38) and 15 DUCK PASS (480-88814-39).

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151008-MB-71 (480-88814-26), W-151008-MB-71 (480-88814-26[MS]), W-151008-MB-71 (480-88814-26[MSD]), W-151008-MB-72 (480-88814-27), W-151008-MB-73 (480-88814-28), W-151008-MB-74 (480-88814-29), W-151008-MB-75 (480-88814-30) and W-151008-MB-78 (480-88814-33).

Method(s) 524.2: The analyte Methylene Chloride was outside recovery limits, biased high, in the Low Level Laboratory Control Sample (LLCS) for batch analytical batch 480-269584. Methylene Chloride was detected in the following samples: TRIP BLANK (480-88814-35). Methylene Chloride is a common laboratory contaminate, therefore any detection may potentially be due to laboratory contamination and should be evaluated accordingly

Method(s) 524.2: The low laboratory control sample (LLCS) for batch analytical batch 480-269584 recovered outside control limits for the following analyte: Methylene Chloride. This analyte were biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Method(s) 524.2: The following sample contained residual chlorine upon receipt: 50E0 (480-88814-38).

Method(s) 524.2: Due to the specific client requirements for the MDL/RL, the recovery of Total Xylenes was below the MDL, therefore could not be calculated out in the low level laboratory control spike (LLCS). The final recovery for Total Xylenes was 0.883ug/L in the LLCS. The following samples are impacted: W-151007-MB-61 (480-88814-16), W-151007-MB-62 (480-88814-17), W-151007-MB-63 (480-88814-18), W-151007-MB-64 (480-88814-19), W-151007-MB-65 (480-88814-20), W-151007-MB-66 (480-88814-21), W-151007-MB-67 (480-88814-22), W-151007-MB-68 (480-88814-23), W-151007-MB-69 (480-88814-24), W-151007-MB-70 (480-88814-25), 8 WSR (480-88814-36), 8 WSR DUP (480-88814-37), 50E0 (480-88814-38) and 15 DUCK PASS (480-88814-39)

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

HPLC/IC
Method(s) 300.0, SM 4110B: The following sample was diluted to bring the concentration of target analytes within the calibration range: W-151007-MB-69 (480-88814-24). Elevated reporting limits (RLs) are provided.

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

Job ID: 480-88814-2

Laboratory: TestAmerica Buffalo

Job ID: 480-88814-2 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Narrative

Job Narrative
480-88814-2

Receipt
The samples were received on 10/9/2015 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151007-MB-46 (480-88814-1) and W-151007-MB-56 (480-88814-11).

Method(s) 524.2: The low laboratory control sample (LLCS) for batch analytical batch 480-269464 recovered outside control limits for the following analytes: Bromomethane. This analyte was biased high in the LLCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: W-151007-MB-61 (480-88814-16), W-151007-MB-62 (480-88814-17), W-151007-MB-63 (480-88814-18), W-151007-MB-64 (480-88814-19), W-151007-MB-65 (480-88814-20), W-151007-MB-66 (480-88814-21), W-151007-MB-67 (480-88814-22), W-151007-MB-68 (480-88814-23), W-151007-MB-69 (480-88814-24), W-151007-MB-70 (480-88814-25), 8 WSR (480-88814-36), 8 WSR DUP (480-88814-37), 50E0 (480-88814-38) and 15 DUCK PASS (480-88814-39).

Method(s) 524.2: The following sample contained residual chlorine upon receipt: W-151008-MB-72 (480-88814-27).

Method(s) 524.2: The following samples contained residual chlorine upon receipt: W-151008-MB-71 (480-88814-26), W-151008-MB-71 (480-88814-26[MS]), W-151008-MB-71 (480-88814-26[MSD]), W-151008-MB-72 (480-88814-27), W-151008-MB-73 (480-88814-28), W-151008-MB-74 (480-88814-29), W-151008-MB-75 (480-88814-30) and W-151008-MB-78 (480-88814-33).

Method(s) 524.2: The following sample contained residual chlorine upon receipt: 50E0 (480-88814-38).

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

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-46 — Lab Sample ID: 480-88814-1

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	29.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-47 — Lab Sample ID: 480-88814-2

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	34.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-48 — Lab Sample ID: 480-88814-3

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-49 — Lab Sample ID: 480-88814-4

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	22.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-50 — Lab Sample ID: 480-88814-5

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-51 — Lab Sample ID: 480-88814-6

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-52 — Lab Sample ID: 480-88814-7

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-53 — Lab Sample ID: 480-88814-8

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-54 — Lab Sample ID: 480-88814-9

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	41.9		0.50	0.50	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-55 — Lab Sample ID: 480-88814-10

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.6		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-56 — Lab Sample ID: 480-88814-11

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-57 — Lab Sample ID: 480-88814-12

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-58 — Lab Sample ID: 480-88814-13

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	30.5		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-59 — Lab Sample ID: 480-88814-14

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24.1		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-60 — Lab Sample ID: 480-88814-15

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	31.3		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-61 — Lab Sample ID: 480-88814-16

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	26.3		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-62 — Lab Sample ID: 480-88814-17

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	26.3		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-63 — Lab Sample ID: 480-88814-18

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	34.9		0.50	0.50	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-64 — Lab Sample ID: 480-88814-19

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	64.6		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-65 — Lab Sample ID: 480-88814-20

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.8		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-66 — Lab Sample ID: 480-88814-21

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	28.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-67 — Lab Sample ID: 480-88814-22

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-68 — Lab Sample ID: 480-88814-23

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	7.7		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151007-MB-69 — Lab Sample ID: 480-88814-24

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	102		2.5	2.5	mg/L	5		300.0	Total/NA

Client Sample ID: W-151007-MB-70 — Lab Sample ID: 480-88814-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.8		0.50	0.074	ug/L	1		524.2	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Dichlorodifluoromethane	1.8		0.50	0.50	ug/L	1		524.2	Total/NA
Dichlorofluoromethane	0.96		0.50	0.50	ug/L	1		524.2	Total/NA
Chloride	42.8		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151008-MB-71 — Lab Sample ID: 480-88814-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.65		0.50	0.074	ug/L	1		524.2	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Dichlorodifluoromethane	0.79		0.50	0.50	ug/L	1		524.2	Total/NA
Chloride	36.3		0.50	0.50	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-72 — Lab Sample ID: 480-88814-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.62		0.50	0.074	ug/L	1		524.2	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.1		0.50	0.50	ug/L	1		524.2	Total/NA
Dichlorofluoromethane	0.60		0.50	0.50	ug/L	1		524.2	Total/NA
Chloride	42.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151008-MB-73 — Lab Sample ID: 480-88814-28

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151008-MB-74 — Lab Sample ID: 480-88814-29

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	15.7		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151008-MB-75 — Lab Sample ID: 480-88814-30

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	2.4		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151008-MB-76 — Lab Sample ID: 480-88814-31

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.1		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151008-MB-77 — Lab Sample ID: 480-88814-32

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	23.6		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151008-MB-78 — Lab Sample ID: 480-88814-33

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.0		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: W-151008-MB-79 — Lab Sample ID: 480-88814-34

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14.3		0.50	0.50	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-88814-35

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.6	*	0.50	0.50	ug/L	1		524.2	Total/NA

Client Sample ID: 8 WSR — Lab Sample ID: 480-88814-36

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: 8 WSR DUP — Lab Sample ID: 480-88814-37

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	6.9		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: 50E0 — Lab Sample ID: 480-88814-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.14	J	0.50	0.12	ug/L	1		524.2	Total/NA
Analyte	**Result**	**Qualifier**	**RL**	**RL**	**Unit**	**Dil Fac**	**D**	**Method**	**Prep Type**
Chloride	39.5		0.50	0.50	mg/L	1		300.0	Total/NA

Client Sample ID: 15 DUCK PASS — Lab Sample ID: 480-88814-39

No Detections.

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24.2		0.50	0.50	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-46

Date Collected: 10/07/15 08:45
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-1

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 17:27	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 17:27	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 17:27	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 17:27	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
2-Hexanone	ND		10	10	ug/L			10/17/15 17:27	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 17:27	1
Acetone	ND		10	10	ug/L			10/17/15 17:27	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 17:27	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1

Client Sample ID: W-151007-MB-46

Lab Sample ID: 480-88814-1

Date Collected: 10/07/15 08:45

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 17:27	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 17:27	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
t-Butanol	ND		10	10	ug/L			10/17/15 17:27	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 17:27	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 17:27	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 17:27	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 17:27	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 17:27	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 17:27	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/17/15 17:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/17/15 17:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.4**		0.50	0.50	mg/L			10/13/15 22:49	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-47

Date Collected: 10/07/15 09:20
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-2

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 04:44	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 04:44	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 04:44	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 04:44	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
2-Hexanone	ND		10	10	ug/L			10/17/15 04:44	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 04:44	1
Acetone	ND		10	10	ug/L			10/17/15 04:44	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 04:44	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1

Client Sample ID: W-151007-MB-47

Date Collected: 10/07/15 09:20
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-2

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 04:44	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 04:44	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
t-Butanol	ND		10	10	ug/L			10/17/15 04:44	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 04:44	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 04:44	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 04:44	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 04:44	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 04:44	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 04:44	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/17/15 04:44*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/17/15 04:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.4**		0.50	0.50	mg/L			10/13/15 23:03	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-48

Date Collected: 10/07/15 09:26
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-3

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 05:10	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 05:10	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 05:10	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 05:10	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
2-Hexanone	ND		10	10	ug/L			10/17/15 05:10	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 05:10	1
Acetone	ND		10	10	ug/L			10/17/15 05:10	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 05:10	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1

Client Sample ID: W-151007-MB-48

Lab Sample ID: 480-88814-3

Date Collected: 10/07/15 09:26

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 05:10	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 05:10	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
t-Butanol	ND		10	10	ug/L			10/17/15 05:10	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 05:10	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 05:10	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 05:10	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 05:10	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 05:10	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 05:10	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*10/17/15 05:10*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/17/15 05:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		0.50	0.50	mg/L			10/13/15 23:18	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-49

Date Collected: 10/07/15 09:32
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-4

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 05:37	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 05:37	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 05:37	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 05:37	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
2-Hexanone	ND		10	10	ug/L			10/17/15 05:37	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 05:37	1
Acetone	ND		10	10	ug/L			10/17/15 05:37	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 05:37	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1

Client Sample ID: W-151007-MB-49

Lab Sample ID: 480-88814-4

Date Collected: 10/07/15 09:32

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 05:37	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 05:37	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
t-Butanol	ND		10	10	ug/L			10/17/15 05:37	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 05:37	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 05:37	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 05:37	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 05:37	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 05:37	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 05:37	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 05:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/17/15 05:37*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/17/15 05:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.9**		0.50	0.50	mg/L			10/13/15 23:32	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-50

Lab Sample ID: 480-88814-5

Date Collected: 10/07/15 10:03

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 06:04	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 06:04	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 06:04	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 06:04	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
2-Hexanone	ND		10	10	ug/L			10/17/15 06:04	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 06:04	1
Acetone	ND		10	10	ug/L			10/17/15 06:04	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 06:04	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1

Client Sample ID: W-151007-MB-50

Lab Sample ID: 480-88814-5

Date Collected: 10/07/15 10:03

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 06:04	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 06:04	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
t-Butanol	ND		10	10	ug/L			10/17/15 06:04	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:04	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 06:04	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 06:04	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:04	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 06:04	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 06:04	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/17/15 06:04*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/17/15 06:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.4**		0.50	0.50	mg/L			10/13/15 23:47	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-51

Date Collected: 10/07/15 10:04
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-6

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 06:30	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 06:30	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 06:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 06:30	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
2-Hexanone	ND		10	10	ug/L			10/17/15 06:30	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 06:30	1
Acetone	ND		10	10	ug/L			10/17/15 06:30	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 06:30	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-51

Date Collected: 10/07/15 10:04
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-6

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 06:30	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 06:30	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
t-Butanol	ND		10	10	ug/L			10/17/15 06:30	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:30	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 06:30	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 06:30	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:30	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 06:30	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 06:30	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/17/15 06:30*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/17/15 06:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.4**		0.50	0.50	mg/L			10/14/15 00:02	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-52

Date Collected: 10/07/15 10:07
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-7

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 06:57	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 06:57	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 06:57	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 06:57	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
2-Hexanone	ND		10	10	ug/L			10/17/15 06:57	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 06:57	1
Acetone	ND		10	10	ug/L			10/17/15 06:57	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 06:57	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-52

Date Collected: 10/07/15 10:07
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-7

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 06:57	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 06:57	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
t-Butanol	ND		10	10	ug/L			10/17/15 06:57	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 06:57	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 06:57	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 06:57	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 06:57	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 06:57	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 06:57	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/17/15 06:57*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/17/15 06:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.0**		0.50	0.50	mg/L			10/14/15 00:16	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-53

Lab Sample ID: 480-88814-8

Date Collected: 10/07/15 10:10

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 07:24	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 07:24	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 07:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 07:24	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
2-Hexanone	ND		10	10	ug/L			10/17/15 07:24	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 07:24	1
Acetone	ND		10	10	ug/L			10/17/15 07:24	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 07:24	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1

Client Sample ID: W-151007-MB-53

Lab Sample ID: 480-88814-8

Date Collected: 10/07/15 10:10

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 07:24	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 07:24	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
t-Butanol	ND		10	10	ug/L			10/17/15 07:24	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 07:24	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 07:24	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 07:24	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 07:24	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 07:24	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 07:24	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 07:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/17/15 07:24*	*1*
4-Bromofluorobenzene (Surr)	*93*		*80 - 120*		*10/17/15 07:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.9**		0.50	0.50	mg/L			10/14/15 00:31	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-54

Lab Sample ID: 480-88814-9

Date Collected: 10/07/15 10:40

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 07:50	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 07:50	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 07:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 07:50	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
2-Hexanone	ND		10	10	ug/L			10/17/15 07:50	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 07:50	1
Acetone	ND		10	10	ug/L			10/17/15 07:50	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 07:50	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Chloroethane	ND	F1	0.50	0.50	ug/L			10/17/15 07:50	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1

Client Sample ID: W-151007-MB-54

Lab Sample ID: 480-88814-9

Date Collected: 10/07/15 10:40

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Methylene Chloride	ND	F2	0.50	0.50	ug/L			10/17/15 07:50	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 07:50	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
t-Butanol	ND		10	10	ug/L			10/17/15 07:50	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 07:50	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 07:50	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 07:50	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 07:50	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 07:50	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 07:50	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/17/15 07:50*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/17/15 07:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**41.9**		0.50	0.50	mg/L			10/14/15 02:42	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-55

Lab Sample ID: 480-88814-10

Date Collected: 10/07/15 11:13

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 17:54	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 17:54	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 17:54	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 17:54	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
2-Hexanone	ND		10	10	ug/L			10/17/15 17:54	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 17:54	1
Acetone	ND		10	10	ug/L			10/17/15 17:54	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 17:54	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1

Client Sample ID: W-151007-MB-55

Lab Sample ID: 480-88814-10

Date Collected: 10/07/15 11:13

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 17:54	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 17:54	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
t-Butanol	ND		10	10	ug/L			10/17/15 17:54	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 17:54	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 17:54	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 17:54	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 17:54	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 17:54	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 17:54	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 17:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/17/15 17:54*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/17/15 17:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.6**		0.50	0.50	mg/L			10/14/15 00:45	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-56

Date Collected: 10/07/15 11:35
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-11

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 18:21	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 18:21	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 18:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 18:21	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
2-Hexanone	ND		10	10	ug/L			10/17/15 18:21	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 18:21	1
Acetone	ND		10	10	ug/L			10/17/15 18:21	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 18:21	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1

Client Sample ID: W-151007-MB-56

Lab Sample ID: 480-88814-11

Date Collected: 10/07/15 11:35

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 18:21	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 18:21	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
t-Butanol	ND		10	10	ug/L			10/17/15 18:21	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 18:21	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 18:21	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 18:21	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 18:21	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 18:21	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 18:21	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*10/17/15 18:21*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/17/15 18:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.4**		0.50	0.50	mg/L			10/14/15 03:26	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-57

Lab Sample ID: 480-88814-12

Date Collected: 10/07/15 11:40

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 18:48	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 18:48	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 18:48	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 18:48	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
2-Hexanone	ND		10	10	ug/L			10/17/15 18:48	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 18:48	1
Acetone	ND		10	10	ug/L			10/17/15 18:48	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 18:48	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-57

Lab Sample ID: 480-88814-12

Date Collected: 10/07/15 11:40
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 18:48	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 18:48	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
t-Butanol	ND		10	10	ug/L			10/17/15 18:48	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 18:48	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 18:48	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 18:48	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 18:48	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 18:48	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 18:48	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/17/15 18:48*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/17/15 18:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.0**		0.50	0.50	mg/L			10/14/15 03:40	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-58

Lab Sample ID: 480-88814-13

Date Collected: 10/07/15 11:50
Date Received: 10/09/15 10:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 19:15	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 19:15	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 19:15	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 19:15	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
2-Hexanone	ND		10	10	ug/L			10/17/15 19:15	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 19:15	1
Acetone	ND		10	10	ug/L			10/17/15 19:15	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 19:15	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-58

Lab Sample ID: 480-88814-13

Date Collected: 10/07/15 11:50
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 19:15	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 19:15	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
t-Butanol	ND		10	10	ug/L			10/17/15 19:15	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 19:15	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 19:15	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 19:15	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 19:15	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 19:15	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 19:15	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/17/15 19:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/17/15 19:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30.5**		0.50	0.50	mg/L			10/14/15 03:55	1

Client Sample ID: W-151007-MB-59

Lab Sample ID: 480-88814-14

Date Collected: 10/07/15 13:10

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 19:41	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 19:41	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 19:41	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 19:41	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
2-Hexanone	ND		10	10	ug/L			10/17/15 19:41	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 19:41	1
Acetone	ND		10	10	ug/L			10/17/15 19:41	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 19:41	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1

Client Sample ID: W-151007-MB-59

Lab Sample ID: 480-88814-14

Date Collected: 10/07/15 13:10

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 19:41	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 19:41	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
t-Butanol	ND		10	10	ug/L			10/17/15 19:41	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 19:41	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 19:41	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 19:41	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 19:41	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 19:41	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 19:41	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/17/15 19:41*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/17/15 19:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.1**		0.50	0.50	mg/L			10/14/15 04:10	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-60

Lab Sample ID: 480-88814-15

Date Collected: 10/07/15 13:15
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/17/15 20:08	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 20:08	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 20:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 20:08	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
2-Hexanone	ND		10	10	ug/L			10/17/15 20:08	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 20:08	1
Acetone	ND		10	10	ug/L			10/17/15 20:08	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 20:08	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-60

Lab Sample ID: 480-88814-15

Date Collected: 10/07/15 13:15
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 20:08	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 20:08	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
t-Butanol	ND		10	10	ug/L			10/17/15 20:08	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 20:08	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 20:08	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 20:08	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 20:08	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 20:08	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 20:08	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*10/17/15 20:08*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/17/15 20:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.3**		0.50	0.50	mg/L			10/14/15 04:24	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-61

Lab Sample ID: 480-88814-16

Date Collected: 10/07/15 13:18

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 01:26	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 01:26	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 01:26	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 01:26	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
2-Hexanone	ND		10	10	ug/L			10/18/15 01:26	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 01:26	1
Acetone	ND		10	10	ug/L			10/18/15 01:26	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 01:26	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 01:26	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1

Client Sample ID: W-151007-MB-61

Lab Sample ID: 480-88814-16

Date Collected: 10/07/15 13:18

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 01:26	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 01:26	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
t-Butanol	ND		10	10	ug/L			10/18/15 01:26	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 01:26	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 01:26	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 01:26	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 01:26	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 01:26	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 01:26	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/18/15 01:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/18/15 01:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.3**		0.50	0.50	mg/L			10/14/15 05:37	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-62

Lab Sample ID: 480-88814-17

Date Collected: 10/07/15 13:18

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 01:52	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 01:52	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 01:52	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 01:52	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
2-Hexanone	ND		10	10	ug/L			10/18/15 01:52	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 01:52	1
Acetone	ND		10	10	ug/L			10/18/15 01:52	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 01:52	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 01:52	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1

Client Sample ID: W-151007-MB-62

Lab Sample ID: 480-88814-17

Date Collected: 10/07/15 13:18

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 01:52	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 01:52	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
t-Butanol	ND		10	10	ug/L			10/18/15 01:52	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 01:52	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 01:52	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 01:52	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 01:52	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 01:52	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 01:52	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/18/15 01:52*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/18/15 01:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.3**		0.50	0.50	mg/L			10/14/15 05:52	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-63

Lab Sample ID: 480-88814-18

Date Collected: 10/07/15 13:33
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 02:19	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 02:19	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 02:19	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 02:19	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
2-Hexanone	ND		10	10	ug/L			10/18/15 02:19	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 02:19	1
Acetone	ND		10	10	ug/L			10/18/15 02:19	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 02:19	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 02:19	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1

Client Sample ID: W-151007-MB-63

Lab Sample ID: 480-88814-18

Date Collected: 10/07/15 13:33

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 02:19	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 02:19	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
t-Butanol	ND		10	10	ug/L			10/18/15 02:19	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 02:19	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 02:19	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 02:19	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 02:19	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 02:19	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 02:19	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*10/18/15 02:19*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/18/15 02:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**34.9**		0.50	0.50	mg/L			10/14/15 06:06	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-64

Lab Sample ID: 480-88814-19

Date Collected: 10/07/15 14:00
Date Received: 10/09/15 10:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 02:46	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 02:46	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 02:46	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 02:46	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
2-Hexanone	ND		10	10	ug/L			10/18/15 02:46	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 02:46	1
Acetone	ND		10	10	ug/L			10/18/15 02:46	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 02:46	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 02:46	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1

Client Sample ID: W-151007-MB-64

Lab Sample ID: 480-88814-19

Date Collected: 10/07/15 14:00

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 02:46	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 02:46	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
t-Butanol	ND		10	10	ug/L			10/18/15 02:46	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 02:46	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 02:46	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 02:46	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 02:46	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 02:46	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 02:46	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*10/18/15 02:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/18/15 02:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.6**		0.50	0.50	mg/L			10/14/15 06:21	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-65

Lab Sample ID: 480-88814-20

Date Collected: 10/07/15 14:02

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 03:12	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 03:12	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 03:12	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 03:12	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
2-Hexanone	ND		10	10	ug/L			10/18/15 03:12	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 03:12	1
Acetone	ND		10	10	ug/L			10/18/15 03:12	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 03:12	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 03:12	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1

Client Sample ID: W-151007-MB-65

Lab Sample ID: 480-88814-20

Date Collected: 10/07/15 14:02

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 03:12	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 03:12	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
t-Butanol	ND		10	10	ug/L			10/18/15 03:12	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 03:12	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 03:12	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 03:12	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 03:12	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 03:12	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 03:12	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/18/15 03:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/18/15 03:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.8**		0.50	0.50	mg/L			10/14/15 06:35	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-66

Lab Sample ID: 480-88814-21

Date Collected: 10/07/15 14:05

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 03:39	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 03:39	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 03:39	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 03:39	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
2-Hexanone	ND		10	10	ug/L			10/18/15 03:39	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 03:39	1
Acetone	ND		10	10	ug/L			10/18/15 03:39	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 03:39	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 03:39	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1

Client Sample ID: W-151007-MB-66

Lab Sample ID: 480-88814-21

Date Collected: 10/07/15 14:05

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 03:39	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 03:39	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
t-Butanol	ND		10	10	ug/L			10/18/15 03:39	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 03:39	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 03:39	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 03:39	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 03:39	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 03:39	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 03:39	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/18/15 03:39*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/18/15 03:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28.4**		0.50	0.50	mg/L			10/14/15 06:50	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-67

Lab Sample ID: 480-88814-22

Date Collected: 10/07/15 14:10

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 04:06	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 04:06	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 04:06	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 04:06	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
2-Hexanone	ND		10	10	ug/L			10/18/15 04:06	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 04:06	1
Acetone	ND		10	10	ug/L			10/18/15 04:06	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 04:06	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 04:06	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1

Client Sample ID: W-151007-MB-67

Lab Sample ID: 480-88814-22

Date Collected: 10/07/15 14:10

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 04:06	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 04:06	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
t-Butanol	ND		10	10	ug/L			10/18/15 04:06	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:06	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 04:06	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 04:06	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:06	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 04:06	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 04:06	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/18/15 04:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*10/18/15 04:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.4**		0.50	0.50	mg/L			10/14/15 07:05	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-68

Lab Sample ID: 480-88814-23

Date Collected: 10/07/15 14:40
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 04:32	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 04:32	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 04:32	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 04:32	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
2-Hexanone	ND		10	10	ug/L			10/18/15 04:32	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 04:32	1
Acetone	ND		10	10	ug/L			10/18/15 04:32	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 04:32	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 04:32	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1

Client Sample ID: W-151007-MB-68

Lab Sample ID: 480-88814-23

Date Collected: 10/07/15 14:40

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 04:32	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 04:32	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
t-Butanol	ND		10	10	ug/L			10/18/15 04:32	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:32	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 04:32	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 04:32	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:32	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 04:32	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 04:32	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*10/18/15 04:32*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/18/15 04:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.7**		0.50	0.50	mg/L			10/14/15 07:19	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-69

Lab Sample ID: 480-88814-24

Date Collected: 10/07/15 14:45

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 04:59	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 04:59	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 04:59	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 04:59	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
2-Hexanone	ND		10	10	ug/L			10/18/15 04:59	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 04:59	1
Acetone	ND		10	10	ug/L			10/18/15 04:59	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 04:59	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 04:59	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1

Client Sample ID: W-151007-MB-69

Lab Sample ID: 480-88814-24

Date Collected: 10/07/15 14:45

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 04:59	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 04:59	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
t-Butanol	ND		10	10	ug/L			10/18/15 04:59	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 04:59	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 04:59	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 04:59	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 04:59	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 04:59	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 04:59	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 04:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/18/15 04:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/18/15 04:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**102**		2.5	2.5	mg/L			10/15/15 14:09	5

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-70

Lab Sample ID: 480-88814-25

Date Collected: 10/07/15 14:50
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**1.8**		0.50	0.074	ug/L			10/18/15 05:27	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 05:27	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 05:27	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 05:27	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
2-Hexanone	ND		10	10	ug/L			10/18/15 05:27	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 05:27	1
Acetone	ND		10	10	ug/L			10/18/15 05:27	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 05:27	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 05:27	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1

Client Sample ID: W-151007-MB-70

Lab Sample ID: 480-88814-25

Date Collected: 10/07/15 14:50

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.8**		0.50	0.50	ug/L			10/18/15 05:27	1
Dichlorofluoromethane	**0.96**		0.50	0.50	ug/L			10/18/15 05:27	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 05:27	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 05:27	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
t-Butanol	ND		10	10	ug/L			10/18/15 05:27	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 05:27	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 05:27	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 05:27	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 05:27	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 05:27	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 05:27	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/18/15 05:27*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/18/15 05:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.8**		0.50	0.50	mg/L			10/12/15 23:44	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-71

Lab Sample ID: 480-88814-26

Date Collected: 10/08/15 09:42
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.65**		0.50	0.074	ug/L			10/19/15 15:49	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 15:49	1
Vinyl chloride	ND	F1 F2	0.20	0.059	ug/L			10/19/15 15:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 15:49	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
2-Hexanone	ND		10	10	ug/L			10/19/15 15:49	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 15:49	1
Acetone	ND		10	10	ug/L			10/19/15 15:49	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 15:49	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Bromomethane	ND	F1 F2	0.50	0.50	ug/L			10/19/15 15:49	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Chloroethane	ND	F1 F2	0.50	0.50	ug/L			10/19/15 15:49	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Chloromethane	ND	F2	0.50	0.50	ug/L			10/19/15 15:49	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1

Client Sample ID: W-151008-MB-71

Lab Sample ID: 480-88814-26

Date Collected: 10/08/15 09:42

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.79**		0.50	0.50	ug/L			10/19/15 15:49	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/19/15 15:49	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 15:49	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
t-Butanol	ND		10	10	ug/L			10/19/15 15:49	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 15:49	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 15:49	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 15:49	1
Trichlorofluoromethane	ND	F2	0.50	0.50	ug/L			10/19/15 15:49	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 15:49	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 15:49	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/19/15 15:49*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/19/15 15:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**36.3**		0.50	0.50	mg/L			10/13/15 00:57	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-72

Date Collected: 10/08/15 10:00
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-27

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.62**		0.50	0.074	ug/L			10/19/15 03:53	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 03:53	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 03:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 03:53	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
2-Hexanone	ND		10	10	ug/L			10/19/15 03:53	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 03:53	1
Acetone	ND		10	10	ug/L			10/19/15 03:53	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 03:53	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1

Client Sample ID: W-151008-MB-72

Lab Sample ID: 480-88814-27

Date Collected: 10/08/15 10:00

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1.1**		0.50	0.50	ug/L			10/19/15 03:53	1
Dichlorofluoromethane	**0.60**		0.50	0.50	ug/L			10/19/15 03:53	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/19/15 03:53	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 03:53	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
t-Butanol	ND		10	10	ug/L			10/19/15 03:53	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 03:53	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 03:53	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 03:53	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 03:53	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 03:53	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 03:53	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/19/15 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/19/15 03:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/19/15 03:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.4**		0.50	0.50	mg/L			10/12/15 23:59	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-73

Lab Sample ID: 480-88814-28

Date Collected: 10/08/15 11:47

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/19/15 16:42	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 16:42	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 16:42	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 16:42	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
2-Hexanone	ND		10	10	ug/L			10/19/15 16:42	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 16:42	1
Acetone	ND		10	10	ug/L			10/19/15 16:42	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 16:42	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1

Client Sample ID: W-151008-MB-73

Lab Sample ID: 480-88814-28

Date Collected: 10/08/15 11:47

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/19/15 16:42	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 16:42	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
t-Butanol	ND		10	10	ug/L			10/19/15 16:42	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 16:42	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 16:42	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 16:42	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 16:42	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 16:42	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 16:42	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/19/15 16:42*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/19/15 16:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.9**		0.50	0.50	mg/L			10/13/15 00:13	1

Client Sample ID: W-151008-MB-74

Lab Sample ID: 480-88814-29

Date Collected: 10/08/15 11:43

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/19/15 17:09	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 17:09	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 17:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 17:09	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
2-Hexanone	ND		10	10	ug/L			10/19/15 17:09	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 17:09	1
Acetone	ND		10	10	ug/L			10/19/15 17:09	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 17:09	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1

Client Sample ID: W-151008-MB-74

Lab Sample ID: 480-88814-29

Date Collected: 10/08/15 11:43

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/19/15 17:09	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 17:09	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
t-Butanol	ND		10	10	ug/L			10/19/15 17:09	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 17:09	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 17:09	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 17:09	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 17:09	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 17:09	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 17:09	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/19/15 17:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*10/19/15 17:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.7**		0.50	0.50	mg/L			10/13/15 00:28	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-75

Date Collected: 10/08/15 12:20
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-30

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/19/15 17:35	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 17:35	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 17:35	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 17:35	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
2-Hexanone	ND		10	10	ug/L			10/19/15 17:35	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 17:35	1
Acetone	ND		10	10	ug/L			10/19/15 17:35	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 17:35	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1

Client Sample ID: W-151008-MB-75

Lab Sample ID: 480-88814-30

Date Collected: 10/08/15 12:20

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/19/15 17:35	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 17:35	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
t-Butanol	ND		10	10	ug/L			10/19/15 17:35	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 17:35	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 17:35	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 17:35	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 17:35	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 17:35	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 17:35	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 17:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/19/15 17:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/19/15 17:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.4**		0.50	0.50	mg/L			10/13/15 00:43	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-76

Lab Sample ID: 480-88814-31

Date Collected: 10/08/15 12:28

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/19/15 18:02	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 18:02	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 18:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 18:02	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
2-Hexanone	ND		10	10	ug/L			10/19/15 18:02	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 18:02	1
Acetone	ND		10	10	ug/L			10/19/15 18:02	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 18:02	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1

Client Sample ID: W-151008-MB-76

Lab Sample ID: 480-88814-31

Date Collected: 10/08/15 12:28

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/19/15 18:02	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 18:02	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
t-Butanol	ND		10	10	ug/L			10/19/15 18:02	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:02	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 18:02	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 18:02	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:02	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 18:02	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 18:02	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*10/19/15 18:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/19/15 18:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.1**		0.50	0.50	mg/L			10/13/15 02:39	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-77

Lab Sample ID: 480-88814-32

Date Collected: 10/08/15 12:57

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/19/15 18:29	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 18:29	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 18:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 18:29	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
2-Hexanone	ND		10	10	ug/L			10/19/15 18:29	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 18:29	1
Acetone	ND		10	10	ug/L			10/19/15 18:29	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 18:29	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1

Client Sample ID: W-151008-MB-77

Lab Sample ID: 480-88814-32

Date Collected: 10/08/15 12:57

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/19/15 18:29	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 18:29	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
t-Butanol	ND		10	10	ug/L			10/19/15 18:29	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:29	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 18:29	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 18:29	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:29	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 18:29	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 18:29	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/19/15 18:29*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/19/15 18:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**23.6**		0.50	0.50	mg/L			10/13/15 02:54	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-78

Lab Sample ID: 480-88814-33

Date Collected: 10/08/15 12:59

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/19/15 18:56	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 18:56	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 18:56	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 18:56	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
2-Hexanone	ND		10	10	ug/L			10/19/15 18:56	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 18:56	1
Acetone	ND		10	10	ug/L			10/19/15 18:56	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 18:56	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1

Client Sample ID: W-151008-MB-78

Lab Sample ID: 480-88814-33

Date Collected: 10/08/15 12:59

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/19/15 18:56	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 18:56	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
t-Butanol	ND		10	10	ug/L			10/19/15 18:56	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 18:56	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 18:56	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 18:56	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 18:56	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 18:56	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 18:56	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/19/15 18:56*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/19/15 18:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.0**		0.50	0.50	mg/L			10/13/15 03:08	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-79

Lab Sample ID: 480-88814-34

Date Collected: 10/08/15 13:10

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/19/15 19:23	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 19:23	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 19:23	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 19:23	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
2-Hexanone	ND		10	10	ug/L			10/19/15 19:23	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 19:23	1
Acetone	ND		10	10	ug/L			10/19/15 19:23	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 19:23	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1

Client Sample ID: W-151008-MB-79

Lab Sample ID: 480-88814-34

Date Collected: 10/08/15 13:10

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Methylene Chloride	ND	*	0.50	0.50	ug/L			10/19/15 19:23	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 19:23	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
t-Butanol	ND		10	10	ug/L			10/19/15 19:23	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 19:23	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 19:23	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 19:23	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 19:23	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 19:23	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 19:23	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/19/15 19:23*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/19/15 19:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14.3**		0.50	0.50	mg/L			10/13/15 03:23	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-88814-35

Date Collected: 10/08/15 00:00
Matrix: Water
Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/19/15 19:49	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 19:49	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 19:49	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 19:49	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
2-Hexanone	ND		10	10	ug/L			10/19/15 19:49	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 19:49	1
Acetone	ND		10	10	ug/L			10/19/15 19:49	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 19:49	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-88814-35

Date Collected: 10/08/15 00:00

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Methylene Chloride	**1.6**	*	0.50	0.50	ug/L			10/19/15 19:49	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 19:49	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
t-Butanol	ND		10	10	ug/L			10/19/15 19:49	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 19:49	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 19:49	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 19:49	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 19:49	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 19:49	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 19:49	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/19/15 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*		*10/19/15 19:49*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/19/15 19:49*	*1*

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: 8 WSR

Date Collected: 10/07/15 09:15
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-36

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 05:53	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 05:53	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 05:53	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 05:53	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
2-Hexanone	ND		10	10	ug/L			10/18/15 05:53	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 05:53	1
Acetone	ND		10	10	ug/L			10/18/15 05:53	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 05:53	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 05:53	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1

Client Sample ID: 8 WSR

Lab Sample ID: 480-88814-36

Date Collected: 10/07/15 09:15

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 05:53	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 05:53	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
t-Butanol	ND		10	10	ug/L			10/18/15 05:53	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 05:53	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 05:53	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 05:53	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 05:53	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 05:53	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 05:53	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 05:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/18/15 05:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/18/15 05:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.9**		0.50	0.50	mg/L			10/13/15 03:38	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: 8 WSR DUP

Date Collected: 10/07/15 09:15
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-37

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 06:20	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 06:20	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 06:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 06:20	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
2-Hexanone	ND		10	10	ug/L			10/18/15 06:20	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 06:20	1
Acetone	ND		10	10	ug/L			10/18/15 06:20	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 06:20	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 06:20	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1

Client Sample ID: 8 WSR DUP

Lab Sample ID: 480-88814-37

Date Collected: 10/07/15 09:15

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 06:20	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 06:20	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
t-Butanol	ND		10	10	ug/L			10/18/15 06:20	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 06:20	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 06:20	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 06:20	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 06:20	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 06:20	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 06:20	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*		*10/18/15 06:20*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/18/15 06:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.9**		0.50	0.50	mg/L			10/13/15 03:52	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: 50E0

Date Collected: 10/07/15 09:50
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-38

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 06:47	1
cis-1,2-Dichloroethene	**0.14**	**J**	0.50	0.12	ug/L			10/18/15 06:47	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 06:47	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 06:47	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
2-Hexanone	ND		10	10	ug/L			10/18/15 06:47	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 06:47	1
Acetone	ND		10	10	ug/L			10/18/15 06:47	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 06:47	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 06:47	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: 50E0

Date Collected: 10/07/15 09:50
Date Received: 10/09/15 10:00

Lab Sample ID: 480-88814-38

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 06:47	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 06:47	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
t-Butanol	ND		10	10	ug/L			10/18/15 06:47	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 06:47	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 06:47	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 06:47	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 06:47	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 06:47	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 06:47	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*10/18/15 06:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*10/18/15 06:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**39.5**		0.50	0.50	mg/L			10/13/15 04:07	1

Client Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: 15 DUCK PASS

Lab Sample ID: 480-88814-39

Date Collected: 10/07/15 10:15
Date Received: 10/09/15 10:00

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.50	0.074	ug/L			10/18/15 07:14	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 07:14	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 07:14	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 07:14	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
2-Hexanone	ND		10	10	ug/L			10/18/15 07:14	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 07:14	1
Acetone	ND		10	10	ug/L			10/18/15 07:14	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 07:14	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Bromomethane	ND	*	0.50	0.50	ug/L			10/18/15 07:14	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1

Client Sample ID: 15 DUCK PASS

Lab Sample ID: 480-88814-39

Date Collected: 10/07/15 10:15

Matrix: Water

Date Received: 10/09/15 10:00

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 07:14	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 07:14	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
t-Butanol	ND		10	10	ug/L			10/18/15 07:14	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 07:14	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 07:14	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 07:14	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 07:14	1
Trihalomethanes, Total	ND	*	2.0	2.0	ug/L			10/18/15 07:14	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 07:14	1
Xylenes, Total	ND	*	1.0	1.0	ug/L			10/18/15 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/18/15 07:14*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*10/18/15 07:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24.2**		0.50	0.50	mg/L			10/13/15 04:21	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	12DCB (80-120)	BFB (80-120)								
480-88814-1	W-151007-MB-46	100	95								
480-88814-2	W-151007-MB-47	103	97								
480-88814-3	W-151007-MB-48	104	96								
480-88814-4	W-151007-MB-49	102	99								
480-88814-5	W-151007-MB-50	101	95								
480-88814-6	W-151007-MB-51	103	97								
480-88814-7	W-151007-MB-52	101	97								
480-88814-8	W-151007-MB-53	101	93								
480-88814-9	W-151007-MB-54	100	97								
480-88814-9 MS	W-151007-MB-54	101	99								
480-88814-9 MSD	W-151007-MB-54	103	101								
480-88814-10	W-151007-MB-55	101	99								
480-88814-11	W-151007-MB-56	104	99								
480-88814-12	W-151007-MB-57	103	98								
480-88814-13	W-151007-MB-58	103	98								
480-88814-14	W-151007-MB-59	102	98								
480-88814-15	W-151007-MB-60	104	98								
480-88814-16	W-151007-MB-61	102	96								
480-88814-17	W-151007-MB-62	103	97								
480-88814-18	W-151007-MB-63	104	97								
480-88814-19	W-151007-MB-64	104	98								
480-88814-20	W-151007-MB-65	103	99								
480-88814-21	W-151007-MB-66	102	97								
480-88814-22	W-151007-MB-67	102	99								
480-88814-23	W-151007-MB-68	104	98								
480-88814-24	W-151007-MB-69	102	96								
480-88814-25	W-151007-MB-70	102	98								
480-88814-26	W-151008-MB-71	103	96								
480-88814-26 MS	W-151008-MB-71	100	100								
480-88814-26 MSD	W-151008-MB-71	100	101								
480-88814-27	W-151008-MB-72	102	97								
480-88814-28	W-151008-MB-73	101	98								
480-88814-29	W-151008-MB-74	102	94								
480-88814-30	W-151008-MB-75	102	97								
480-88814-31	W-151008-MB-76	104	98								
480-88814-32	W-151008-MB-77	103	97								
480-88814-33	W-151008-MB-78	103	98								
480-88814-34	W-151008-MB-79	102	98								
480-88814-35	TRIP BLANK	100	96								
480-88814-36	8 WSR	101	97								
480-88814-37	8 WSR DUP	102	97								
480-88814-38	50E0	103	95								
480-88814-39	15 DUCK PASS	101	96								
LCS 480-269354/3	Lab Control Sample	101	99								
LCS 480-269398/3	Lab Control Sample	101	97								
LCS 480-269464/25	Lab Control Sample	102	101								
LCS 480-269504/3	Lab Control Sample	101	101								
LCS 480-269584/3	Lab Control Sample	101	98								
LCSD 480-269354/4	Lab Control Sample Dup	100	99								

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	12DCB (80-120)	BFB (80-120)						
LCSD 480-269398/4	Lab Control Sample Dup	102	99						
LCSD 480-269464/26	Lab Control Sample Dup	102	99						
LCSD 480-269504/4	Lab Control Sample Dup	102	100						
LCSD 480-269584/4	Lab Control Sample Dup	102	99						
LLCS 480-269354/5	Lab Control Sample	103	99						
LLCS 480-269398/5	Lab Control Sample	102	99						
LLCS 480-269464/5	Lab Control Sample	100	99						
LLCS 480-269504/5	Lab Control Sample	103	97						
LLCS 480-269584/5	Lab Control Sample	102	100						
MB 480-269354/6	Method Blank	101	98						
MB 480-269398/6	Method Blank	101	97						
MB 480-269464/6	Method Blank	103	97						
MB 480-269504/6	Method Blank	106	97						
MB 480-269584/6	Method Blank	100	94						

Surrogate Legend

12DCB = 1,2-Dichlorobenzene-d4

BFB = 4-Bromofluorobenzene (Surr)

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-269354/6
Matrix: Water
Analysis Batch: 269354

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	ND		0.50	0.074	ug/L			10/17/15 00:36	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 00:36	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 00:36	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 00:36	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
2-Hexanone	ND		10	10	ug/L			10/17/15 00:36	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 00:36	1
Acetone	ND		10	10	ug/L			10/17/15 00:36	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 00:36	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 00:36	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-269354/6
Matrix: Water
Analysis Batch: 269354

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 00:36	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 00:36	1
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
t-Butanol	ND		10	10	ug/L			10/17/15 00:36	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 00:36	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 00:36	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 00:36	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 00:36	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 00:36	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 00:36	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 00:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/17/15 00:36*	*1*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*10/17/15 00:36*	*1*

Lab Sample ID: LCS 480-269354/3
Matrix: Water
Analysis Batch: 269354

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	4.00	3.90		ug/L		97	70 - 130
cis-1,2-Dichloroethene	4.00	3.91		ug/L		98	70 - 130
Vinyl chloride	4.00	4.27		ug/L		107	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	3.91		ug/L		98	70 - 130
1,1,1-Trichloroethane	4.00	4.10		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	4.00	4.05		ug/L		101	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-269354/3
Matrix: Water
Analysis Batch: 269354

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	4.00	3.90		ug/L		98	70 - 130
1,1-Dichloroethene	4.00	4.14		ug/L		104	70 - 130
1,1-Dichloropropene	4.00	4.01		ug/L		100	70 - 130
1,2,3-Trichlorobenzene	4.00	3.83		ug/L		96	70 - 130
1,2,3-Trichloropropane	4.00	3.97		ug/L		99	70 - 130
1,2,4-Trichlorobenzene	4.00	3.79		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	4.00	3.93		ug/L		98	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	3.96		ug/L		99	70 - 130
1,2-Dibromoethane	4.00	4.01		ug/L		100	70 - 130
1,2-Dichlorobenzene	4.00	3.95		ug/L		99	70 - 130
1,2-Dichloroethane	4.00	4.00		ug/L		100	70 - 130
1,2-Dichloropropane	4.00	4.12		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	4.00	3.94		ug/L		99	70 - 130
1,3-Dichlorobenzene	4.00	3.91		ug/L		98	70 - 130
1,3-Dichloropropane	4.00	4.04		ug/L		101	70 - 130
1,4-Dichlorobenzene	4.00	3.95		ug/L		99	70 - 130
2,2-Dichloropropane	4.00	3.49		ug/L		87	70 - 130
2-Butanone (MEK)	20.0	20.0		ug/L		100	70 - 130
2-Chlorotoluene	4.00	3.91		ug/L		98	70 - 130
2-Hexanone	20.0	19.5		ug/L		98	70 - 130
4-Chlorotoluene	4.00	3.81		ug/L		95	70 - 130
4-Isopropyltoluene	4.00	3.93		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	20.4		ug/L		102	70 - 130
Acetone	20.0	19.1		ug/L		95	70 - 130
Benzene	4.00	4.02		ug/L		101	70 - 130
Bromobenzene	4.00	3.94		ug/L		98	70 - 130
Bromochloromethane	4.00	3.92		ug/L		98	70 - 130
Bromoform	4.00	4.29		ug/L		107	70 - 130
Bromomethane	4.00	3.80		ug/L		95	70 - 130
Carbon disulfide	4.00	3.71		ug/L		93	70 - 130
Carbon tetrachloride	4.00	4.38		ug/L		109	70 - 130
Chlorobenzene	4.00	3.92		ug/L		98	70 - 130
Chlorodibromomethane	4.00	3.95		ug/L		99	70 - 130
Chloroethane	4.00	4.30		ug/L		107	70 - 130
Chloroform	4.00	3.92		ug/L		98	70 - 130
Chloromethane	4.00	3.85		ug/L		96	70 - 130
cis-1,3-Dichloropropene	4.00	4.04		ug/L		101	70 - 130
Dibromomethane	4.00	4.13		ug/L		103	70 - 130
Dichlorobromomethane	4.00	4.00		ug/L		100	70 - 130
Dichlorodifluoromethane	4.00	4.02		ug/L		100	70 - 130
Ethylbenzene	4.00	3.94		ug/L		99	70 - 130
Hexachlorobutadiene	4.00	3.87		ug/L		97	70 - 130
Isopropylbenzene	4.00	3.97		ug/L		99	70 - 130
Methyl tert-butyl ether	4.00	3.95		ug/L		99	70 - 130
Methylene Chloride	4.00	4.18		ug/L		105	70 - 130
Naphthalene	4.00	3.89		ug/L		97	70 - 130
n-Butylbenzene	4.00	3.90		ug/L		98	70 - 130
n-Propylbenzene	4.00	3.98		ug/L		99	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-269354/3
Matrix: Water
Analysis Batch: 269354

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
sec-Butylbenzene	4.00	3.93		ug/L		98	70 - 130
Styrene	4.00	3.87		ug/L		97	70 - 130
tert-Butylbenzene	4.00	3.92		ug/L		98	70 - 130
Tetrachloroethene	4.00	4.11		ug/L		103	70 - 130
Toluene	4.00	4.06		ug/L		102	70 - 130
trans-1,2-Dichloroethene	4.00	4.09		ug/L		102	70 - 130
trans-1,3-Dichloropropene	4.00	3.87		ug/L		97	70 - 130
Trichloroethene	4.00	4.06		ug/L		101	70 - 130
Trichlorofluoromethane	4.00	4.53		ug/L		113	70 - 130
Xylenes, Total	8.00	7.76		ug/L		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 480-269354/4
Matrix: Water
Analysis Batch: 269354

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	4.00	4.01		ug/L		100	70 - 130	3	20
cis-1,2-Dichloroethene	4.00	4.06		ug/L		102	70 - 130	4	20
Vinyl chloride	4.00	4.48		ug/L		112	70 - 130	5	20

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.00	3.97		ug/L		99	70 - 130	1	20
1,1,1-Trichloroethane	4.00	4.19		ug/L		105	70 - 130	2	20
1,1,2,2-Tetrachloroethane	4.00	4.03		ug/L		101	70 - 130	0	20
1,1,2-Trichloroethane	4.00	4.13		ug/L		103	70 - 130	6	20
1,1-Dichloroethene	4.00	4.18		ug/L		104	70 - 130	1	20
1,1-Dichloropropene	4.00	4.18		ug/L		105	70 - 130	4	20
1,2,3-Trichlorobenzene	4.00	3.83		ug/L		96	70 - 130	0	20
1,2,3-Trichloropropane	4.00	4.04		ug/L		101	70 - 130	2	20
1,2,4-Trichlorobenzene	4.00	3.95		ug/L		99	70 - 130	4	20
1,2,4-Trimethylbenzene	4.00	4.03		ug/L		101	70 - 130	2	20
1,2-Dibromo-3-Chloropropane	4.00	4.05		ug/L		101	70 - 130	2	20
1,2-Dibromoethane	4.00	4.09		ug/L		102	70 - 130	2	20
1,2-Dichlorobenzene	4.00	3.98		ug/L		100	70 - 130	1	20
1,2-Dichloroethane	4.00	4.11		ug/L		103	70 - 130	3	20
1,2-Dichloropropane	4.00	4.22		ug/L		105	70 - 130	2	20
1,3,5-Trimethylbenzene	4.00	4.02		ug/L		101	70 - 130	2	20
1,3-Dichlorobenzene	4.00	3.95		ug/L		99	70 - 130	1	20
1,3-Dichloropropane	4.00	4.07		ug/L		102	70 - 130	1	20
1,4-Dichlorobenzene	4.00	4.00		ug/L		100	70 - 130	1	20
2,2-Dichloropropane	4.00	3.71		ug/L		93	70 - 130	6	20
2-Butanone (MEK)	20.0	19.6		ug/L		98	70 - 130	2	20
2-Chlorotoluene	4.00	4.00		ug/L		100	70 - 130	2	20
2-Hexanone	20.0	19.6		ug/L		98	70 - 130	0	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-269354/4
Matrix: Water
Analysis Batch: 269354

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
4-Chlorotoluene			4.00	3.83		ug/L		96	70 - 130	1	20
4-Isopropyltoluene			4.00	4.08		ug/L		102	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)			20.0	20.4		ug/L		102	70 - 130	0	20
Acetone			20.0	19.6		ug/L		98	70 - 130	3	20
Benzene			4.00	4.13		ug/L		103	70 - 130	3	20
Bromobenzene			4.00	4.05		ug/L		101	70 - 130	3	20
Bromochloromethane			4.00	4.10		ug/L		102	70 - 130	4	20
Bromoform			4.00	4.31		ug/L		108	70 - 130	1	20
Bromomethane			4.00	4.17		ug/L		104	70 - 130	9	20
Carbon disulfide			4.00	3.74		ug/L		93	70 - 130	1	20
Carbon tetrachloride			4.00	4.58		ug/L		114	70 - 130	4	20
Chlorobenzene			4.00	3.98		ug/L		99	70 - 130	1	20
Chlorodibromomethane			4.00	4.13		ug/L		103	70 - 130	4	20
Chloroethane			4.00	4.57		ug/L		114	70 - 130	6	20
Chloroform			4.00	4.07		ug/L		102	70 - 130	4	20
Chloromethane			4.00	4.12		ug/L		103	70 - 130	7	20
cis-1,3-Dichloropropene			4.00	4.14		ug/L		103	70 - 130	2	20
Dibromomethane			4.00	4.12		ug/L		103	70 - 130	0	20
Dichlorobromomethane			4.00	4.06		ug/L		102	70 - 130	2	20
Dichlorodifluoromethane			4.00	4.15		ug/L		104	70 - 130	3	20
Ethylbenzene			4.00	4.03		ug/L		101	70 - 130	2	20
Hexachlorobutadiene			4.00	4.08		ug/L		102	70 - 130	5	20
Isopropylbenzene			4.00	4.05		ug/L		101	70 - 130	2	20
Methyl tert-butyl ether			4.00	3.96		ug/L		99	70 - 130	0	20
Methylene Chloride			4.00	4.21		ug/L		105	70 - 130	1	20
Naphthalene			4.00	3.91		ug/L		98	70 - 130	1	20
n-Butylbenzene			4.00	3.98		ug/L		99	70 - 130	2	20
n-Propylbenzene			4.00	4.02		ug/L		100	70 - 130	1	20
sec-Butylbenzene			4.00	4.08		ug/L		102	70 - 130	4	20
Styrene			4.00	4.04		ug/L		101	70 - 130	4	20
tert-Butylbenzene			4.00	4.08		ug/L		102	70 - 130	4	20
Tetrachloroethene			4.00	4.22		ug/L		105	70 - 130	3	20
Toluene			4.00	4.22		ug/L		106	70 - 130	4	20
trans-1,2-Dichloroethene			4.00	4.12		ug/L		103	70 - 130	1	20
trans-1,3-Dichloropropene			4.00	3.92		ug/L		98	70 - 130	1	20
Trichloroethene			4.00	4.16		ug/L		104	70 - 130	3	20
Trichlorofluoromethane			4.00	4.74		ug/L		119	70 - 130	5	20
Xylenes, Total			8.00	8.02		ug/L		100	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-269354/5
Matrix: Water
Analysis Batch: 269354

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.500	0.573		ug/L		115	50 - 150
cis-1,2-Dichloroethene	0.500	0.571		ug/L		114	50 - 150
Vinyl chloride	0.500	0.618		ug/L		124	50 - 150

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	0.522		ug/L		104	50 - 150
1,1,1-Trichloroethane	0.500	0.528		ug/L		106	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.568		ug/L		114	50 - 150
1,1,2-Trichloroethane	0.500	0.593		ug/L		119	50 - 150
1,1-Dichloroethene	0.500	0.588		ug/L		118	50 - 150
1,1-Dichloropropene	0.500	0.600		ug/L		120	50 - 150
1,2,3-Trichlorobenzene	0.500	0.596		ug/L		119	50 - 150
1,2,3-Trichloropropane	0.500	0.549		ug/L		110	50 - 150
1,2,4-Trichlorobenzene	0.500	0.616		ug/L		123	50 - 150
1,2,4-Trimethylbenzene	0.500	0.568		ug/L		114	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	ND		ug/L		97	50 - 150
1,2-Dibromoethane	0.500	0.580		ug/L		116	50 - 150
1,2-Dichlorobenzene	0.500	0.597		ug/L		119	50 - 150
1,2-Dichloroethane	0.500	0.558		ug/L		112	50 - 150
1,2-Dichloropropane	0.500	0.607		ug/L		121	50 - 150
1,3,5-Trimethylbenzene	0.500	0.563		ug/L		113	50 - 150
1,3-Dichlorobenzene	0.500	0.586		ug/L		117	50 - 150
1,3-Dichloropropane	0.500	0.585		ug/L		117	50 - 150
1,4-Dichlorobenzene	0.500	0.594		ug/L		119	50 - 150
2,2-Dichloropropane	0.500	0.583		ug/L		117	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		125	50 - 150
2-Chlorotoluene	0.500	0.601		ug/L		120	50 - 150
2-Hexanone	2.50	ND		ug/L		116	50 - 150
4-Chlorotoluene	0.500	0.510		ug/L		102	50 - 150
4-Isopropyltoluene	0.500	0.607		ug/L		121	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		119	50 - 150
Acetone	2.50	ND		ug/L		121	50 - 150
Benzene	0.500	0.624		ug/L		125	50 - 150
Bromobenzene	0.500	0.596		ug/L		119	50 - 150
Bromochloromethane	0.500	0.605		ug/L		121	50 - 150
Bromoform	0.500	0.529		ug/L		106	50 - 150
Bromomethane	0.500	0.556		ug/L		111	50 - 150
Carbon disulfide	0.500	0.564		ug/L		113	50 - 150
Carbon tetrachloride	0.500	0.611		ug/L		122	50 - 150
Chlorobenzene	0.500	0.608		ug/L		122	50 - 150
Chlorodibromomethane	0.500	0.580		ug/L		116	50 - 150
Chloroethane	0.500	0.588		ug/L		118	50 - 150
Chloroform	0.500	0.616		ug/L		123	50 - 150
Chloromethane	0.500	0.656		ug/L		131	50 - 150
cis-1,3-Dichloropropene	0.500	0.592		ug/L		118	50 - 150
Dibromomethane	0.500	0.594		ug/L		119	50 - 150
Dichlorobromomethane	0.500	0.591		ug/L		118	50 - 150
Dichlorodifluoromethane	0.500	0.536		ug/L		107	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-269354/5
Matrix: Water
Analysis Batch: 269354

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.500	0.583		ug/L		117	50 - 150
Hexachlorobutadiene	0.500	0.650		ug/L		130	50 - 150
Isopropylbenzene	0.500	0.595		ug/L		119	50 - 150
Methyl tert-butyl ether	0.500	0.571		ug/L		114	50 - 150
Methylene Chloride	0.500	0.570		ug/L		114	50 - 150
Naphthalene	0.500	0.593		ug/L		119	50 - 150
n-Butylbenzene	0.500	0.571		ug/L		114	50 - 150
n-Propylbenzene	0.500	0.583		ug/L		117	50 - 150
sec-Butylbenzene	0.500	0.604		ug/L		121	50 - 150
Styrene	0.500	0.545		ug/L		109	50 - 150
tert-Butylbenzene	0.500	0.601		ug/L		120	50 - 150
Tetrachloroethene	0.500	0.611		ug/L		122	50 - 150
Toluene	0.500	0.584		ug/L		117	50 - 150
trans-1,2-Dichloroethene	0.500	0.599		ug/L		120	50 - 150
trans-1,3-Dichloropropene	0.500	0.523		ug/L		105	50 - 150
Trichloroethene	0.500	0.581		ug/L		116	50 - 150
Trichlorofluoromethane	0.500	0.522		ug/L		104	50 - 150
Xylenes, Total	1.00	ND		ug/L		55	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 480-88814-9 MS
Matrix: Water
Analysis Batch: 269354

Client Sample ID: W-151007-MB-54
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		4.00	4.71		ug/L		118	70 - 130
cis-1,2-Dichloroethene	ND		4.00	4.79		ug/L		120	70 - 130
Vinyl chloride	ND		4.00	5.00		ug/L		125	70 - 130

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		4.00	4.55		ug/L		114	70 - 130
1,1,1-Trichloroethane	ND		4.00	4.73		ug/L		118	70 - 130
1,1,2,2-Tetrachloroethane	ND		4.00	4.67		ug/L		117	70 - 130
1,1,2-Trichloroethane	ND		4.00	4.69		ug/L		117	70 - 130
1,1-Dichloroethene	ND		4.00	4.89		ug/L		122	70 - 130
1,1-Dichloropropene	ND		4.00	4.55		ug/L		114	70 - 130
1,2,3-Trichlorobenzene	ND		4.00	4.38		ug/L		109	70 - 130
1,2,3-Trichloropropane	ND		4.00	4.72		ug/L		118	70 - 130
1,2,4-Trichlorobenzene	ND		4.00	4.32		ug/L		108	70 - 130
1,2,4-Trimethylbenzene	ND		4.00	3.75		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	ND		4.00	4.71		ug/L		118	70 - 130
1,2-Dibromoethane	ND		4.00	4.61		ug/L		115	70 - 130
1,2-Dichlorobenzene	ND		4.00	4.59		ug/L		115	70 - 130
1,2-Dichloroethane	ND		4.00	4.65		ug/L		116	70 - 130
1,2-Dichloropropane	ND		4.00	4.68		ug/L		117	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88814-9 MS
Matrix: Water
Analysis Batch: 269354

Client Sample ID: W-151007-MB-54
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	ND		4.00	3.67		ug/L		92	70 - 130
1,3-Dichlorobenzene	ND		4.00	4.54		ug/L		114	70 - 130
1,3-Dichloropropane	ND		4.00	4.75		ug/L		119	70 - 130
1,4-Dichlorobenzene	ND		4.00	4.59		ug/L		115	70 - 130
2,2-Dichloropropane	ND		4.00	3.67		ug/L		92	70 - 130
2-Butanone (MEK)	ND		20.0	24.0		ug/L		120	70 - 130
2-Chlorotoluene	ND		4.00	4.35		ug/L		109	70 - 130
2-Hexanone	ND		20.0	23.5		ug/L		117	70 - 130
4-Chlorotoluene	ND		4.00	4.48		ug/L		112	70 - 130
4-Isopropyltoluene	ND		4.00	4.13		ug/L		103	70 - 130
4-Methyl-2-pentanone (MIBK)	ND		20.0	23.4		ug/L		117	70 - 130
Acetone	ND		20.0	25.1		ug/L		125	70 - 130
Benzene	ND		4.00	4.78		ug/L		119	70 - 130
Bromobenzene	ND		4.00	4.68		ug/L		117	70 - 130
Bromochloromethane	ND		4.00	4.61		ug/L		115	70 - 130
Bromoform	ND		4.00	4.23		ug/L		106	70 - 130
Bromomethane	ND		4.00	4.64		ug/L		116	70 - 130
Carbon disulfide	ND		4.00	4.18		ug/L		105	70 - 130
Carbon tetrachloride	ND		4.00	4.75		ug/L		119	70 - 130
Chlorobenzene	ND		4.00	4.69		ug/L		117	70 - 130
Chlorodibromomethane	ND		4.00	4.41		ug/L		110	70 - 130
Chloroethane	ND	F1	4.00	5.21		ug/L		130	70 - 130
Chloroform	ND		4.00	4.66		ug/L		117	70 - 130
Chloromethane	ND		4.00	4.78		ug/L		120	70 - 130
cis-1,3-Dichloropropene	ND		4.00	4.71		ug/L		118	70 - 130
Dibromomethane	ND		4.00	4.80		ug/L		120	70 - 130
Dichlorobromomethane	ND		4.00	4.64		ug/L		116	70 - 130
Dichlorodifluoromethane	ND		4.00	4.46		ug/L		112	70 - 130
Ethylbenzene	ND		4.00	4.43		ug/L		111	70 - 130
Hexachlorobutadiene	ND		4.00	4.24		ug/L		106	70 - 130
Isopropylbenzene	ND		4.00	4.43		ug/L		111	70 - 130
Methyl tert-butyl ether	ND		4.00	4.55		ug/L		114	70 - 130
Methylene Chloride	ND	F2	4.00	3.18		ug/L		80	70 - 130
Naphthalene	ND		4.00	4.35		ug/L		109	70 - 130
n-Butylbenzene	ND		4.00	4.25		ug/L		106	70 - 130
n-Propylbenzene	ND		4.00	4.36		ug/L		109	70 - 130
sec-Butylbenzene	ND		4.00	4.29		ug/L		107	70 - 130
Styrene	ND		4.00	3.17		ug/L		79	70 - 130
tert-Butylbenzene	ND		4.00	4.42		ug/L		110	70 - 130
Tetrachloroethene	ND		4.00	4.66		ug/L		117	70 - 130
Toluene	ND		4.00	4.59		ug/L		115	70 - 130
trans-1,2-Dichloroethene	ND		4.00	4.83		ug/L		121	70 - 130
trans-1,3-Dichloropropene	ND		4.00	4.24		ug/L		106	70 - 130
Trichloroethene	ND		4.00	4.69		ug/L		117	70 - 130
Trichlorofluoromethane	ND		4.00	4.81		ug/L		120	70 - 130
Xylenes, Total	ND		8.00	8.35		ug/L		104	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88814-9 MS
Matrix: Water
Analysis Batch: 269354

Client Sample ID: W-151007-MB-54
Prep Type: Total/NA

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: 480-88814-9 MSD
Matrix: Water
Analysis Batch: 269354

Client Sample ID: W-151007-MB-54
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		4.00	4.63		ug/L		116	70 - 130	2	20
cis-1,2-Dichloroethene	ND		4.00	4.67		ug/L		117	70 - 130	2	20
Vinyl chloride	ND		4.00	5.17		ug/L		129	70 - 130	3	20

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		4.00	4.53		ug/L		113	70 - 130	0	20
1,1,1-Trichloroethane	ND		4.00	4.66		ug/L		117	70 - 130	1	20
1,1,2,2-Tetrachloroethane	ND		4.00	4.62		ug/L		116	70 - 130	1	20
1,1,2-Trichloroethane	ND		4.00	4.62		ug/L		116	70 - 130	1	20
1,1-Dichloroethene	ND		4.00	4.65		ug/L		116	70 - 130	5	20
1,1-Dichloropropene	ND		4.00	4.51		ug/L		113	70 - 130	1	20
1,2,3-Trichlorobenzene	ND		4.00	4.23		ug/L		106	70 - 130	3	20
1,2,3-Trichloropropane	ND		4.00	4.59		ug/L		115	70 - 130	3	20
1,2,4-Trichlorobenzene	ND		4.00	4.23		ug/L		106	70 - 130	2	20
1,2,4-Trimethylbenzene	ND		4.00	3.73		ug/L		93	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	ND		4.00	4.61		ug/L		115	70 - 130	2	20
1,2-Dibromoethane	ND		4.00	4.63		ug/L		116	70 - 130	0	20
1,2-Dichlorobenzene	ND		4.00	4.49		ug/L		112	70 - 130	2	20
1,2-Dichloroethane	ND		4.00	4.62		ug/L		115	70 - 130	1	20
1,2-Dichloropropane	ND		4.00	4.82		ug/L		121	70 - 130	3	20
1,3,5-Trimethylbenzene	ND		4.00	3.57		ug/L		89	70 - 130	3	20
1,3-Dichlorobenzene	ND		4.00	4.41		ug/L		110	70 - 130	3	20
1,3-Dichloropropane	ND		4.00	4.69		ug/L		117	70 - 130	1	20
1,4-Dichlorobenzene	ND		4.00	4.53		ug/L		113	70 - 130	1	20
2,2-Dichloropropane	ND		4.00	3.78		ug/L		94	70 - 130	3	20
2-Butanone (MEK)	ND		20.0	23.5		ug/L		118	70 - 130	2	20
2-Chlorotoluene	ND		4.00	4.41		ug/L		110	70 - 130	1	20
2-Hexanone	ND		20.0	23.1		ug/L		115	70 - 130	2	20
4-Chlorotoluene	ND		4.00	4.40		ug/L		110	70 - 130	2	20
4-Isopropyltoluene	ND		4.00	4.00		ug/L		100	70 - 130	3	20
4-Methyl-2-pentanone (MIBK)	ND		20.0	23.6		ug/L		118	70 - 130	1	20
Acetone	ND		20.0	24.0		ug/L		120	70 - 130	4	20
Benzene	ND		4.00	4.56		ug/L		114	70 - 130	5	20
Bromobenzene	ND		4.00	4.53		ug/L		113	70 - 130	3	20
Bromochloromethane	ND		4.00	4.54		ug/L		114	70 - 130	2	20
Bromoform	ND		4.00	4.25		ug/L		106	70 - 130	0	20
Bromomethane	ND		4.00	4.67		ug/L		117	70 - 130	1	20
Carbon disulfide	ND		4.00	4.16		ug/L		104	70 - 130	1	20
Carbon tetrachloride	ND		4.00	4.79		ug/L		120	70 - 130	1	20
Chlorobenzene	ND		4.00	4.51		ug/L		113	70 - 130	4	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88814-9 MSD
Matrix: Water
Analysis Batch: 269354

Client Sample ID: W-151007-MB-54
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane	ND		4.00	4.41		ug/L		110	70 - 130	0	20
Chloroethane	ND	F1	4.00	5.44	F1	ug/L		136	70 - 130	4	20
Chloroform	ND		4.00	4.64		ug/L		116	70 - 130	0	20
Chloromethane	ND		4.00	4.77		ug/L		119	70 - 130	0	20
cis-1,3-Dichloropropene	ND		4.00	4.64		ug/L		116	70 - 130	1	20
Dibromomethane	ND		4.00	4.83		ug/L		121	70 - 130	0	20
Dichlorobromomethane	ND		4.00	4.60		ug/L		115	70 - 130	1	20
Dichlorodifluoromethane	ND		4.00	4.41		ug/L		110	70 - 130	1	20
Ethylbenzene	ND		4.00	4.27		ug/L		107	70 - 130	4	20
Hexachlorobutadiene	ND		4.00	3.96		ug/L		99	70 - 130	7	20
Isopropylbenzene	ND		4.00	4.29		ug/L		107	70 - 130	3	20
Methyl tert-butyl ether	ND		4.00	4.48		ug/L		112	70 - 130	2	20
Methylene Chloride	ND	F2	4.00	4.65	F2	ug/L		116	70 - 130	37	20
Naphthalene	ND		4.00	4.32		ug/L		108	70 - 130	1	20
n-Butylbenzene	ND		4.00	4.08		ug/L		102	70 - 130	4	20
n-Propylbenzene	ND		4.00	4.20		ug/L		105	70 - 130	4	20
sec-Butylbenzene	ND		4.00	4.18		ug/L		105	70 - 130	3	20
Styrene	ND		4.00	3.18		ug/L		80	70 - 130	0	20
tert-Butylbenzene	ND		4.00	4.20		ug/L		105	70 - 130	5	20
Tetrachloroethene	ND		4.00	4.45		ug/L		111	70 - 130	5	20
Toluene	ND		4.00	4.64		ug/L		116	70 - 130	1	20
trans-1,2-Dichloroethene	ND		4.00	4.70		ug/L		118	70 - 130	3	20
trans-1,3-Dichloropropene	ND		4.00	4.32		ug/L		108	70 - 130	2	20
Trichloroethene	ND		4.00	4.62		ug/L		115	70 - 130	1	20
Trichlorofluoromethane	ND		4.00	5.03		ug/L		126	70 - 130	5	20
Xylenes, Total	ND		8.00	8.27		ug/L		103	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 480-269398/6
Matrix: Water
Analysis Batch: 269398

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	ND		0.50	0.074	ug/L			10/17/15 11:40	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/17/15 11:40	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/17/15 11:40	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 11:40	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-269398/6
Matrix: Water
Analysis Batch: 269398

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
2-Butanone (MEK)	ND		10	10	ug/L			10/17/15 11:40	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
2-Hexanone	ND		10	10	ug/L			10/17/15 11:40	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/17/15 11:40	1
Acetone	ND		10	10	ug/L			10/17/15 11:40	1
Acrylonitrile	ND		10	10	ug/L			10/17/15 11:40	1
Allyl chloride	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Benzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Bromobenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Bromoform	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Bromomethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Chloroethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Chloroform	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Chloromethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Dibromomethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Ethyl ether	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Iodomethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/17/15 11:40	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/17/15 11:40	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-269398/6
Matrix: Water
Analysis Batch: 269398

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
o-Xylene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Styrene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
t-Butanol	ND		10	10	ug/L			10/17/15 11:40	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Toluene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/17/15 11:40	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/17/15 11:40	1
Trichloroethene	ND		0.20	0.20	ug/L			10/17/15 11:40	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/17/15 11:40	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/17/15 11:40	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/17/15 11:40	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/17/15 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*		*10/17/15 11:40*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/17/15 11:40*	*1*

Lab Sample ID: LCS 480-269398/3
Matrix: Water
Analysis Batch: 269398

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	4.00	4.00		ug/L		100	70 - 130
cis-1,2-Dichloroethene	4.00	4.16		ug/L		104	70 - 130
Vinyl chloride	4.00	4.00		ug/L		100	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	3.97		ug/L		99	70 - 130
1,1,1-Trichloroethane	4.00	4.27		ug/L		107	70 - 130
1,1,2,2-Tetrachloroethane	4.00	4.16		ug/L		104	70 - 130
1,1,2-Trichloroethane	4.00	4.12		ug/L		103	70 - 130
1,1-Dichloroethene	4.00	4.22		ug/L		105	70 - 130
1,1-Dichloropropene	4.00	4.14		ug/L		104	70 - 130
1,2,3-Trichlorobenzene	4.00	4.03		ug/L		101	70 - 130
1,2,3-Trichloropropane	4.00	4.18		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	4.00	4.11		ug/L		103	70 - 130
1,2,4-Trimethylbenzene	4.00	4.17		ug/L		104	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	4.29		ug/L		107	70 - 130
1,2-Dibromoethane	4.00	4.04		ug/L		101	70 - 130
1,2-Dichlorobenzene	4.00	4.04		ug/L		101	70 - 130
1,2-Dichloroethane	4.00	4.16		ug/L		104	70 - 130
1,2-Dichloropropane	4.00	4.14		ug/L		104	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-269398/3
Matrix: Water
Analysis Batch: 269398

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	4.00	4.16		ug/L		104	70 - 130
1,3-Dichlorobenzene	4.00	4.10		ug/L		103	70 - 130
1,3-Dichloropropane	4.00	4.06		ug/L		102	70 - 130
1,4-Dichlorobenzene	4.00	4.24		ug/L		106	70 - 130
2,2-Dichloropropane	4.00	3.72		ug/L		93	70 - 130
2-Butanone (MEK)	20.0	20.2		ug/L		101	70 - 130
2-Chlorotoluene	4.00	4.14		ug/L		103	70 - 130
2-Hexanone	20.0	19.8		ug/L		99	70 - 130
4-Chlorotoluene	4.00	4.26		ug/L		106	70 - 130
4-Isopropyltoluene	4.00	4.15		ug/L		104	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	21.0		ug/L		105	70 - 130
Acetone	20.0	21.4		ug/L		107	70 - 130
Benzene	4.00	4.14		ug/L		103	70 - 130
Bromobenzene	4.00	4.10		ug/L		102	70 - 130
Bromochloromethane	4.00	4.05		ug/L		101	70 - 130
Bromoform	4.00	4.59		ug/L		115	70 - 130
Bromomethane	4.00	3.90		ug/L		97	70 - 130
Carbon disulfide	4.00	3.95		ug/L		99	70 - 130
Carbon tetrachloride	4.00	4.62		ug/L		115	70 - 130
Chlorobenzene	4.00	4.08		ug/L		102	70 - 130
Chlorodibromomethane	4.00	4.27		ug/L		107	70 - 130
Chloroethane	4.00	4.25		ug/L		106	70 - 130
Chloroform	4.00	4.10		ug/L		102	70 - 130
Chloromethane	4.00	4.05		ug/L		101	70 - 130
cis-1,3-Dichloropropene	4.00	4.27		ug/L		107	70 - 130
Dibromomethane	4.00	4.24		ug/L		106	70 - 130
Dichlorobromomethane	4.00	4.26		ug/L		107	70 - 130
Dichlorodifluoromethane	4.00	3.76		ug/L		94	70 - 130
Ethylbenzene	4.00	4.05		ug/L		101	70 - 130
Hexachlorobutadiene	4.00	4.25		ug/L		106	70 - 130
Isopropylbenzene	4.00	4.09		ug/L		102	70 - 130
Methyl tert-butyl ether	4.00	3.90		ug/L		98	70 - 130
Methylene Chloride	4.00	4.04		ug/L		101	70 - 130
Naphthalene	4.00	3.95		ug/L		99	70 - 130
n-Butylbenzene	4.00	4.23		ug/L		106	70 - 130
n-Propylbenzene	4.00	4.20		ug/L		105	70 - 130
sec-Butylbenzene	4.00	4.21		ug/L		105	70 - 130
Styrene	4.00	3.87		ug/L		97	70 - 130
tert-Butylbenzene	4.00	4.19		ug/L		105	70 - 130
Tetrachloroethene	4.00	4.23		ug/L		106	70 - 130
Toluene	4.00	4.22		ug/L		106	70 - 130
trans-1,2-Dichloroethene	4.00	4.20		ug/L		105	70 - 130
trans-1,3-Dichloropropene	4.00	4.07		ug/L		102	70 - 130
Trichloroethene	4.00	4.18		ug/L		104	70 - 130
Trichlorofluoromethane	4.00	4.18		ug/L		104	70 - 130
Xylenes, Total	8.00	7.99		ug/L		100	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-269398/3
Matrix: Water
Analysis Batch: 269398

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 480-269398/4
Matrix: Water
Analysis Batch: 269398

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			4.00	3.96		ug/L		99	70 - 130	1	20
cis-1,2-Dichloroethene			4.00	4.04		ug/L		101	70 - 130	3	20
Vinyl chloride			4.00	3.91		ug/L		98	70 - 130	2	20

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane			4.00	4.03		ug/L		101	70 - 130	2	20
1,1,1-Trichloroethane			4.00	4.23		ug/L		106	70 - 130	1	20
1,1,2,2-Tetrachloroethane			4.00	4.06		ug/L		101	70 - 130	2	20
1,1,2-Trichloroethane			4.00	4.17		ug/L		104	70 - 130	1	20
1,1-Dichloroethene			4.00	4.14		ug/L		103	70 - 130	2	20
1,1-Dichloropropene			4.00	4.06		ug/L		102	70 - 130	2	20
1,2,3-Trichlorobenzene			4.00	3.90		ug/L		97	70 - 130	3	20
1,2,3-Trichloropropane			4.00	4.11		ug/L		103	70 - 130	2	20
1,2,4-Trichlorobenzene			4.00	3.89		ug/L		97	70 - 130	5	20
1,2,4-Trimethylbenzene			4.00	3.89		ug/L		97	70 - 130	7	20
1,2-Dibromo-3-Chloropropane			4.00	3.96		ug/L		99	70 - 130	8	20
1,2-Dibromoethane			4.00	4.02		ug/L		101	70 - 130	0	20
1,2-Dichlorobenzene			4.00	4.03		ug/L		101	70 - 130	0	20
1,2-Dichloroethane			4.00	4.11		ug/L		103	70 - 130	1	20
1,2-Dichloropropane			4.00	4.02		ug/L		100	70 - 130	3	20
1,3,5-Trimethylbenzene			4.00	3.97		ug/L		99	70 - 130	5	20
1,3-Dichlorobenzene			4.00	3.92		ug/L		98	70 - 130	4	20
1,3-Dichloropropane			4.00	4.03		ug/L		101	70 - 130	1	20
1,4-Dichlorobenzene			4.00	4.03		ug/L		101	70 - 130	5	20
2,2-Dichloropropane			4.00	3.72		ug/L		93	70 - 130	0	20
2-Butanone (MEK)			20.0	20.3		ug/L		101	70 - 130	0	20
2-Chlorotoluene			4.00	3.97		ug/L		99	70 - 130	4	20
2-Hexanone			20.0	19.9		ug/L		100	70 - 130	0	20
4-Chlorotoluene			4.00	4.08		ug/L		102	70 - 130	4	20
4-Isopropyltoluene			4.00	3.99		ug/L		100	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)			20.0	20.6		ug/L		103	70 - 130	2	20
Acetone			20.0	20.2		ug/L		101	70 - 130	6	20
Benzene			4.00	3.98		ug/L		99	70 - 130	4	20
Bromobenzene			4.00	3.93		ug/L		98	70 - 130	4	20
Bromochloromethane			4.00	4.02		ug/L		101	70 - 130	1	20
Bromoform			4.00	4.69		ug/L		117	70 - 130	2	20
Bromomethane			4.00	4.18		ug/L		105	70 - 130	7	20
Carbon disulfide			4.00	3.83		ug/L		96	70 - 130	3	20
Carbon tetrachloride			4.00	4.50		ug/L		113	70 - 130	3	20
Chlorobenzene			4.00	4.05		ug/L		101	70 - 130	1	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-269398/4
Matrix: Water
Analysis Batch: 269398

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
Chlorodibromomethane	4.00	4.22		ug/L		105	70 - 130	1	20
Chloroethane	4.00	4.10		ug/L		102	70 - 130	4	20
Chloroform	4.00	4.04		ug/L		101	70 - 130	1	20
Chloromethane	4.00	3.68		ug/L		92	70 - 130	9	20
cis-1,3-Dichloropropene	4.00	4.08		ug/L		102	70 - 130	5	20
Dibromomethane	4.00	4.11		ug/L		103	70 - 130	3	20
Dichlorobromomethane	4.00	4.10		ug/L		103	70 - 130	4	20
Dichlorodifluoromethane	4.00	3.53		ug/L		88	70 - 130	6	20
Ethylbenzene	4.00	3.92		ug/L		98	70 - 130	3	20
Hexachlorobutadiene	4.00	4.05		ug/L		101	70 - 130	5	20
Isopropylbenzene	4.00	4.02		ug/L		100	70 - 130	2	20
Methyl tert-butyl ether	4.00	3.94		ug/L		99	70 - 130	1	20
Methylene Chloride	4.00	4.14		ug/L		103	70 - 130	2	20
Naphthalene	4.00	3.95		ug/L		99	70 - 130	0	20
n-Butylbenzene	4.00	3.95		ug/L		99	70 - 130	7	20
n-Propylbenzene	4.00	3.93		ug/L		98	70 - 130	7	20
sec-Butylbenzene	4.00	3.92		ug/L		98	70 - 130	7	20
Styrene	4.00	3.78		ug/L		94	70 - 130	3	20
tert-Butylbenzene	4.00	3.98		ug/L		100	70 - 130	5	20
Tetrachloroethene	4.00	4.07		ug/L		102	70 - 130	4	20
Toluene	4.00	4.10		ug/L		103	70 - 130	3	20
trans-1,2-Dichloroethene	4.00	4.07		ug/L		102	70 - 130	3	20
trans-1,3-Dichloropropene	4.00	3.91		ug/L		98	70 - 130	4	20
Trichloroethene	4.00	4.11		ug/L		103	70 - 130	2	20
Trichlorofluoromethane	4.00	4.01		ug/L		100	70 - 130	4	20
Xylenes, Total	8.00	7.86		ug/L		98	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LLCS 480-269398/5
Matrix: Water
Analysis Batch: 269398

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.500	0.547		ug/L		109	50 - 150
cis-1,2-Dichloroethene	0.500	0.525		ug/L		105	50 - 150
Vinyl chloride	0.500	0.578		ug/L		116	50 - 150

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	0.501		ug/L		100	50 - 150
1,1,1-Trichloroethane	0.500	0.516		ug/L		103	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.530		ug/L		106	50 - 150
1,1,2-Trichloroethane	0.500	0.521		ug/L		104	50 - 150
1,1-Dichloroethene	0.500	0.565		ug/L		113	50 - 150
1,1-Dichloropropene	0.500	0.577		ug/L		115	50 - 150
1,2,3-Trichlorobenzene	0.500	0.546		ug/L		109	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-269398/5
Matrix: Water
Analysis Batch: 269398

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	0.500	ND		ug/L		98	50 - 150
1,2,4-Trichlorobenzene	0.500	0.526		ug/L		105	50 - 150
1,2,4-Trimethylbenzene	0.500	0.524		ug/L		105	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	ND		ug/L		96	50 - 150
1,2-Dibromoethane	0.500	0.516		ug/L		103	50 - 150
1,2-Dichlorobenzene	0.500	0.525		ug/L		105	50 - 150
1,2-Dichloroethane	0.500	0.544		ug/L		109	50 - 150
1,2-Dichloropropane	0.500	0.574		ug/L		115	50 - 150
1,3,5-Trimethylbenzene	0.500	0.520		ug/L		104	50 - 150
1,3-Dichlorobenzene	0.500	0.537		ug/L		107	50 - 150
1,3-Dichloropropane	0.500	0.519		ug/L		104	50 - 150
1,4-Dichlorobenzene	0.500	0.560		ug/L		112	50 - 150
2,2-Dichloropropane	0.500	0.553		ug/L		111	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		113	50 - 150
2-Chlorotoluene	0.500	0.540		ug/L		108	50 - 150
2-Hexanone	2.50	ND		ug/L		105	50 - 150
4-Chlorotoluene	0.500	0.555		ug/L		111	50 - 150
4-Isopropyltoluene	0.500	0.537		ug/L		107	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		110	50 - 150
Acetone	2.50	ND		ug/L		108	50 - 150
Benzene	0.500	0.551		ug/L		110	50 - 150
Bromobenzene	0.500	0.533		ug/L		107	50 - 150
Bromochloromethane	0.500	ND		ug/L		99	50 - 150
Bromoform	0.500	0.591		ug/L		118	50 - 150
Bromomethane	0.500	0.549		ug/L		110	50 - 150
Carbon disulfide	0.500	0.556		ug/L		111	50 - 150
Carbon tetrachloride	0.500	0.561		ug/L		112	50 - 150
Chlorobenzene	0.500	0.542		ug/L		108	50 - 150
Chlorodibromomethane	0.500	0.545		ug/L		109	50 - 150
Chloroethane	0.500	0.560		ug/L		112	50 - 150
Chloroform	0.500	0.555		ug/L		111	50 - 150
Chloromethane	0.500	0.601		ug/L		120	50 - 150
cis-1,3-Dichloropropene	0.500	0.510		ug/L		102	50 - 150
Dibromomethane	0.500	0.528		ug/L		106	50 - 150
Dichlorobromomethane	0.500	0.539		ug/L		108	50 - 150
Dichlorodifluoromethane	0.500	ND		ug/L		84	50 - 150
Ethylbenzene	0.500	0.535		ug/L		107	50 - 150
Hexachlorobutadiene	0.500	0.560		ug/L		112	50 - 150
Isopropylbenzene	0.500	0.544		ug/L		109	50 - 150
Methyl tert-butyl ether	0.500	0.509		ug/L		102	50 - 150
Methylene Chloride	0.500	0.512		ug/L		102	50 - 150
Naphthalene	0.500	0.550		ug/L		110	50 - 150
n-Butylbenzene	0.500	0.546		ug/L		109	50 - 150
n-Propylbenzene	0.500	0.532		ug/L		106	50 - 150
sec-Butylbenzene	0.500	0.537		ug/L		107	50 - 150
Styrene	0.500	0.517		ug/L		103	50 - 150
tert-Butylbenzene	0.500	0.541		ug/L		108	50 - 150
Tetrachloroethene	0.500	0.557		ug/L		111	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-269398/5
Matrix: Water
Analysis Batch: 269398

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.500	0.530		ug/L		106	50 - 150
trans-1,2-Dichloroethene	0.500	0.554		ug/L		111	50 - 150
trans-1,3-Dichloropropene	0.500	ND		ug/L		100	50 - 150
Trichloroethene	0.500	0.534		ug/L		107	50 - 150
Trichlorofluoromethane	0.500	ND		ug/L		98	50 - 150
Xylenes, Total	1.00	ND		ug/L		51	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-269464/6
Matrix: Water
Analysis Batch: 269464

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	ND		0.50	0.074	ug/L			10/18/15 00:53	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/18/15 00:53	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/18/15 00:53	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
2-Butanone (MEK)	ND		10	10	ug/L			10/18/15 00:53	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
2-Hexanone	ND		10	10	ug/L			10/18/15 00:53	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/18/15 00:53	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-269464/6
Matrix: Water
Analysis Batch: 269464

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	10	ug/L			10/18/15 00:53	1
Acrylonitrile	ND		10	10	ug/L			10/18/15 00:53	1
Allyl chloride	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Benzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Bromobenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Bromoform	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Bromomethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Chloroethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Chloroform	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Chloromethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Dibromomethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Ethyl ether	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Iodomethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/18/15 00:53	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/18/15 00:53	1
Naphthalene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
o-Xylene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Styrene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
t-Butanol	ND		10	10	ug/L			10/18/15 00:53	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Toluene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/18/15 00:53	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/18/15 00:53	1
Trichloroethene	ND		0.20	0.20	ug/L			10/18/15 00:53	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/18/15 00:53	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/18/15 00:53	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/18/15 00:53	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/18/15 00:53	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-269464/6
Matrix: Water
Analysis Batch: 269464

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4	103		80 - 120		10/18/15 00:53	1
4-Bromofluorobenzene (Surr)	97		80 - 120		10/18/15 00:53	1

Lab Sample ID: LCS 480-269464/25
Matrix: Water
Analysis Batch: 269464

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	4.00	3.57		ug/L		89	70 - 130
cis-1,2-Dichloroethene	4.00	3.72		ug/L		93	70 - 130
Vinyl chloride	4.00	4.02		ug/L		100	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	3.96		ug/L		99	70 - 130
1,1,1-Trichloroethane	4.00	3.45		ug/L		86	70 - 130
1,1,2,2-Tetrachloroethane	4.00	4.31		ug/L		108	70 - 130
1,1,2-Trichloroethane	4.00	4.08		ug/L		102	70 - 130
1,1-Dichloroethene	4.00	3.14		ug/L		78	70 - 130
1,1-Dichloropropene	4.00	3.20		ug/L		80	70 - 130
1,2,3-Trichlorobenzene	4.00	3.89		ug/L		97	70 - 130
1,2,3-Trichloropropane	4.00	4.36		ug/L		109	70 - 130
1,2,4-Trichlorobenzene	4.00	3.86		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	4.00	3.82		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	4.44		ug/L		111	70 - 130
1,2-Dibromoethane	4.00	4.27		ug/L		107	70 - 130
1,2-Dichlorobenzene	4.00	4.04		ug/L		101	70 - 130
1,2-Dichloroethane	4.00	4.09		ug/L		102	70 - 130
1,2-Dichloropropane	4.00	3.89		ug/L		97	70 - 130
1,3,5-Trimethylbenzene	4.00	3.76		ug/L		94	70 - 130
1,3-Dichlorobenzene	4.00	3.86		ug/L		96	70 - 130
1,3-Dichloropropane	4.00	4.26		ug/L		107	70 - 130
1,4-Dichlorobenzene	4.00	4.01		ug/L		100	70 - 130
2,2-Dichloropropane	4.00	3.14		ug/L		79	70 - 130
2-Butanone (MEK)	20.0	20.9		ug/L		104	70 - 130
2-Chlorotoluene	4.00	3.77		ug/L		94	70 - 130
2-Hexanone	20.0	21.4		ug/L		107	70 - 130
4-Chlorotoluene	4.00	3.67		ug/L		92	70 - 130
4-Isopropyltoluene	4.00	3.67		ug/L		92	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	21.7		ug/L		108	70 - 130
Acetone	20.0	21.2		ug/L		106	70 - 130
Benzene	4.00	3.70		ug/L		93	70 - 130
Bromobenzene	4.00	4.01		ug/L		100	70 - 130
Bromochloromethane	4.00	4.01		ug/L		100	70 - 130
Bromoform	4.00	4.92		ug/L		123	70 - 130
Bromomethane	4.00	4.89		ug/L		122	70 - 130
Carbon disulfide	4.00	3.13		ug/L		78	70 - 130
Carbon tetrachloride	4.00	3.55		ug/L		89	70 - 130
Chlorobenzene	4.00	3.91		ug/L		98	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-269464/25
Matrix: Water
Analysis Batch: 269464

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	4.00	4.45		ug/L		111	70 - 130
Chloroethane	4.00	4.54		ug/L		113	70 - 130
Chloroform	4.00	3.76		ug/L		94	70 - 130
Chloromethane	4.00	4.41		ug/L		110	70 - 130
cis-1,3-Dichloropropene	4.00	4.13		ug/L		103	70 - 130
Dibromomethane	4.00	4.21		ug/L		105	70 - 130
Dichlorobromomethane	4.00	4.12		ug/L		103	70 - 130
Dichlorodifluoromethane	4.00	3.36		ug/L		84	70 - 130
Ethylbenzene	4.00	3.68		ug/L		92	70 - 130
Hexachlorobutadiene	4.00	3.51		ug/L		88	70 - 130
Isopropylbenzene	4.00	3.68		ug/L		92	70 - 130
Methyl tert-butyl ether	4.00	4.02		ug/L		100	70 - 130
Methylene Chloride	4.00	3.91		ug/L		98	70 - 130
Naphthalene	4.00	4.01		ug/L		100	70 - 130
n-Butylbenzene	4.00	3.61		ug/L		90	70 - 130
n-Propylbenzene	4.00	3.61		ug/L		90	70 - 130
sec-Butylbenzene	4.00	3.59		ug/L		90	70 - 130
Styrene	4.00	3.88		ug/L		97	70 - 130
tert-Butylbenzene	4.00	3.63		ug/L		91	70 - 130
Tetrachloroethene	4.00	3.40		ug/L		85	70 - 130
Toluene	4.00	3.71		ug/L		93	70 - 130
trans-1,2-Dichloroethene	4.00	3.59		ug/L		90	70 - 130
trans-1,3-Dichloropropene	4.00	3.93		ug/L		98	70 - 130
Trichloroethene	4.00	3.54		ug/L		88	70 - 130
Trichlorofluoromethane	4.00	3.88		ug/L		97	70 - 130
Xylenes, Total	8.00	7.49		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 480-269464/26
Matrix: Water
Analysis Batch: 269464

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	4.00	3.81		ug/L		95	70 - 130	6	20
cis-1,2-Dichloroethene	4.00	3.93		ug/L		98	70 - 130	5	20
Vinyl chloride	4.00	4.22		ug/L		105	70 - 130	5	20

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.00	4.17		ug/L		104	70 - 130	5	20
1,1,1-Trichloroethane	4.00	3.59		ug/L		90	70 - 130	4	20
1,1,2,2-Tetrachloroethane	4.00	4.46		ug/L		111	70 - 130	3	20
1,1,2-Trichloroethane	4.00	4.16		ug/L		104	70 - 130	2	20
1,1-Dichloroethene	4.00	3.40		ug/L		85	70 - 130	8	20
1,1-Dichloropropene	4.00	3.44		ug/L		86	70 - 130	7	20
1,2,3-Trichlorobenzene	4.00	4.10		ug/L		103	70 - 130	5	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-269464/26
Matrix: Water
Analysis Batch: 269464

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
1,2,3-Trichloropropane	4.00	4.38		ug/L		109	70 - 130	0	20
1,2,4-Trichlorobenzene	4.00	4.12		ug/L		103	70 - 130	7	20
1,2,4-Trimethylbenzene	4.00	4.01		ug/L		100	70 - 130	5	20
1,2-Dibromo-3-Chloropropane	4.00	4.70		ug/L		117	70 - 130	6	20
1,2-Dibromoethane	4.00	4.43		ug/L		111	70 - 130	4	20
1,2-Dichlorobenzene	4.00	4.16		ug/L		104	70 - 130	3	20
1,2-Dichloroethane	4.00	4.24		ug/L		106	70 - 130	4	20
1,2-Dichloropropane	4.00	4.01		ug/L		100	70 - 130	3	20
1,3,5-Trimethylbenzene	4.00	3.85		ug/L		96	70 - 130	2	20
1,3-Dichlorobenzene	4.00	4.06		ug/L		101	70 - 130	5	20
1,3-Dichloropropane	4.00	4.28		ug/L		107	70 - 130	0	20
1,4-Dichlorobenzene	4.00	4.19		ug/L		105	70 - 130	4	20
2,2-Dichloropropane	4.00	3.35		ug/L		84	70 - 130	6	20
2-Butanone (MEK)	20.0	21.4		ug/L		107	70 - 130	2	20
2-Chlorotoluene	4.00	3.95		ug/L		99	70 - 130	5	20
2-Hexanone	20.0	21.6		ug/L		108	70 - 130	1	20
4-Chlorotoluene	4.00	3.88		ug/L		97	70 - 130	6	20
4-Isopropyltoluene	4.00	3.88		ug/L		97	70 - 130	5	20
4-Methyl-2-pentanone (MIBK)	20.0	21.9		ug/L		109	70 - 130	1	20
Acetone	20.0	20.5		ug/L		102	70 - 130	3	20
Benzene	4.00	3.86		ug/L		96	70 - 130	4	20
Bromobenzene	4.00	4.18		ug/L		105	70 - 130	4	20
Bromochloromethane	4.00	4.20		ug/L		105	70 - 130	4	20
Bromoform	4.00	4.91		ug/L		123	70 - 130	0	20
Bromomethane	4.00	4.77		ug/L		119	70 - 130	2	20
Carbon disulfide	4.00	3.26		ug/L		82	70 - 130	4	20
Carbon tetrachloride	4.00	3.66		ug/L		91	70 - 130	3	20
Chlorobenzene	4.00	3.91		ug/L		98	70 - 130	0	20
Chlorodibromomethane	4.00	4.63		ug/L		116	70 - 130	4	20
Chloroethane	4.00	4.72		ug/L		118	70 - 130	4	20
Chloroform	4.00	3.99		ug/L		100	70 - 130	6	20
Chloromethane	4.00	4.36		ug/L		109	70 - 130	1	20
cis-1,3-Dichloropropene	4.00	4.16		ug/L		104	70 - 130	1	20
Dibromomethane	4.00	4.29		ug/L		107	70 - 130	2	20
Dichlorobromomethane	4.00	4.29		ug/L		107	70 - 130	4	20
Dichlorodifluoromethane	4.00	3.59		ug/L		90	70 - 130	7	20
Ethylbenzene	4.00	3.80		ug/L		95	70 - 130	3	20
Hexachlorobutadiene	4.00	3.74		ug/L		93	70 - 130	6	20
Isopropylbenzene	4.00	3.79		ug/L		95	70 - 130	3	20
Methyl tert-butyl ether	4.00	4.19		ug/L		105	70 - 130	4	20
Methylene Chloride	4.00	3.52		ug/L		88	70 - 130	10	20
Naphthalene	4.00	4.19		ug/L		105	70 - 130	5	20
n-Butylbenzene	4.00	3.78		ug/L		95	70 - 130	5	20
n-Propylbenzene	4.00	3.78		ug/L		95	70 - 130	5	20
sec-Butylbenzene	4.00	3.76		ug/L		94	70 - 130	4	20
Styrene	4.00	3.91		ug/L		98	70 - 130	1	20
tert-Butylbenzene	4.00	3.69		ug/L		92	70 - 130	2	20
Tetrachloroethene	4.00	3.60		ug/L		90	70 - 130	6	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-269464/26
Matrix: Water
Analysis Batch: 269464

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	4.00	3.89		ug/L		97	70 - 130	5	20
trans-1,2-Dichloroethene	4.00	3.76		ug/L		94	70 - 130	5	20
trans-1,3-Dichloropropene	4.00	4.02		ug/L		101	70 - 130	2	20
Trichloroethene	4.00	3.61		ug/L		90	70 - 130	2	20
Trichlorofluoromethane	4.00	4.27		ug/L		107	70 - 130	9	20
Xylenes, Total	8.00	7.74		ug/L		97	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LLCS 480-269464/5
Matrix: Water
Analysis Batch: 269464

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.500	0.447	J	ug/L		89	50 - 150
cis-1,2-Dichloroethene	0.500	0.446	J	ug/L		89	50 - 150
Vinyl chloride	0.500	0.477		ug/L		95	50 - 150

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	ND		ug/L		87	50 - 150
1,1,1-Trichloroethane	0.500	ND		ug/L		79	50 - 150
1,1,2,2-Tetrachloroethane	0.500	ND		ug/L		95	50 - 150
1,1,2-Trichloroethane	0.500	ND		ug/L		93	50 - 150
1,1-Dichloroethene	0.500	ND		ug/L		73	50 - 150
1,1-Dichloropropene	0.500	ND		ug/L		82	50 - 150
1,2,3-Trichlorobenzene	0.500	ND		ug/L		99	50 - 150
1,2,3-Trichloropropane	0.500	ND		ug/L		98	50 - 150
1,2,4-Trichlorobenzene	0.500	ND		ug/L		99	50 - 150
1,2,4-Trimethylbenzene	0.500	ND		ug/L		87	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	ND		ug/L		72	50 - 150
1,2-Dibromoethane	0.500	ND		ug/L		92	50 - 150
1,2-Dichlorobenzene	0.500	ND		ug/L		94	50 - 150
1,2-Dichloroethane	0.500	ND		ug/L		96	50 - 150
1,2-Dichloropropane	0.500	ND		ug/L		94	50 - 150
1,3,5-Trimethylbenzene	0.500	ND		ug/L		87	50 - 150
1,3-Dichlorobenzene	0.500	ND		ug/L		95	50 - 150
1,3-Dichloropropane	0.500	ND		ug/L		93	50 - 150
1,4-Dichlorobenzene	0.500	ND		ug/L		97	50 - 150
2,2-Dichloropropane	0.500	ND		ug/L		80	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		104	50 - 150
2-Chlorotoluene	0.500	ND		ug/L		93	50 - 150
2-Hexanone	2.50	ND		ug/L		93	50 - 150
4-Chlorotoluene	0.500	ND		ug/L		88	50 - 150
4-Isopropyltoluene	0.500	ND		ug/L		85	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		102	50 - 150
Acetone	2.50	ND		ug/L		127	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-269464/5
Matrix: Water
Analysis Batch: 269464

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.500	ND		ug/L		96	50 - 150
Bromobenzene	0.500	ND		ug/L		89	50 - 150
Bromochloromethane	0.500	ND		ug/L		92	50 - 150
Bromoform	0.500	ND		ug/L		92	50 - 150
Bromomethane	0.500	0.828	*	ug/L		166	50 - 150
Carbon disulfide	0.500	ND		ug/L		81	50 - 150
Carbon tetrachloride	0.500	ND		ug/L		88	50 - 150
Chlorobenzene	0.500	ND		ug/L		90	50 - 150
Chlorodibromomethane	0.500	ND		ug/L		86	50 - 150
Chloroethane	0.500	ND		ug/L		95	50 - 150
Chloroform	0.500	ND		ug/L		95	50 - 150
Chloromethane	0.500	0.560		ug/L		112	50 - 150
cis-1,3-Dichloropropene	0.500	ND		ug/L		91	50 - 150
Dibromomethane	0.500	ND		ug/L		91	50 - 150
Dichlorobromomethane	0.500	ND		ug/L		94	50 - 150
Dichlorodifluoromethane	0.500	ND		ug/L		62	50 - 150
Ethylbenzene	0.500	ND		ug/L		86	50 - 150
Hexachlorobutadiene	0.500	ND		ug/L		86	50 - 150
Isopropylbenzene	0.500	ND		ug/L		86	50 - 150
Methyl tert-butyl ether	0.500	ND		ug/L		88	50 - 150
Methylene Chloride	0.500	ND		ug/L		91	50 - 150
Naphthalene	0.500	ND		ug/L		99	50 - 150
n-Butylbenzene	0.500	ND		ug/L		84	50 - 150
n-Propylbenzene	0.500	ND		ug/L		83	50 - 150
sec-Butylbenzene	0.500	ND		ug/L		82	50 - 150
Styrene	0.500	ND		ug/L		81	50 - 150
tert-Butylbenzene	0.500	ND		ug/L		88	50 - 150
Tetrachloroethene	0.500	ND		ug/L		80	50 - 150
Toluene	0.500	ND		ug/L		90	50 - 150
trans-1,2-Dichloroethene	0.500	ND		ug/L		87	50 - 150
trans-1,3-Dichloropropene	0.500	ND		ug/L		79	50 - 150
Trichloroethene	0.500	0.462		ug/L		92	50 - 150
Trichlorofluoromethane	0.500	ND		ug/L		61	50 - 150
Xylenes, Total	1.00	ND	*	ug/L		0	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 480-269504/6
Matrix: Water
Analysis Batch: 269504

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	ND		0.50	0.074	ug/L			10/19/15 01:56	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 01:56	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 01:56	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 01:56	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
2-Hexanone	ND		10	10	ug/L			10/19/15 01:56	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 01:56	1
Acetone	ND		10	10	ug/L			10/19/15 01:56	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 01:56	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/19/15 01:56	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-269504/6
Matrix: Water
Analysis Batch: 269504

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 01:56	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
t-Butanol	ND		10	10	ug/L			10/19/15 01:56	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 01:56	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 01:56	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 01:56	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 01:56	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 01:56	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 01:56	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/19/15 01:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichlorobenzene-d4	*106*		*80 - 120*		*10/19/15 01:56*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*10/19/15 01:56*	*1*

Lab Sample ID: LCS 480-269504/3
Matrix: Water
Analysis Batch: 269504

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	4.00	4.02		ug/L		101	70 - 130
cis-1,2-Dichloroethene	4.00	4.17		ug/L		104	70 - 130
Vinyl chloride	4.00	4.49		ug/L		112	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	4.19		ug/L		105	70 - 130
1,1,1-Trichloroethane	4.00	4.30		ug/L		108	70 - 130
1,1,2,2-Tetrachloroethane	4.00	4.39		ug/L		110	70 - 130
1,1,2-Trichloroethane	4.00	4.17		ug/L		104	70 - 130
1,1-Dichloroethene	4.00	4.08		ug/L		102	70 - 130
1,1-Dichloropropene	4.00	4.20		ug/L		105	70 - 130
1,2,3-Trichlorobenzene	4.00	3.93		ug/L		98	70 - 130
1,2,3-Trichloropropane	4.00	4.31		ug/L		108	70 - 130
1,2,4-Trichlorobenzene	4.00	4.00		ug/L		100	70 - 130
1,2,4-Trimethylbenzene	4.00	4.18		ug/L		105	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	4.62		ug/L		115	70 - 130
1,2-Dibromoethane	4.00	4.17		ug/L		104	70 - 130
1,2-Dichlorobenzene	4.00	4.19		ug/L		105	70 - 130
1,2-Dichloroethane	4.00	4.33		ug/L		108	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-269504/3
Matrix: Water
Analysis Batch: 269504

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	4.00	4.17		ug/L		104	70 - 130
1,3,5-Trimethylbenzene	4.00	4.14		ug/L		104	70 - 130
1,3-Dichlorobenzene	4.00	4.11		ug/L		103	70 - 130
1,3-Dichloropropane	4.00	4.25		ug/L		106	70 - 130
1,4-Dichlorobenzene	4.00	4.26		ug/L		107	70 - 130
2,2-Dichloropropane	4.00	3.64		ug/L		91	70 - 130
2-Butanone (MEK)	20.0	22.9		ug/L		115	70 - 130
2-Chlorotoluene	4.00	4.12		ug/L		103	70 - 130
2-Hexanone	20.0	21.7		ug/L		108	70 - 130
4-Chlorotoluene	4.00	4.34		ug/L		108	70 - 130
4-Isopropyltoluene	4.00	4.20		ug/L		105	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	22.0		ug/L		110	70 - 130
Acetone	20.0	23.8		ug/L		119	70 - 130
Benzene	4.00	4.18		ug/L		104	70 - 130
Bromobenzene	4.00	4.17		ug/L		104	70 - 130
Bromochloromethane	4.00	4.15		ug/L		104	70 - 130
Bromoform	4.00	4.91		ug/L		123	70 - 130
Bromomethane	4.00	4.16		ug/L		104	70 - 130
Carbon disulfide	4.00	3.80		ug/L		95	70 - 130
Carbon tetrachloride	4.00	4.74		ug/L		118	70 - 130
Chlorobenzene	4.00	4.17		ug/L		104	70 - 130
Chlorodibromomethane	4.00	4.60		ug/L		115	70 - 130
Chloroethane	4.00	4.64		ug/L		116	70 - 130
Chloroform	4.00	4.19		ug/L		105	70 - 130
Chloromethane	4.00	4.52		ug/L		113	70 - 130
cis-1,3-Dichloropropene	4.00	4.22		ug/L		105	70 - 130
Dibromomethane	4.00	4.29		ug/L		107	70 - 130
Dichlorobromomethane	4.00	4.27		ug/L		107	70 - 130
Dichlorodifluoromethane	4.00	4.47		ug/L		112	70 - 130
Ethylbenzene	4.00	4.12		ug/L		103	70 - 130
Hexachlorobutadiene	4.00	4.09		ug/L		102	70 - 130
Isopropylbenzene	4.00	4.14		ug/L		104	70 - 130
Methyl tert-butyl ether	4.00	4.13		ug/L		103	70 - 130
Methylene Chloride	4.00	4.01		ug/L		100	70 - 130
Naphthalene	4.00	4.05		ug/L		101	70 - 130
n-Butylbenzene	4.00	4.16		ug/L		104	70 - 130
n-Propylbenzene	4.00	4.20		ug/L		105	70 - 130
sec-Butylbenzene	4.00	4.23		ug/L		106	70 - 130
Styrene	4.00	4.00		ug/L		100	70 - 130
tert-Butylbenzene	4.00	4.11		ug/L		103	70 - 130
Tetrachloroethene	4.00	4.19		ug/L		105	70 - 130
Toluene	4.00	4.18		ug/L		104	70 - 130
trans-1,2-Dichloroethene	4.00	4.19		ug/L		105	70 - 130
trans-1,3-Dichloropropene	4.00	3.93		ug/L		98	70 - 130
Trichloroethene	4.00	4.18		ug/L		105	70 - 130
Trichlorofluoromethane	4.00	4.60		ug/L		115	70 - 130
Xylenes, Total	8.00	8.19		ug/L		102	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-269504/3
Matrix: Water
Analysis Batch: 269504

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 480-269504/4
Matrix: Water
Analysis Batch: 269504

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	4.00	4.15		ug/L		104	70 - 130	3	20
cis-1,2-Dichloroethene	4.00	4.17		ug/L		104	70 - 130	0	20
Vinyl chloride	4.00	4.55		ug/L		114	70 - 130	1	20

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.00	4.20		ug/L		105	70 - 130	0	20
1,1,1-Trichloroethane	4.00	4.43		ug/L		111	70 - 130	3	20
1,1,2,2-Tetrachloroethane	4.00	4.27		ug/L		107	70 - 130	3	20
1,1,2-Trichloroethane	4.00	4.14		ug/L		103	70 - 130	1	20
1,1-Dichloroethene	4.00	4.13		ug/L		103	70 - 130	1	20
1,1-Dichloropropene	4.00	4.22		ug/L		106	70 - 130	1	20
1,2,3-Trichlorobenzene	4.00	3.98		ug/L		100	70 - 130	1	20
1,2,3-Trichloropropane	4.00	4.35		ug/L		109	70 - 130	1	20
1,2,4-Trichlorobenzene	4.00	4.04		ug/L		101	70 - 130	1	20
1,2,4-Trimethylbenzene	4.00	4.18		ug/L		104	70 - 130	0	20
1,2-Dibromo-3-Chloropropane	4.00	4.35		ug/L		109	70 - 130	6	20
1,2-Dibromoethane	4.00	4.17		ug/L		104	70 - 130	0	20
1,2-Dichlorobenzene	4.00	4.28		ug/L		107	70 - 130	2	20
1,2-Dichloroethane	4.00	4.28		ug/L		107	70 - 130	1	20
1,2-Dichloropropane	4.00	4.26		ug/L		107	70 - 130	2	20
1,3,5-Trimethylbenzene	4.00	4.23		ug/L		106	70 - 130	2	20
1,3-Dichlorobenzene	4.00	4.23		ug/L		106	70 - 130	3	20
1,3-Dichloropropane	4.00	4.19		ug/L		105	70 - 130	1	20
1,4-Dichlorobenzene	4.00	4.30		ug/L		107	70 - 130	1	20
2,2-Dichloropropane	4.00	3.98		ug/L		100	70 - 130	9	20
2-Butanone (MEK)	20.0	21.2		ug/L		106	70 - 130	8	20
2-Chlorotoluene	4.00	4.26		ug/L		106	70 - 130	3	20
2-Hexanone	20.0	21.3		ug/L		107	70 - 130	2	20
4-Chlorotoluene	4.00	4.34		ug/L		109	70 - 130	0	20
4-Isopropyltoluene	4.00	4.24		ug/L		106	70 - 130	1	20
4-Methyl-2-pentanone (MIBK)	20.0	21.3		ug/L		107	70 - 130	3	20
Acetone	20.0	23.4		ug/L		117	70 - 130	1	20
Benzene	4.00	4.17		ug/L		104	70 - 130	0	20
Bromobenzene	4.00	4.24		ug/L		106	70 - 130	2	20
Bromochloromethane	4.00	4.04		ug/L		101	70 - 130	3	20
Bromoform	4.00	4.74		ug/L		118	70 - 130	3	20
Bromomethane	4.00	4.42		ug/L		110	70 - 130	6	20
Carbon disulfide	4.00	3.83		ug/L		96	70 - 130	1	20
Carbon tetrachloride	4.00	4.81		ug/L		120	70 - 130	1	20
Chlorobenzene	4.00	4.19		ug/L		105	70 - 130	1	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-269504/4
Matrix: Water
Analysis Batch: 269504

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
Chlorodibromomethane			4.00	4.53		ug/L		113	70 - 130	1	20
Chloroethane			4.00	4.63		ug/L		116	70 - 130	0	20
Chloroform			4.00	4.12		ug/L		103	70 - 130	2	20
Chloromethane			4.00	4.29		ug/L		107	70 - 130	5	20
cis-1,3-Dichloropropene			4.00	4.24		ug/L		106	70 - 130	1	20
Dibromomethane			4.00	4.36		ug/L		109	70 - 130	2	20
Dichlorobromomethane			4.00	4.40		ug/L		110	70 - 130	3	20
Dichlorodifluoromethane			4.00	4.63		ug/L		116	70 - 130	4	20
Ethylbenzene			4.00	4.14		ug/L		103	70 - 130	0	20
Hexachlorobutadiene			4.00	4.26		ug/L		106	70 - 130	4	20
Isopropylbenzene			4.00	4.22		ug/L		105	70 - 130	2	20
Methyl tert-butyl ether			4.00	4.01		ug/L		100	70 - 130	3	20
Methylene Chloride			4.00	4.08		ug/L		102	70 - 130	2	20
Naphthalene			4.00	3.96		ug/L		99	70 - 130	2	20
n-Butylbenzene			4.00	4.27		ug/L		107	70 - 130	3	20
n-Propylbenzene			4.00	4.33		ug/L		108	70 - 130	3	20
sec-Butylbenzene			4.00	4.28		ug/L		107	70 - 130	1	20
Styrene			4.00	4.01		ug/L		100	70 - 130	0	20
tert-Butylbenzene			4.00	4.21		ug/L		105	70 - 130	2	20
Tetrachloroethene			4.00	4.26		ug/L		106	70 - 130	2	20
Toluene			4.00	4.28		ug/L		107	70 - 130	2	20
trans-1,2-Dichloroethene			4.00	4.23		ug/L		106	70 - 130	1	20
trans-1,3-Dichloropropene			4.00	4.07		ug/L		102	70 - 130	4	20
Trichloroethene			4.00	4.36		ug/L		109	70 - 130	4	20
Trichlorofluoromethane			4.00	4.78		ug/L		119	70 - 130	4	20
Xylenes, Total			8.00	8.29		ug/L		104	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: LLCS 480-269504/5
Matrix: Water
Analysis Batch: 269504

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

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethane			0.500	0.579		ug/L		116	50 - 150		
cis-1,2-Dichloroethene			0.500	0.602		ug/L		120	50 - 150		
Vinyl chloride			0.500	0.606		ug/L		121	50 - 150		
Analyte			**Spike Added**	**LLCS Result**	**LLCS Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**		
1,1,1,2-Tetrachloroethane			0.500	0.525		ug/L		105	50 - 150		
1,1,1-Trichloroethane			0.500	0.601		ug/L		120	50 - 150		
1,1,2,2-Tetrachloroethane			0.500	0.609		ug/L		122	50 - 150		
1,1,2-Trichloroethane			0.500	0.573		ug/L		115	50 - 150		
1,1-Dichloroethene			0.500	0.558		ug/L		112	50 - 150		
1,1-Dichloropropene			0.500	0.586		ug/L		117	50 - 150		
1,2,3-Trichlorobenzene			0.500	0.576		ug/L		115	50 - 150		

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-269504/5
Matrix: Water
Analysis Batch: 269504

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichloropropane	0.500	0.612		ug/L		122	50 - 150
1,2,4-Trichlorobenzene	0.500	0.614		ug/L		123	50 - 150
1,2,4-Trimethylbenzene	0.500	0.577		ug/L		115	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	0.531		ug/L		106	50 - 150
1,2-Dibromoethane	0.500	0.566		ug/L		113	50 - 150
1,2-Dichlorobenzene	0.500	0.629		ug/L		126	50 - 150
1,2-Dichloroethane	0.500	0.578		ug/L		116	50 - 150
1,2-Dichloropropane	0.500	0.615		ug/L		123	50 - 150
1,3,5-Trimethylbenzene	0.500	0.582		ug/L		116	50 - 150
1,3-Dichlorobenzene	0.500	0.611		ug/L		122	50 - 150
1,3-Dichloropropane	0.500	0.566		ug/L		113	50 - 150
1,4-Dichlorobenzene	0.500	0.653		ug/L		131	50 - 150
2,2-Dichloropropane	0.500	0.565		ug/L		113	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		128	50 - 150
2-Chlorotoluene	0.500	0.602		ug/L		120	50 - 150
2-Hexanone	2.50	ND		ug/L		118	50 - 150
4-Chlorotoluene	0.500	0.576		ug/L		115	50 - 150
4-Isopropyltoluene	0.500	0.592		ug/L		118	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		121	50 - 150
Acetone	2.50	ND		ug/L		150	50 - 150
Benzene	0.500	0.618		ug/L		124	50 - 150
Bromobenzene	0.500	0.618		ug/L		124	50 - 150
Bromochloromethane	0.500	0.549		ug/L		110	50 - 150
Bromoform	0.500	0.620		ug/L		124	50 - 150
Bromomethane	0.500	ND		ug/L		95	50 - 150
Carbon disulfide	0.500	0.563		ug/L		113	50 - 150
Carbon tetrachloride	0.500	0.620		ug/L		124	50 - 150
Chlorobenzene	0.500	0.566		ug/L		113	50 - 150
Chlorodibromomethane	0.500	0.599		ug/L		120	50 - 150
Chloroethane	0.500	0.657		ug/L		131	50 - 150
Chloroform	0.500	0.622		ug/L		124	50 - 150
Chloromethane	0.500	0.613		ug/L		123	50 - 150
cis-1,3-Dichloropropene	0.500	0.563		ug/L		113	50 - 150
Dibromomethane	0.500	0.590		ug/L		118	50 - 150
Dichlorobromomethane	0.500	0.581		ug/L		116	50 - 150
Dichlorodifluoromethane	0.500	0.531		ug/L		106	50 - 150
Ethylbenzene	0.500	0.581		ug/L		116	50 - 150
Hexachlorobutadiene	0.500	0.604		ug/L		121	50 - 150
Isopropylbenzene	0.500	0.571		ug/L		114	50 - 150
Methyl tert-butyl ether	0.500	0.560		ug/L		112	50 - 150
Methylene Chloride	0.500	0.602		ug/L		120	50 - 150
Naphthalene	0.500	0.606		ug/L		121	50 - 150
n-Butylbenzene	0.500	0.605		ug/L		121	50 - 150
n-Propylbenzene	0.500	0.595		ug/L		119	50 - 150
sec-Butylbenzene	0.500	0.600		ug/L		120	50 - 150
Styrene	0.500	0.559		ug/L		112	50 - 150
tert-Butylbenzene	0.500	0.589		ug/L		118	50 - 150
Tetrachloroethene	0.500	0.563		ug/L		113	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-269504/5
Matrix: Water
Analysis Batch: 269504

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.500	0.625		ug/L		125	50 - 150
trans-1,2-Dichloroethene	0.500	0.588		ug/L		118	50 - 150
trans-1,3-Dichloropropene	0.500	0.504		ug/L		101	50 - 150
Trichloroethene	0.500	0.592		ug/L		118	50 - 150
Trichlorofluoromethane	0.500	0.531		ug/L		106	50 - 150
Xylenes, Total	1.00	ND		ug/L		55	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*

Lab Sample ID: MB 480-269584/6
Matrix: Water
Analysis Batch: 269584

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	ND		0.50	0.074	ug/L			10/19/15 14:54	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			10/19/15 14:54	1
Vinyl chloride	ND		0.20	0.059	ug/L			10/19/15 14:54	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,1,1-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,1,2-Trichloroethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,1-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,1-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2,3-Trichloropropane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2,4-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2-Dibromoethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2-Dichloroethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,3-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,3-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
1,4-Dichlorobenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
2,2-Dichloropropane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
2-Butanone (MEK)	ND		10	10	ug/L			10/19/15 14:54	1
2-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
2-Hexanone	ND		10	10	ug/L			10/19/15 14:54	1
4-Chlorotoluene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
4-Isopropyltoluene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
4-Methyl-2-pentanone (MIBK)	ND		10	10	ug/L			10/19/15 14:54	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-269584/6
Matrix: Water
Analysis Batch: 269584

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	10	ug/L			10/19/15 14:54	1
Acrylonitrile	ND		10	10	ug/L			10/19/15 14:54	1
Allyl chloride	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Benzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Bromobenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Bromochloromethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Bromoform	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Bromomethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Carbon disulfide	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Carbon tetrachloride	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Chlorobenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Chlorodibromomethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Chloroethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Chloroform	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Chloromethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
cis-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Dibromomethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Dichlorobromomethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Dichlorodifluoromethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Dichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Ethyl ether	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Ethylbenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Hexachlorobutadiene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Iodomethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Isopropylbenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Methyl tert-butyl ether	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Methylene Chloride	ND		0.50	0.50	ug/L			10/19/15 14:54	1
m-Xylene & p-Xylene	ND		1.0	1.0	ug/L			10/19/15 14:54	1
Naphthalene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
n-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
n-Propylbenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
o-Xylene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
sec-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Styrene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
t-Butanol	ND		10	10	ug/L			10/19/15 14:54	1
tert-Butylbenzene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Tetrachloroethene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Toluene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
trans-1,2-Dichloroethene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
trans-1,3-Dichloropropene	ND		0.50	0.50	ug/L			10/19/15 14:54	1
trans-1,4-Dichloro-2-butene	ND		2.5	2.5	ug/L			10/19/15 14:54	1
Trichloroethene	ND		0.20	0.20	ug/L			10/19/15 14:54	1
Trichlorofluoromethane	ND		0.50	0.50	ug/L			10/19/15 14:54	1
Trihalomethanes, Total	ND		2.0	2.0	ug/L			10/19/15 14:54	1
Vinyl acetate	ND		2.5	2.5	ug/L			10/19/15 14:54	1
Xylenes, Total	ND		1.0	1.0	ug/L			10/19/15 14:54	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-269584/6
Matrix: Water
Analysis Batch: 269584

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene-d4	100		80 - 120		10/19/15 14:54	1
4-Bromofluorobenzene (Surr)	94		80 - 120		10/19/15 14:54	1

Lab Sample ID: LCS 480-269584/3
Matrix: Water
Analysis Batch: 269584

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	4.00	3.75		ug/L		94	70 - 130
cis-1,2-Dichloroethene	4.00	3.87		ug/L		97	70 - 130
Vinyl chloride	4.00	3.99		ug/L		100	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	3.88		ug/L		97	70 - 130
1,1,1-Trichloroethane	4.00	4.02		ug/L		101	70 - 130
1,1,2,2-Tetrachloroethane	4.00	4.05		ug/L		101	70 - 130
1,1,2-Trichloroethane	4.00	3.98		ug/L		99	70 - 130
1,1-Dichloroethene	4.00	3.91		ug/L		98	70 - 130
1,1-Dichloropropene	4.00	3.78		ug/L		94	70 - 130
1,2,3-Trichlorobenzene	4.00	3.73		ug/L		93	70 - 130
1,2,3-Trichloropropane	4.00	4.16		ug/L		104	70 - 130
1,2,4-Trichlorobenzene	4.00	3.85		ug/L		96	70 - 130
1,2,4-Trimethylbenzene	4.00	3.98		ug/L		99	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	4.11		ug/L		103	70 - 130
1,2-Dibromoethane	4.00	4.00		ug/L		100	70 - 130
1,2-Dichlorobenzene	4.00	3.95		ug/L		99	70 - 130
1,2-Dichloroethane	4.00	3.93		ug/L		98	70 - 130
1,2-Dichloropropane	4.00	4.06		ug/L		101	70 - 130
1,3,5-Trimethylbenzene	4.00	3.95		ug/L		99	70 - 130
1,3-Dichlorobenzene	4.00	3.96		ug/L		99	70 - 130
1,3-Dichloropropane	4.00	3.92		ug/L		98	70 - 130
1,4-Dichlorobenzene	4.00	4.05		ug/L		101	70 - 130
2,2-Dichloropropane	4.00	3.51		ug/L		88	70 - 130
2-Butanone (MEK)	20.0	20.0		ug/L		100	70 - 130
2-Chlorotoluene	4.00	3.93		ug/L		98	70 - 130
2-Hexanone	20.0	20.3		ug/L		101	70 - 130
4-Chlorotoluene	4.00	4.12		ug/L		103	70 - 130
4-Isopropyltoluene	4.00	3.93		ug/L		98	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	20.1		ug/L		100	70 - 130
Acetone	20.0	22.0		ug/L		110	70 - 130
Benzene	4.00	3.87		ug/L		97	70 - 130
Bromobenzene	4.00	3.94		ug/L		98	70 - 130
Bromochloromethane	4.00	3.90		ug/L		97	70 - 130
Bromoform	4.00	4.53		ug/L		113	70 - 130
Bromomethane	4.00	3.84		ug/L		96	70 - 130
Carbon disulfide	4.00	3.49		ug/L		87	70 - 130
Carbon tetrachloride	4.00	4.37		ug/L		109	70 - 130
Chlorobenzene	4.00	3.85		ug/L		96	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-269584/3
Matrix: Water
Analysis Batch: 269584

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	4.00	4.28		ug/L		107	70 - 130
Chloroethane	4.00	4.29		ug/L		107	70 - 130
Chloroform	4.00	3.82		ug/L		96	70 - 130
Chloromethane	4.00	3.98		ug/L		100	70 - 130
cis-1,3-Dichloropropene	4.00	3.91		ug/L		98	70 - 130
Dibromomethane	4.00	4.10		ug/L		102	70 - 130
Dichlorobromomethane	4.00	4.12		ug/L		103	70 - 130
Dichlorodifluoromethane	4.00	4.03		ug/L		101	70 - 130
Ethylbenzene	4.00	3.83		ug/L		96	70 - 130
Hexachlorobutadiene	4.00	3.76		ug/L		94	70 - 130
Isopropylbenzene	4.00	3.90		ug/L		97	70 - 130
Methyl tert-butyl ether	4.00	3.75		ug/L		94	70 - 130
Methylene Chloride	4.00	5.15		ug/L		129	70 - 130
Naphthalene	4.00	3.78		ug/L		95	70 - 130
n-Butylbenzene	4.00	3.94		ug/L		98	70 - 130
n-Propylbenzene	4.00	3.92		ug/L		98	70 - 130
sec-Butylbenzene	4.00	3.95		ug/L		99	70 - 130
Styrene	4.00	3.77		ug/L		94	70 - 130
tert-Butylbenzene	4.00	3.87		ug/L		97	70 - 130
Tetrachloroethene	4.00	3.80		ug/L		95	70 - 130
Toluene	4.00	4.06		ug/L		101	70 - 130
trans-1,2-Dichloroethene	4.00	3.97		ug/L		99	70 - 130
trans-1,3-Dichloropropene	4.00	3.73		ug/L		93	70 - 130
Trichloroethene	4.00	3.94		ug/L		98	70 - 130
Trichlorofluoromethane	4.00	4.08		ug/L		102	70 - 130
Xylenes, Total	8.00	7.80		ug/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 480-269584/4
Matrix: Water
Analysis Batch: 269584

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	4.00	4.01		ug/L		100	70 - 130	7	20
cis-1,2-Dichloroethene	4.00	3.95		ug/L		99	70 - 130	2	20
Vinyl chloride	4.00	4.11		ug/L		103	70 - 130	3	20

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.00	4.05		ug/L		101	70 - 130	4	20
1,1,1-Trichloroethane	4.00	4.10		ug/L		102	70 - 130	2	20
1,1,2,2-Tetrachloroethane	4.00	4.18		ug/L		104	70 - 130	3	20
1,1,2-Trichloroethane	4.00	3.95		ug/L		99	70 - 130	1	20
1,1-Dichloroethene	4.00	3.95		ug/L		99	70 - 130	1	20
1,1-Dichloropropene	4.00	4.04		ug/L		101	70 - 130	7	20
1,2,3-Trichlorobenzene	4.00	3.83		ug/L		96	70 - 130	3	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-269584/4
Matrix: Water
Analysis Batch: 269584

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
1,2,3-Trichloropropane	4.00	4.23		ug/L		106	70 - 130	2	20
1,2,4-Trichlorobenzene	4.00	3.93		ug/L		98	70 - 130	2	20
1,2,4-Trimethylbenzene	4.00	4.03		ug/L		101	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	4.00	4.17		ug/L		104	70 - 130	1	20
1,2-Dibromoethane	4.00	4.18		ug/L		104	70 - 130	4	20
1,2-Dichlorobenzene	4.00	4.13		ug/L		103	70 - 130	5	20
1,2-Dichloroethane	4.00	4.08		ug/L		102	70 - 130	4	20
1,2-Dichloropropane	4.00	4.16		ug/L		104	70 - 130	2	20
1,3,5-Trimethylbenzene	4.00	4.10		ug/L		102	70 - 130	4	20
1,3-Dichlorobenzene	4.00	4.11		ug/L		103	70 - 130	4	20
1,3-Dichloropropane	4.00	4.16		ug/L		104	70 - 130	6	20
1,4-Dichlorobenzene	4.00	4.13		ug/L		103	70 - 130	2	20
2,2-Dichloropropane	4.00	3.58		ug/L		89	70 - 130	2	20
2-Butanone (MEK)	20.0	20.6		ug/L		103	70 - 130	3	20
2-Chlorotoluene	4.00	4.14		ug/L		104	70 - 130	5	20
2-Hexanone	20.0	20.4		ug/L		102	70 - 130	0	20
4-Chlorotoluene	4.00	3.93		ug/L		98	70 - 130	5	20
4-Isopropyltoluene	4.00	4.09		ug/L		102	70 - 130	4	20
4-Methyl-2-pentanone (MIBK)	20.0	20.3		ug/L		101	70 - 130	1	20
Acetone	20.0	22.1		ug/L		111	70 - 130	1	20
Benzene	4.00	3.98		ug/L		100	70 - 130	3	20
Bromobenzene	4.00	4.12		ug/L		103	70 - 130	4	20
Bromochloromethane	4.00	3.93		ug/L		98	70 - 130	1	20
Bromoform	4.00	4.59		ug/L		115	70 - 130	1	20
Bromomethane	4.00	4.09		ug/L		102	70 - 130	6	20
Carbon disulfide	4.00	3.59		ug/L		90	70 - 130	3	20
Carbon tetrachloride	4.00	4.61		ug/L		115	70 - 130	5	20
Chlorobenzene	4.00	4.08		ug/L		102	70 - 130	6	20
Chlorodibromomethane	4.00	4.37		ug/L		109	70 - 130	2	20
Chloroethane	4.00	4.31		ug/L		108	70 - 130	0	20
Chloroform	4.00	3.93		ug/L		98	70 - 130	3	20
Chloromethane	4.00	3.93		ug/L		98	70 - 130	1	20
cis-1,3-Dichloropropene	4.00	4.01		ug/L		100	70 - 130	2	20
Dibromomethane	4.00	4.11		ug/L		103	70 - 130	0	20
Dichlorobromomethane	4.00	4.17		ug/L		104	70 - 130	1	20
Dichlorodifluoromethane	4.00	4.16		ug/L		104	70 - 130	3	20
Ethylbenzene	4.00	4.02		ug/L		100	70 - 130	5	20
Hexachlorobutadiene	4.00	4.06		ug/L		101	70 - 130	8	20
Isopropylbenzene	4.00	4.10		ug/L		103	70 - 130	5	20
Methyl tert-butyl ether	4.00	3.92		ug/L		98	70 - 130	4	20
Methylene Chloride	4.00	4.74		ug/L		119	70 - 130	8	20
Naphthalene	4.00	3.87		ug/L		97	70 - 130	2	20
n-Butylbenzene	4.00	4.08		ug/L		102	70 - 130	4	20
n-Propylbenzene	4.00	4.13		ug/L		103	70 - 130	5	20
sec-Butylbenzene	4.00	4.11		ug/L		103	70 - 130	4	20
Styrene	4.00	3.94		ug/L		99	70 - 130	5	20
tert-Butylbenzene	4.00	4.12		ug/L		103	70 - 130	6	20
Tetrachloroethene	4.00	4.05		ug/L		101	70 - 130	6	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-269584/4
Matrix: Water
Analysis Batch: 269584

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	4.00	4.12		ug/L		103	70 - 130	1	20
trans-1,2-Dichloroethene	4.00	4.06		ug/L		102	70 - 130	2	20
trans-1,3-Dichloropropene	4.00	3.84		ug/L		96	70 - 130	3	20
Trichloroethene	4.00	4.04		ug/L		101	70 - 130	2	20
Trichlorofluoromethane	4.00	4.31		ug/L		108	70 - 130	5	20
Xylenes, Total	8.00	7.91		ug/L		99	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*

Lab Sample ID: LLCS 480-269584/5
Matrix: Water
Analysis Batch: 269584

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.500	0.494	J	ug/L		99	50 - 150
cis-1,2-Dichloroethene	0.500	0.496	J	ug/L		99	50 - 150
Vinyl chloride	0.500	0.631		ug/L		126	50 - 150

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	0.507		ug/L		101	50 - 150
1,1,1-Trichloroethane	0.500	ND		ug/L		90	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.532		ug/L		106	50 - 150
1,1,2-Trichloroethane	0.500	0.517		ug/L		103	50 - 150
1,1-Dichloroethene	0.500	ND		ug/L		91	50 - 150
1,1-Dichloropropene	0.500	ND		ug/L		96	50 - 150
1,2,3-Trichlorobenzene	0.500	0.539		ug/L		108	50 - 150
1,2,3-Trichloropropane	0.500	0.502		ug/L		100	50 - 150
1,2,4-Trichlorobenzene	0.500	0.521		ug/L		104	50 - 150
1,2,4-Trimethylbenzene	0.500	ND		ug/L		96	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	ND		ug/L		78	50 - 150
1,2-Dibromoethane	0.500	0.500		ug/L		100	50 - 150
1,2-Dichlorobenzene	0.500	0.519		ug/L		104	50 - 150
1,2-Dichloroethane	0.500	0.512		ug/L		102	50 - 150
1,2-Dichloropropane	0.500	ND		ug/L		99	50 - 150
1,3,5-Trimethylbenzene	0.500	ND		ug/L		98	50 - 150
1,3-Dichlorobenzene	0.500	0.506		ug/L		101	50 - 150
1,3-Dichloropropane	0.500	ND		ug/L		100	50 - 150
1,4-Dichlorobenzene	0.500	0.540		ug/L		108	50 - 150
2,2-Dichloropropane	0.500	0.514		ug/L		103	50 - 150
2-Butanone (MEK)	2.50	ND		ug/L		91	50 - 150
2-Chlorotoluene	0.500	0.527		ug/L		105	50 - 150
2-Hexanone	2.50	ND		ug/L		98	50 - 150
4-Chlorotoluene	0.500	ND		ug/L		97	50 - 150
4-Isopropyltoluene	0.500	ND		ug/L		97	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	ND		ug/L		103	50 - 150
Acetone	2.50	ND		ug/L		129	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-269584/5
Matrix: Water
Analysis Batch: 269584

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.500	0.531		ug/L		106	50 - 150
Bromobenzene	0.500	0.507		ug/L		101	50 - 150
Bromochloromethane	0.500	ND		ug/L		90	50 - 150
Bromoform	0.500	0.547		ug/L		109	50 - 150
Bromomethane	0.500	0.740		ug/L		148	50 - 150
Carbon disulfide	0.500	ND		ug/L		97	50 - 150
Carbon tetrachloride	0.500	ND		ug/L		91	50 - 150
Chlorobenzene	0.500	0.505		ug/L		101	50 - 150
Chlorodibromomethane	0.500	0.503		ug/L		101	50 - 150
Chloroethane	0.500	0.605		ug/L		121	50 - 150
Chloroform	0.500	0.541		ug/L		108	50 - 150
Chloromethane	0.500	0.678		ug/L		136	50 - 150
cis-1,3-Dichloropropene	0.500	ND		ug/L		92	50 - 150
Dibromomethane	0.500	0.548		ug/L		110	50 - 150
Dichlorobromomethane	0.500	ND		ug/L		99	50 - 150
Dichlorodifluoromethane	0.500	0.541		ug/L		108	50 - 150
Ethylbenzene	0.500	0.503		ug/L		101	50 - 150
Hexachlorobutadiene	0.500	0.508		ug/L		102	50 - 150
Isopropylbenzene	0.500	ND		ug/L		98	50 - 150
Methyl tert-butyl ether	0.500	0.507		ug/L		101	50 - 150
Methylene Chloride	0.500	1.75	*	ug/L		350	50 - 150
Naphthalene	0.500	0.528		ug/L		106	50 - 150
n-Butylbenzene	0.500	ND		ug/L		98	50 - 150
n-Propylbenzene	0.500	ND		ug/L		96	50 - 150
sec-Butylbenzene	0.500	ND		ug/L		97	50 - 150
Styrene	0.500	ND		ug/L		93	50 - 150
tert-Butylbenzene	0.500	ND		ug/L		95	50 - 150
Tetrachloroethene	0.500	ND		ug/L		97	50 - 150
Toluene	0.500	ND		ug/L		100	50 - 150
trans-1,2-Dichloroethene	0.500	ND		ug/L		98	50 - 150
trans-1,3-Dichloropropene	0.500	ND		ug/L		84	50 - 150
Trichloroethene	0.500	0.512		ug/L		102	50 - 150
Trichlorofluoromethane	0.500	0.525		ug/L		105	50 - 150
Xylenes, Total	1.00	ND	*	ug/L		0	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 480-88814-26 MS
Matrix: Water
Analysis Batch: 269584

Client Sample ID: W-151008-MB-71
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	0.65		4.00	4.62		ug/L		99	70 - 130
cis-1,2-Dichloroethene	ND		4.00	4.14		ug/L		103	70 - 130
Vinyl chloride	ND	F1 F2	4.00	4.18		ug/L		105	70 - 130

QC Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		4.00	3.97		ug/L		99	70 - 130
1,1,1-Trichloroethane	ND		4.00	4.17		ug/L		104	70 - 130
1,1,2,2-Tetrachloroethane	ND		4.00	4.17		ug/L		104	70 - 130
1,1,2-Trichloroethane	ND		4.00	4.06		ug/L		102	70 - 130
1,1-Dichloroethene	ND		4.00	4.04		ug/L		101	70 - 130
1,1-Dichloropropene	ND		4.00	4.05		ug/L		101	70 - 130
1,2,3-Trichlorobenzene	ND		4.00	3.74		ug/L		94	70 - 130
1,2,3-Trichloropropane	ND		4.00	4.20		ug/L		105	70 - 130
1,2,4-Trichlorobenzene	ND		4.00	3.79		ug/L		95	70 - 130
1,2,4-Trimethylbenzene	ND		4.00	3.74		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	ND		4.00	3.83		ug/L		96	70 - 130
1,2-Dibromoethane	ND		4.00	4.10		ug/L		103	70 - 130
1,2-Dichlorobenzene	ND		4.00	4.11		ug/L		103	70 - 130
1,2-Dichloroethane	ND		4.00	4.22		ug/L		106	70 - 130
1,2-Dichloropropane	ND		4.00	4.13		ug/L		103	70 - 130
1,3,5-Trimethylbenzene	ND		4.00	3.71		ug/L		93	70 - 130
1,3-Dichlorobenzene	ND		4.00	4.02		ug/L		100	70 - 130
1,3-Dichloropropane	ND		4.00	4.13		ug/L		103	70 - 130
1,4-Dichlorobenzene	ND		4.00	4.18		ug/L		105	70 - 130
2,2-Dichloropropane	ND		4.00	3.50		ug/L		87	70 - 130
2-Butanone (MEK)	ND		20.0	21.0		ug/L		105	70 - 130
2-Chlorotoluene	ND		4.00	4.14		ug/L		103	70 - 130
2-Hexanone	ND		20.0	21.0		ug/L		105	70 - 130
4-Chlorotoluene	ND		4.00	4.02		ug/L		100	70 - 130
4-Isopropyltoluene	ND		4.00	4.12		ug/L		103	70 - 130
4-Methyl-2-pentanone (MIBK)	ND		20.0	20.6		ug/L		103	70 - 130
Acetone	ND		20.0	22.2		ug/L		111	70 - 130
Benzene	ND		4.00	4.03		ug/L		101	70 - 130
Bromobenzene	ND		4.00	4.10		ug/L		103	70 - 130
Bromochloromethane	ND		4.00	3.93		ug/L		98	70 - 130
Bromoform	ND		4.00	3.76		ug/L		94	70 - 130
Bromomethane	ND	F1 F2	4.00	3.90		ug/L		97	70 - 130
Carbon disulfide	ND		4.00	3.53		ug/L		88	70 - 130
Carbon tetrachloride	ND		4.00	4.43		ug/L		111	70 - 130
Chlorobenzene	ND		4.00	4.21		ug/L		105	70 - 130
Chlorodibromomethane	ND		4.00	3.90		ug/L		97	70 - 130
Chloroethane	ND	F1 F2	4.00	3.87		ug/L		97	70 - 130
Chloroform	ND		4.00	4.05		ug/L		101	70 - 130
Chloromethane	ND	F2	4.00	4.00		ug/L		100	70 - 130
cis-1,3-Dichloropropene	ND		4.00	3.93		ug/L		98	70 - 130
Dibromomethane	ND		4.00	4.12		ug/L		103	70 - 130
Dichlorobromomethane	ND		4.00	4.04		ug/L		101	70 - 130
Dichlorodifluoromethane	0.79		4.00	4.74		ug/L		99	70 - 130
Ethylbenzene	ND		4.00	4.04		ug/L		101	70 - 130
Hexachlorobutadiene	ND		4.00	3.89		ug/L		97	70 - 130
Isopropylbenzene	ND		4.00	4.15		ug/L		104	70 - 130
Methyl tert-butyl ether	ND		4.00	3.85		ug/L		96	70 - 130
Methylene Chloride	ND	*	4.00	4.12		ug/L		103	70 - 130
Naphthalene	ND		4.00	3.72		ug/L		93	70 - 130
n-Butylbenzene	ND		4.00	4.11		ug/L		103	70 - 130
n-Propylbenzene	ND		4.00	4.13		ug/L		103	70 - 130
sec-Butylbenzene	ND		4.00	4.18		ug/L		104	70 - 130
Styrene	ND		4.00	3.18		ug/L		79	70 - 130
tert-Butylbenzene	ND		4.00	4.08		ug/L		102	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88814-26 MS
Matrix: Water
Analysis Batch: 269584

Client Sample ID: W-151008-MB-71
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	ND		4.00	4.19		ug/L		105	70 - 130
Toluene	ND		4.00	4.20		ug/L		105	70 - 130
trans-1,2-Dichloroethene	ND		4.00	4.08		ug/L		102	70 - 130
trans-1,3-Dichloropropene	ND		4.00	3.59		ug/L		90	70 - 130
Trichloroethene	ND		4.00	4.23		ug/L		106	70 - 130
Trichlorofluoromethane	ND	F2	4.00	3.93		ug/L		98	70 - 130
Xylenes, Total	ND	*	8.00	7.85		ug/L		98	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*80 - 120*

Lab Sample ID: 480-88814-26 MSD
Matrix: Water
Analysis Batch: 269584

Client Sample ID: W-151008-MB-71
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	0.65		4.00	4.98		ug/L		108	70 - 130	7	20
cis-1,2-Dichloroethene	ND		4.00	4.45		ug/L		111	70 - 130	7	20
Vinyl chloride	ND	F1 F2	4.00	5.31	F1 F2	ug/L		133	70 - 130	24	20
Analyte	**Sample Result**	**Sample Qualifier**	**Spike Added**	**MSD Result**	**MSD Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	ND		4.00	4.44		ug/L		111	70 - 130	11	20
1,1,1-Trichloroethane	ND		4.00	4.69		ug/L		117	70 - 130	12	20
1,1,2,2-Tetrachloroethane	ND		4.00	4.42		ug/L		110	70 - 130	6	20
1,1,2-Trichloroethane	ND		4.00	4.33		ug/L		108	70 - 130	6	20
1,1-Dichloroethene	ND		4.00	4.43		ug/L		111	70 - 130	9	20
1,1-Dichloropropene	ND		4.00	4.57		ug/L		114	70 - 130	12	20
1,2,3-Trichlorobenzene	ND		4.00	4.03		ug/L		101	70 - 130	7	20
1,2,3-Trichloropropane	ND		4.00	4.41		ug/L		110	70 - 130	5	20
1,2,4-Trichlorobenzene	ND		4.00	3.98		ug/L		99	70 - 130	5	20
1,2,4-Trimethylbenzene	ND		4.00	4.04		ug/L		101	70 - 130	8	20
1,2-Dibromo-3-Chloropropane	ND		4.00	4.27		ug/L		107	70 - 130	11	20
1,2-Dibromoethane	ND		4.00	4.40		ug/L		110	70 - 130	7	20
1,2-Dichlorobenzene	ND		4.00	4.38		ug/L		110	70 - 130	6	20
1,2-Dichloroethane	ND		4.00	4.43		ug/L		111	70 - 130	5	20
1,2-Dichloropropane	ND		4.00	4.48		ug/L		112	70 - 130	8	20
1,3,5-Trimethylbenzene	ND		4.00	4.04		ug/L		101	70 - 130	8	20
1,3-Dichlorobenzene	ND		4.00	4.38		ug/L		109	70 - 130	8	20
1,3-Dichloropropane	ND		4.00	4.44		ug/L		111	70 - 130	7	20
1,4-Dichlorobenzene	ND		4.00	4.49		ug/L		112	70 - 130	7	20
2,2-Dichloropropane	ND		4.00	3.80		ug/L		95	70 - 130	8	20
2-Butanone (MEK)	ND		20.0	22.9		ug/L		115	70 - 130	9	20
2-Chlorotoluene	ND		4.00	4.48		ug/L		112	70 - 130	8	20
2-Hexanone	ND		20.0	22.8		ug/L		114	70 - 130	8	20
4-Chlorotoluene	ND		4.00	4.34		ug/L		109	70 - 130	8	20
4-Isopropyltoluene	ND		4.00	4.39		ug/L		110	70 - 130	6	20
4-Methyl-2-pentanone (MIBK)	ND		20.0	22.3		ug/L		112	70 - 130	8	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-88814-26 MSD
Matrix: Water
Analysis Batch: 269584

Client Sample ID: W-151008-MB-71
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		20.0	23.6		ug/L		118	70 - 130	6	20
Benzene	ND		4.00	4.44		ug/L		111	70 - 130	10	20
Bromobenzene	ND		4.00	4.41		ug/L		110	70 - 130	7	20
Bromochloromethane	ND		4.00	4.25		ug/L		106	70 - 130	8	20
Bromoform	ND		4.00	4.16		ug/L		104	70 - 130	10	20
Bromomethane	ND	F1 F2	4.00	5.33	F1 F2	ug/L		133	70 - 130	31	20
Carbon disulfide	ND		4.00	3.93		ug/L		98	70 - 130	11	20
Carbon tetrachloride	ND		4.00	4.78		ug/L		119	70 - 130	8	20
Chlorobenzene	ND		4.00	4.50		ug/L		112	70 - 130	7	20
Chlorodibromomethane	ND		4.00	4.32		ug/L		108	70 - 130	10	20
Chloroethane	ND	F1 F2	4.00	5.38	F1 F2	ug/L		134	70 - 130	33	20
Chloroform	ND		4.00	4.38		ug/L		110	70 - 130	8	20
Chloromethane	ND	F2	4.00	5.10	F2	ug/L		128	70 - 130	24	20
cis-1,3-Dichloropropene	ND		4.00	4.30		ug/L		108	70 - 130	9	20
Dibromomethane	ND		4.00	4.38		ug/L		110	70 - 130	6	20
Dichlorobromomethane	ND		4.00	4.39		ug/L		110	70 - 130	8	20
Dichlorodifluoromethane	0.79		4.00	5.75		ug/L		124	70 - 130	19	20
Ethylbenzene	ND		4.00	4.45		ug/L		111	70 - 130	10	20
Hexachlorobutadiene	ND		4.00	4.14		ug/L		104	70 - 130	6	20
Isopropylbenzene	ND		4.00	4.48		ug/L		112	70 - 130	8	20
Methyl tert-butyl ether	ND		4.00	4.08		ug/L		102	70 - 130	6	20
Methylene Chloride	ND	*	4.00	4.41		ug/L		110	70 - 130	7	20
Naphthalene	ND		4.00	4.04		ug/L		101	70 - 130	8	20
n-Butylbenzene	ND		4.00	4.46		ug/L		112	70 - 130	8	20
n-Propylbenzene	ND		4.00	4.51		ug/L		113	70 - 130	9	20
sec-Butylbenzene	ND		4.00	4.55		ug/L		114	70 - 130	8	20
Styrene	ND		4.00	3.50		ug/L		88	70 - 130	10	20
tert-Butylbenzene	ND		4.00	4.46		ug/L		112	70 - 130	9	20
Tetrachloroethene	ND		4.00	4.70		ug/L		118	70 - 130	12	20
Toluene	ND		4.00	4.39		ug/L		110	70 - 130	4	20
trans-1,2-Dichloroethene	ND		4.00	4.40		ug/L		110	70 - 130	8	20
trans-1,3-Dichloropropene	ND		4.00	3.91		ug/L		98	70 - 130	8	20
Trichloroethene	ND		4.00	4.53		ug/L		113	70 - 130	7	20
Trichlorofluoromethane	ND	F2	4.00	5.10	F2	ug/L		127	70 - 130	26	20
Xylenes, Total	ND	*	8.00	8.64		ug/L		108	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-268202/4
Matrix: Water
Analysis Batch: 268202

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/12/15 23:30	1

QC Sample Results

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Lab Sample ID: LCS 480-268202/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268202

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			20.0	21.13		mg/L		106	90 - 110		

Lab Sample ID: 480-88814-26 MS — **Client Sample ID: W-151008-MB-71**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268202

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	36.3		25.0	59.81		mg/L		94	81 - 120		

Lab Sample ID: 480-88814-26 MSD — **Client Sample ID: W-151008-MB-71**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	36.3		25.0	60.08		mg/L		95	81 - 120	0	20

Lab Sample ID: MB 480-268356/32 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268356

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/13/15 19:39	1

Lab Sample ID: MB 480-268356/60 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268356

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/14/15 02:28	1

Lab Sample ID: LCS 480-268356/31 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268356

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			20.0	21.14		mg/L		106	90 - 110		

Lab Sample ID: LCS 480-268356/59 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268356

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			20.0	21.41		mg/L		107	90 - 110		

Lab Sample ID: 480-88814-9 MS — **Client Sample ID: W-151007-MB-54**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	41.9		25.0	66.58		mg/L		99	81 - 120		

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 480-88814-9 MSD — **Client Sample ID: W-151007-MB-54**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268356

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	41.9		25.0	66.80		mg/L		100	81 - 120	0	20

Lab Sample ID: 480-88814-10 MS — **Client Sample ID: W-151007-MB-55**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	23.6		25.0	49.67		mg/L		104	81 - 120		

Lab Sample ID: MB 480-268881/150 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268881

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/16/15 11:08	1

Lab Sample ID: MB 480-268881/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268881

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.50	mg/L			10/15/15 08:42	1

Lab Sample ID: LCS 480-268881/149 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268881

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			20.0	20.78		mg/L		104	90 - 110		

Lab Sample ID: LCS 480-268881/3 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 268881

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			20.0	20.74		mg/L		104	90 - 110		

QC Association Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

GC/MS VOA

Analysis Batch: 269354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-2	W-151007-MB-47	Total/NA	Water	524.2	
480-88814-3	W-151007-MB-48	Total/NA	Water	524.2	
480-88814-4	W-151007-MB-49	Total/NA	Water	524.2	
480-88814-5	W-151007-MB-50	Total/NA	Water	524.2	
480-88814-6	W-151007-MB-51	Total/NA	Water	524.2	
480-88814-7	W-151007-MB-52	Total/NA	Water	524.2	
480-88814-8	W-151007-MB-53	Total/NA	Water	524.2	
480-88814-9	W-151007-MB-54	Total/NA	Water	524.2	
480-88814-9 MS	W-151007-MB-54	Total/NA	Water	524.2	
480-88814-9 MSD	W-151007-MB-54	Total/NA	Water	524.2	
LCS 480-269354/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-269354/4	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-269354/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-269354/6	Method Blank	Total/NA	Water	524.2	

Analysis Batch: 269398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-1	W-151007-MB-46	Total/NA	Water	524.2	
480-88814-10	W-151007-MB-55	Total/NA	Water	524.2	
480-88814-11	W-151007-MB-56	Total/NA	Water	524.2	
480-88814-12	W-151007-MB-57	Total/NA	Water	524.2	
480-88814-13	W-151007-MB-58	Total/NA	Water	524.2	
480-88814-14	W-151007-MB-59	Total/NA	Water	524.2	
480-88814-15	W-151007-MB-60	Total/NA	Water	524.2	
LCS 480-269398/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-269398/4	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-269398/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-269398/6	Method Blank	Total/NA	Water	524.2	

Analysis Batch: 269464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-16	W-151007-MB-61	Total/NA	Water	524.2	
480-88814-17	W-151007-MB-62	Total/NA	Water	524.2	
480-88814-18	W-151007-MB-63	Total/NA	Water	524.2	
480-88814-19	W-151007-MB-64	Total/NA	Water	524.2	
480-88814-20	W-151007-MB-65	Total/NA	Water	524.2	
480-88814-21	W-151007-MB-66	Total/NA	Water	524.2	
480-88814-22	W-151007-MB-67	Total/NA	Water	524.2	
480-88814-23	W-151007-MB-68	Total/NA	Water	524.2	
480-88814-24	W-151007-MB-69	Total/NA	Water	524.2	
480-88814-25	W-151007-MB-70	Total/NA	Water	524.2	
480-88814-36	8 WSR	Total/NA	Water	524.2	
480-88814-37	8 WSR DUP	Total/NA	Water	524.2	
480-88814-38	50E0	Total/NA	Water	524.2	
480-88814-39	15 DUCK PASS	Total/NA	Water	524.2	
LCS 480-269464/25	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-269464/26	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-269464/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-269464/6	Method Blank	Total/NA	Water	524.2	

GC/MS VOA (Continued)

Analysis Batch: 269504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-27	W-151008-MB-72	Total/NA	Water	524.2	
LCS 480-269504/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-269504/4	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-269504/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-269504/6	Method Blank	Total/NA	Water	524.2	

Analysis Batch: 269584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-26	W-151008-MB-71	Total/NA	Water	524.2	
480-88814-26 MS	W-151008-MB-71	Total/NA	Water	524.2	
480-88814-26 MSD	W-151008-MB-71	Total/NA	Water	524.2	
480-88814-28	W-151008-MB-73	Total/NA	Water	524.2	
480-88814-29	W-151008-MB-74	Total/NA	Water	524.2	
480-88814-30	W-151008-MB-75	Total/NA	Water	524.2	
480-88814-31	W-151008-MB-76	Total/NA	Water	524.2	
480-88814-32	W-151008-MB-77	Total/NA	Water	524.2	
480-88814-33	W-151008-MB-78	Total/NA	Water	524.2	
480-88814-34	W-151008-MB-79	Total/NA	Water	524.2	
480-88814-35	TRIP BLANK	Total/NA	Water	524.2	
LCS 480-269584/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-269584/4	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-269584/5	Lab Control Sample	Total/NA	Water	524.2	
MB 480-269584/6	Method Blank	Total/NA	Water	524.2	

General Chemistry

Analysis Batch: 268202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-25	W-151007-MB-70	Total/NA	Water	300.0	
480-88814-26	W-151008-MB-71	Total/NA	Water	300.0	
480-88814-26 MS	W-151008-MB-71	Total/NA	Water	300.0	
480-88814-26 MSD	W-151008-MB-71	Total/NA	Water	300.0	
480-88814-27	W-151008-MB-72	Total/NA	Water	300.0	
480-88814-28	W-151008-MB-73	Total/NA	Water	300.0	
480-88814-29	W-151008-MB-74	Total/NA	Water	300.0	
480-88814-30	W-151008-MB-75	Total/NA	Water	300.0	
480-88814-31	W-151008-MB-76	Total/NA	Water	300.0	
480-88814-32	W-151008-MB-77	Total/NA	Water	300.0	
480-88814-33	W-151008-MB-78	Total/NA	Water	300.0	
480-88814-34	W-151008-MB-79	Total/NA	Water	300.0	
480-88814-36	8 WSR	Total/NA	Water	300.0	
480-88814-37	8 WSR DUP	Total/NA	Water	300.0	
480-88814-38	50E0	Total/NA	Water	300.0	
480-88814-39	15 DUCK PASS	Total/NA	Water	300.0	
LCS 480-268202/3	Lab Control Sample	Total/NA	Water	300.0	
MB 480-268202/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 268356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-1	W-151007-MB-46	Total/NA	Water	300.0	

General Chemistry (Continued)

Analysis Batch: 268356 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-2	W-151007-MB-47	Total/NA	Water	300.0	
480-88814-3	W-151007-MB-48	Total/NA	Water	300.0	
480-88814-4	W-151007-MB-49	Total/NA	Water	300.0	
480-88814-5	W-151007-MB-50	Total/NA	Water	300.0	
480-88814-6	W-151007-MB-51	Total/NA	Water	300.0	
480-88814-7	W-151007-MB-52	Total/NA	Water	300.0	
480-88814-8	W-151007-MB-53	Total/NA	Water	300.0	
480-88814-9	W-151007-MB-54	Total/NA	Water	300.0	
480-88814-9 MS	W-151007-MB-54	Total/NA	Water	300.0	
480-88814-9 MSD	W-151007-MB-54	Total/NA	Water	300.0	
480-88814-10	W-151007-MB-55	Total/NA	Water	300.0	
480-88814-10 MS	W-151007-MB-55	Total/NA	Water	300.0	
480-88814-11	W-151007-MB-56	Total/NA	Water	300.0	
480-88814-12	W-151007-MB-57	Total/NA	Water	300.0	
480-88814-13	W-151007-MB-58	Total/NA	Water	300.0	
480-88814-14	W-151007-MB-59	Total/NA	Water	300.0	
480-88814-15	W-151007-MB-60	Total/NA	Water	300.0	
480-88814-16	W-151007-MB-61	Total/NA	Water	300.0	
480-88814-17	W-151007-MB-62	Total/NA	Water	300.0	
480-88814-18	W-151007-MB-63	Total/NA	Water	300.0	
480-88814-19	W-151007-MB-64	Total/NA	Water	300.0	
480-88814-20	W-151007-MB-65	Total/NA	Water	300.0	
480-88814-21	W-151007-MB-66	Total/NA	Water	300.0	
480-88814-22	W-151007-MB-67	Total/NA	Water	300.0	
480-88814-23	W-151007-MB-68	Total/NA	Water	300.0	
LCS 480-268356/31	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-268356/59	Lab Control Sample	Total/NA	Water	300.0	
MB 480-268356/32	Method Blank	Total/NA	Water	300.0	
MB 480-268356/60	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 268881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-88814-24	W-151007-MB-69	Total/NA	Water	300.0	
LCS 480-268881/149	Lab Control Sample	Total/NA	Water	300.0	
LCS 480-268881/3	Lab Control Sample	Total/NA	Water	300.0	
MB 480-268881/150	Method Blank	Total/NA	Water	300.0	
MB 480-268881/4	Method Blank	Total/NA	Water	300.0	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-46 — Lab Sample ID: 480-88814-1

Date Collected: 10/07/15 08:45 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269398	10/17/15 17:27	SWO	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/13/15 22:49	CAS	TAL BUF

Client Sample ID: W-151007-MB-47 — Lab Sample ID: 480-88814-2

Date Collected: 10/07/15 09:20 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269354	10/17/15 04:44	GTG	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/13/15 23:03	CAS	TAL BUF

Client Sample ID: W-151007-MB-48 — Lab Sample ID: 480-88814-3

Date Collected: 10/07/15 09:26 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269354	10/17/15 05:10	GTG	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/13/15 23:18	CAS	TAL BUF

Client Sample ID: W-151007-MB-49 — Lab Sample ID: 480-88814-4

Date Collected: 10/07/15 09:32 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269354	10/17/15 05:37	GTG	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/13/15 23:32	CAS	TAL BUF

Client Sample ID: W-151007-MB-50 — Lab Sample ID: 480-88814-5

Date Collected: 10/07/15 10:03 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269354	10/17/15 06:04	GTG	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/13/15 23:47	CAS	TAL BUF

Client Sample ID: W-151007-MB-51 — Lab Sample ID: 480-88814-6

Date Collected: 10/07/15 10:04 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269354	10/17/15 06:30	GTG	TAL BUF

Client Sample ID: W-151007-MB-51 — Lab Sample ID: 480-88814-6

Date Collected: 10/07/15 10:04 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	268356	10/14/15 00:02	CAS	TAL BUF

Client Sample ID: W-151007-MB-52 — Lab Sample ID: 480-88814-7

Date Collected: 10/07/15 10:07 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269354	10/17/15 06:57	GTG	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 00:16	CAS	TAL BUF

Client Sample ID: W-151007-MB-53 — Lab Sample ID: 480-88814-8

Date Collected: 10/07/15 10:10 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269354	10/17/15 07:24	GTG	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 00:31	CAS	TAL BUF

Client Sample ID: W-151007-MB-54 — Lab Sample ID: 480-88814-9

Date Collected: 10/07/15 10:40 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269354	10/17/15 07:50	GTG	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 02:42	CAS	TAL BUF

Client Sample ID: W-151007-MB-55 — Lab Sample ID: 480-88814-10

Date Collected: 10/07/15 11:13 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269398	10/17/15 17:54	SWO	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 00:45	CAS	TAL BUF

Client Sample ID: W-151007-MB-56 — Lab Sample ID: 480-88814-11

Date Collected: 10/07/15 11:35 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269398	10/17/15 18:21	SWO	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 03:26	CAS	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-57 — Lab Sample ID: 480-88814-12

Date Collected: 10/07/15 11:40 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269398	10/17/15 18:48	SWO	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 03:40	CAS	TAL BUF

Client Sample ID: W-151007-MB-58 — Lab Sample ID: 480-88814-13

Date Collected: 10/07/15 11:50 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269398	10/17/15 19:15	SWO	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 03:55	CAS	TAL BUF

Client Sample ID: W-151007-MB-59 — Lab Sample ID: 480-88814-14

Date Collected: 10/07/15 13:10 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269398	10/17/15 19:41	SWO	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 04:10	CAS	TAL BUF

Client Sample ID: W-151007-MB-60 — Lab Sample ID: 480-88814-15

Date Collected: 10/07/15 13:15 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269398	10/17/15 20:08	SWO	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 04:24	CAS	TAL BUF

Client Sample ID: W-151007-MB-61 — Lab Sample ID: 480-88814-16

Date Collected: 10/07/15 13:18 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 01:26	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 05:37	CAS	TAL BUF

Client Sample ID: W-151007-MB-62 — Lab Sample ID: 480-88814-17

Date Collected: 10/07/15 13:18 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 01:52	CDC	TAL BUF

Client Sample ID: W-151007-MB-62 — Lab Sample ID: 480-88814-17

Date Collected: 10/07/15 13:18 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	268356	10/14/15 05:52	CAS	TAL BUF

Client Sample ID: W-151007-MB-63 — Lab Sample ID: 480-88814-18

Date Collected: 10/07/15 13:33 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 02:19	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 06:06	CAS	TAL BUF

Client Sample ID: W-151007-MB-64 — Lab Sample ID: 480-88814-19

Date Collected: 10/07/15 14:00 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 02:46	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 06:21	CAS	TAL BUF

Client Sample ID: W-151007-MB-65 — Lab Sample ID: 480-88814-20

Date Collected: 10/07/15 14:02 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 03:12	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 06:35	CAS	TAL BUF

Client Sample ID: W-151007-MB-66 — Lab Sample ID: 480-88814-21

Date Collected: 10/07/15 14:05 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 03:39	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 06:50	CAS	TAL BUF

Client Sample ID: W-151007-MB-67 — Lab Sample ID: 480-88814-22

Date Collected: 10/07/15 14:10 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 04:06	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 07:05	CAS	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151007-MB-68 — Lab Sample ID: 480-88814-23

Date Collected: 10/07/15 14:40 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 04:32	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268356	10/14/15 07:19	CAS	TAL BUF

Client Sample ID: W-151007-MB-69 — Lab Sample ID: 480-88814-24

Date Collected: 10/07/15 14:45 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 04:59	CDC	TAL BUF
Total/NA	Analysis	300.0		5	268881	10/15/15 14:09	CAS	TAL BUF

Client Sample ID: W-151007-MB-70 — Lab Sample ID: 480-88814-25

Date Collected: 10/07/15 14:50 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 05:27	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/12/15 23:44	CAS	TAL BUF

Client Sample ID: W-151008-MB-71 — Lab Sample ID: 480-88814-26

Date Collected: 10/08/15 09:42 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 15:49	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 00:57	CAS	TAL BUF

Client Sample ID: W-151008-MB-72 — Lab Sample ID: 480-88814-27

Date Collected: 10/08/15 10:00 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269504	10/19/15 03:53	JWG	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/12/15 23:59	CAS	TAL BUF

Client Sample ID: W-151008-MB-73 — Lab Sample ID: 480-88814-28

Date Collected: 10/08/15 11:47 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 16:42	CDC	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-73 — Lab Sample ID: 480-88814-28

Date Collected: 10/08/15 11:47 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	268202	10/13/15 00:13	CAS	TAL BUF

Client Sample ID: W-151008-MB-74 — Lab Sample ID: 480-88814-29

Date Collected: 10/08/15 11:43 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 17:09	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 00:28	CAS	TAL BUF

Client Sample ID: W-151008-MB-75 — Lab Sample ID: 480-88814-30

Date Collected: 10/08/15 12:20 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 17:35	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 00:43	CAS	TAL BUF

Client Sample ID: W-151008-MB-76 — Lab Sample ID: 480-88814-31

Date Collected: 10/08/15 12:28 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 18:02	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 02:39	CAS	TAL BUF

Client Sample ID: W-151008-MB-77 — Lab Sample ID: 480-88814-32

Date Collected: 10/08/15 12:57 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 18:29	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 02:54	CAS	TAL BUF

Client Sample ID: W-151008-MB-78 — Lab Sample ID: 480-88814-33

Date Collected: 10/08/15 12:59 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 18:56	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 03:08	CAS	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Client Sample ID: W-151008-MB-79 — Lab Sample ID: 480-88814-34

Date Collected: 10/08/15 13:10 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 19:23	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 03:23	CAS	TAL BUF

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-88814-35

Date Collected: 10/08/15 00:00 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269584	10/19/15 19:49	CDC	TAL BUF

Client Sample ID: 8 WSR — Lab Sample ID: 480-88814-36

Date Collected: 10/07/15 09:15 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 05:53	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 03:38	CAS	TAL BUF

Client Sample ID: 8 WSR DUP — Lab Sample ID: 480-88814-37

Date Collected: 10/07/15 09:15 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 06:20	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 03:52	CAS	TAL BUF

Client Sample ID: 50E0 — Lab Sample ID: 480-88814-38

Date Collected: 10/07/15 09:50 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 06:47	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 04:07	CAS	TAL BUF

Client Sample ID: 15 DUCK PASS — Lab Sample ID: 480-88814-39

Date Collected: 10/07/15 10:15 — **Matrix: Water**
Date Received: 10/09/15 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	269464	10/18/15 07:14	CDC	TAL BUF
Total/NA	Analysis	300.0		1	268202	10/13/15 04:21	CAS	TAL BUF

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Minnesota	NELAP	5	036-999-337	12-31-15 *

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	Dibromomethane
524.2		Water	Naphthalene

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane
524.2		Water	1,3-Dichloropropane
524.2		Water	2-Butanone (MEK)
524.2		Water	2-Hexanone
524.2		Water	4-Isopropyltoluene
524.2		Water	4-Methyl-2-pentanone (MIBK)
524.2		Water	Acetone
524.2		Water	Acrylonitrile
524.2		Water	Allyl chloride
524.2		Water	Carbon disulfide
524.2		Water	Dichlorofluoromethane
524.2		Water	Ethyl ether
524.2		Water	Iodomethane
524.2		Water	m-Xylene & p-Xylene
524.2		Water	o-Xylene
524.2		Water	t-Butanol
524.2		Water	trans-1,4-Dichloro-2-butene
524.2		Water	Vinyl acetate

* Certification renewal pending - certification considered valid.

Method Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-88814-1	W-151007-MB-46	Water	10/07/15 08:45	10/09/15 10:00
480-88814-2	W-151007-MB-47	Water	10/07/15 09:20	10/09/15 10:00
480-88814-3	W-151007-MB-48	Water	10/07/15 09:26	10/09/15 10:00
480-88814-4	W-151007-MB-49	Water	10/07/15 09:32	10/09/15 10:00
480-88814-5	W-151007-MB-50	Water	10/07/15 10:03	10/09/15 10:00
480-88814-6	W-151007-MB-51	Water	10/07/15 10:04	10/09/15 10:00
480-88814-7	W-151007-MB-52	Water	10/07/15 10:07	10/09/15 10:00
480-88814-8	W-151007-MB-53	Water	10/07/15 10:10	10/09/15 10:00
480-88814-9	W-151007-MB-54	Water	10/07/15 10:40	10/09/15 10:00
480-88814-10	W-151007-MB-55	Water	10/07/15 11:13	10/09/15 10:00
480-88814-11	W-151007-MB-56	Water	10/07/15 11:35	10/09/15 10:00
480-88814-12	W-151007-MB-57	Water	10/07/15 11:40	10/09/15 10:00
480-88814-13	W-151007-MB-58	Water	10/07/15 11:50	10/09/15 10:00
480-88814-14	W-151007-MB-59	Water	10/07/15 13:10	10/09/15 10:00
480-88814-15	W-151007-MB-60	Water	10/07/15 13:15	10/09/15 10:00
480-88814-16	W-151007-MB-61	Water	10/07/15 13:18	10/09/15 10:00
480-88814-17	W-151007-MB-62	Water	10/07/15 13:18	10/09/15 10:00
480-88814-18	W-151007-MB-63	Water	10/07/15 13:33	10/09/15 10:00
480-88814-19	W-151007-MB-64	Water	10/07/15 14:00	10/09/15 10:00
480-88814-20	W-151007-MB-65	Water	10/07/15 14:02	10/09/15 10:00
480-88814-21	W-151007-MB-66	Water	10/07/15 14:05	10/09/15 10:00
480-88814-22	W-151007-MB-67	Water	10/07/15 14:10	10/09/15 10:00
480-88814-23	W-151007-MB-68	Water	10/07/15 14:40	10/09/15 10:00
480-88814-24	W-151007-MB-69	Water	10/07/15 14:45	10/09/15 10:00
480-88814-25	W-151007-MB-70	Water	10/07/15 14:50	10/09/15 10:00
480-88814-26	W-151008-MB-71	Water	10/08/15 09:42	10/09/15 10:00
480-88814-27	W-151008-MB-72	Water	10/08/15 10:00	10/09/15 10:00
480-88814-28	W-151008-MB-73	Water	10/08/15 11:47	10/09/15 10:00
480-88814-29	W-151008-MB-74	Water	10/08/15 11:43	10/09/15 10:00
480-88814-30	W-151008-MB-75	Water	10/08/15 12:20	10/09/15 10:00
480-88814-31	W-151008-MB-76	Water	10/08/15 12:28	10/09/15 10:00
480-88814-32	W-151008-MB-77	Water	10/08/15 12:57	10/09/15 10:00
480-88814-33	W-151008-MB-78	Water	10/08/15 12:59	10/09/15 10:00
480-88814-34	W-151008-MB-79	Water	10/08/15 13:10	10/09/15 10:00
480-88814-35	TRIP BLANK	Water	10/08/15 00:00	10/09/15 10:00
480-88814-36	8 WSR	Water	10/07/15 09:15	10/09/15 10:00
480-88814-37	8 WSR DUP	Water	10/07/15 09:15	10/09/15 10:00
480-88814-38	50E0	Water	10/07/15 09:50	10/09/15 10:00
480-88814-39	15 DUCK PASS	Water	10/07/15 10:15	10/09/15 10:00

Detection Limit Exceptions Summary

Client: GHD Services Inc.
Project/Site: 002012, Highway 96 Landfill

TestAmerica Job ID: 480-88814-1

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but great than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedure do not indicate corrective action for detections below the laboratory's PQL.

Method	Matrix	Analyte	Units	Client RL	Lab PQL
524.2	Water	Trichloroethene	ug/L	0.20	0.5
524.2	Water	Vinyl chloride	ug/L	0.20	0.5

CHD SERVICES INC
~~CONESTOGA-ROVERS & ASSOCIATES~~

CHAIN OF CUSTODY RECORD

1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

COC NO.: SP-01758
PAGE 1 OF 3
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 002012	Laboratory Name: TEST AMERICA	Lab Location: BUFFALO, NY	SSOW ID: 002012-RW-001rev
Project Name: HWY 96	Lab Contact: MELISSA DEYO	Lab Quote No:	Cooler No: 1 of 2
Project Location: NORTH OAKS, MN			Carrier: FED EX
Chemistry Contact: GRANT ANDERSON 651-6340913			Airbill No:
Sampler(s): M. BARNES			Date Shipped: 10/08/15

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOC (524.2) STANDARD LIST	524.2 MDL *	CHLORIDE (300.0A)	MS/MSD Request	Comments/ Special Instructions:
1	W-151007-MB-46	10/7/15	08:45	WG	G	1	3							4	X	X	X		
2	W-151007-MB-47	10/7/15	09:20	WG	G	1	3							4	X	X	X		
3	W-151007-MB-48	10/7/15	09:26	WG	G	1	3							4	X	X	X		
	W-151007-MB-49	10/7/15	09:32	WG	G	1	3							4	X	X	X		
	W-151007-MB-50	10/7/15	10:03	WG	G	1	3							4	X	X	X		
	W-151007-MB-51	10/7/15	10:04	WG	G	1	3							4	X	X	X		
	W-151007-MB-52	10/7/15	10:07	WG	G	1	3							4	X	X	X		
	W-151007-MB-53	10/7/15	10:10	WG	G	1	3							4	X	X	X		
9	W-151007-MB-54	10/7/15	10:40	WG	G	3	9							12	X	X	X	X	
10	W-151007-MB-55	10/7/15	11:13	WG	G	1	3							4	X	X	X		
11	W-151007-MB-56	10/7/15	11:35	WG	G	1	3							4	X	X	X		
12	W-151007-MB-57	10/7/15	11:40	WG	G	1	3							4	X	X	X		
13	W-151007-MB-58	10/7/15	11:50	WG	G	1	3							4	X	X	X		
14	W-151007-MB-59	10/7/15	13:00	WG	G	1	3							4	X	X	X		
15	W-151007-MB-60	10/7/15	13:15	WG	G	1	3							4	X	X	X		

480-88814 Chain of Custody

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other: STANDARD

Total Number of Containers:
All Samples in Cooler must be on COC

Notes/ Special Requirements: TCE RL WILL BE 0.2ug/L
* VC, 11DCA, and cis-1,2DCE will be REPORTED TO MDL (J' VALUES)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. Michael Ritchie	CHD	10/8/15	16:00	1. [signature]		10/9/15	1000
2.				2.			
3.				3.	7.8 #1		

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Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10A (20110804)

GHD SERVICES INC.
~~CONESTOGA-ROVERS & ASSOCIATES~~

CHAIN OF CUSTODY RECORD

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St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

COC NO. SP-01759
PAGE 2 OF 3
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 002012	Laboratory Name: TEST AMERICA	Lab Location: BUFFALO, NY	SSOW ID: 002012-RW-001 rev1
Project Name: HWY 96	Lab Contact: MELISSA DEYO	Lab Quote No:	Cooler No: 1 of 2
Project Location: NORTH OAKS, MN			Carrier: FED EX
Chemistry Contact: GRANT ANDERSON			Airbill No:
Sampler(s): M. BARNES ; M. RICHTE			Date Shipped: 10/08/15

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOC (524.2) SIM 1,4-DIOXANE	524.2 MOD	CHLORIDE (300.0)							MS/MSD Request	Comments/ Special Instructions:
1	W-151007-MB-61	10/7/15	13:18	WG	G	1	3							4	X	X	X								
2	W-151007-MB-62	10/7/15	13:18	WG	G	1	3							4	X	X	X								
3	W-151007-MB-63	10/7/15	13:33	WG	G	1	3							4	X	X	X								
4	W-151007-MB-64	10/7/15	14:00	WG	G	1	3							4	X	X	X								
5	W-151007-MB-65	10/7/15	14:02	WG	G	1	3							4	X	X	X								
6	W-151007-MB-66	10/7/15	14:05	WG	G	1	3							4	X	X	X								
7	W-151007-MB-67	10/7/15	14:10	WG	G	1	3							4	X	X	X								
8	W-151007-MB-68	10/7/15	14:40	WG	G	1	3							4	X	X	X								
9	W-151007-MB-69	10/7/15	14:45	WG	G	1	3							4	X	X	X								
10	W-151007-MB-70	10/7/15	14:50	WG	G	1	3							4	X	X	X								
11	W-151006-MB-71	10/6/15	09:42	WG	G	3	9							12	X	X	X							X	
12	W-151006-MB-72	10/6/15	10:00	WG	G	1	3							4	X	X	X								
13	W-151006-MB-73	10/6/15	11:47	WG	G	1	3							4	X	X	X								
14	W-151006-MB-74	10/6/15	11:43	WG	G	1	3							4	X	X	X								
15	W-151006-MB-75	10/6/15	12:20	WG	G	1	3							4	X	X	X								

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other: STANDARD

Total Number of Containers: 60

All Samples in Cooler must be on COC

Notes/ Special Requirements: TCE RL WILL BE 0.249/L
1,4-DIOXANE, CIS-1,2 DCE WILL BE REPORTED TO MDL.
(3 VALVES).

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. M. Richte	GHD	10/6/15	16:00	1. [illegible]	[illegible]	10/6/15	1000
2.				2.			
3.				3.	218 #1		

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CRA Form: COC-10A (20110804)

GHD SERVICES INC.
CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

COC NO.: SP-01760
PAGE 3 OF 3
(See Reverse Side for Instructions)

Project No/ Phase/Task Code: 002012
Project Name: HWY 96
Project Location: NORTH OAKS, MN
Chemistry Contact: GRANT ANDERSON 651-639-0913
Sampler(s): M. RICHIE

Laboratory Name: TEST AMERICA
Lab Contact: MELISSA DEYO
Lab Location: BUFFALO, NY
Lab Quote No:
SSOW ID: 002012-RW-001 rev
Cooler No: 1 of 2
Carrier: FED EX
Airbill No:
Date Shipped: 10/16/15

Item	Sample Identification (Containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	VOC (524.2 STANDARD)	524.2 MDL	CHLORIDE (300.0)							MS/MSD Request	Comments/ Special Instructions:
1	W-151006-MB-76	10/6/15	12:25	WG	G	1	3							4	X	X	X								
2	W-151006-MB-77	10/6/15	12:57	WG	G	1	3							4	X	X	X								
3	W-151006-MB-78	10/6/15	12:59	WG	G	1	3							4	X	X	X								
4	W-151006-MB-79	10/6/15	13:10	WG	G	1	3							4	X	X	X								
5	TRIP BLANK	10/6/15	—	TB	G		2							2	X	X									
6	8 WSR	10/7/15	09:15	WG	G	1	3							4	X	X	X								
7	8 WSR DUP	10/7/15	09:15	WG	G	1	3							4	X	X	X								
8	50 EO	10/7/15	09:50	WG	G	1	3							4	X	X	X								
9	15 DUCK PASS	10/7/15	10:15	WG	G	1	3							4	X	X	X								
10																									
11																									
12																									
13																									
14																									
15																									

TAT Required in business days (use separate COCs for different TATs):
☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☒ 2 Week ☐ Other: STANDARD

Total Number of Containers: 302
All Samples in Cooler must be on COC

Notes/ Special Requirements: TCE RL WILL BE 0.2ug/L & VC, 11DLA, and CCl 12DCE WILL BE REPORTED TO MDL (w/ VALUES).

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1. M. Richie	GHD	10/8/15	16:00	1. [illegible]	—	10/9/15	1000
2.				2.			
3.				3.	2.8 °C		

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Distribution: WHITE — Fully Executed Copy (CRA) YELLOW — Receiving Laboratory Copy PINK — Shipper GOLDENROD — Sampling Crew

CRA Form: COC-10A (20110804)

Login Sample Receipt Checklist

Client: GHD Services Inc.

Job Number: 480-88814-1

Login Number: 88814
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GHD
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Attachment B
Data Quality Assessment and Validation Memorandum

Memorandum

To:	Michael Richie, GHD	Ref. No.:	002012
From:	Grant Anderson/sb/16	Date:	November 24, 2015
cc:	Sarah Illi, GHD		

Re: Analytical Results and Reduced Validation
Highway 96 Site
Residential Well Sampling
White Bear Lake, Minnesota
October 2015

1. Introduction

The following document details a reduced validation of analytical results for residential well samples collected in support of the residential well sampling event at the Highway 96 Site in October 2015. Samples were submitted to TestAmerica Laboratories, Inc. (TestAmerica), located in Buffalo, New York. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD Services Inc. (GHD) report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes, laboratory control samples (LCS), matrix spikes (MS), and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical methods referenced in Table 3 and applicable guidance from the documents entitled:

i) "Response Action Plan Quality Assurance Project Plan (QAPP)"; May 1994, Conestoga-Rovers & Associates, Report 30.

ii) "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review", United States Environmental Protection Agency (USEPA) 540/R-99-008, October 1999

iii) "USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review", USEPA 540/R-94-013, February 1994

Items ii) and iii) will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding times.

All samples were properly preserved, delivered on ice, and stored by the laboratories at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

Laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries - Organic Analyses

In accordance with the methods employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed per the "Guidelines" and were within laboratory control limits, indicating individual sample performance was adequate.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

Organic Analyses

The LCS contained all compounds of interest. LCS recoveries were assessed per the "Guidelines". Bromomethane and methylene chloride yielded high recoveries. However, associated sample results were non-detect; therefore, no qualification of data was necessary based on outlying LCS recoveries.

Inorganic Analyses

The LCS contained all analytes of interest. LCS recoveries were assessed per the "Guidelines" and were within the laboratory control limits, demonstrating acceptable analytical accuracy.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original investigative sample result for any analyte is significantly greater than the associated spike concentration, the recovery and RPD for that analyte are not assessed.

MS/MSD analyses were performed as specified in Table 1. The laboratory performed additional site-specific MS/MSD analyses internally.

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. The percent recoveries and RPD values were evaluated using the "Guidelines" and, with the exception of bromomethane, chloroethane and vinyl chloride results associated with one MS/MSD sample, all percent recoveries and RPD values were within acceptable criteria. Table 4 lists outlying MS/MSD results. Associated sample data are qualified as noted in Table 4.

Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest. The percent recoveries and RPD values were evaluated using the "Guidelines" and were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

7. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples (VOCs), seven field blank samples (per parameter), and seven field duplicate sample sets (per parameter).

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blank samples were submitted to the laboratories for volatile organic compound (VOC) analysis, as identified in Table 1. The trip blanks each yielded a detectable concentration of methylene chloride. However, all associated samples were reported to be non-detect for methylene chloride. Therefore, no qualification of data was necessary based on compounds detected in the trip blanks.

Field Blank Sample Analysis

To assess ambient conditions at the Site, seven field blanks per parameter were submitted for analysis, as identified in Table 1. All VOC results were non-detect for the analytes of interest. The field blanks yielded detectable concentrations of chloride. However, it was determined that the water used for the field blank

samples was not "chloride free" water; therefore, no qualification of chloride data was warranted as it was inherent in the water used for field blanks and not from the ambient conditions.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, seven field duplicate sample sets per parameter were collected and submitted "blind" to the laboratories, as specified in Table 1.

If both sample results associated with the field duplicate sample set are detects greater than five times the reporting limit (RL), the RPD must be less than 50 percent. If one of the sample results associated with the field duplicate sample set is non-detect, the RPD must be less than 50 percent (using the RL in place of the non-detect result to calculate the RPD). If any reported concentration in the field duplicate sample set is between one times the RL and five times the RL, the difference between the results must be less than one times the RL value (using the RL in place of the non-detect result to calculate the difference). If any reported concentration in the field duplicate sample set is less than the RL, the difference between the results must be less than one times the method detection limit (MDL) value (using the MDL in place of the non-detect result to calculate the difference).

All field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

VOCs (524.2)

TestAmerica - Buffalo reported detected results down to the laboratory's MDL for a select list of VOC analytes, as approved by the Minnesota Pollution Control Agency (MPCA). This list includes: 1,1-dichloroethane, cis-1,2-dichloroethene and vinyl chloride. Positive analyte detections less than the quantitation limit (i.e., RL) but greater than the MDL were qualified as estimated (J) unless qualified otherwise in this memorandum. The remaining VOC analytes were reported down to the laboratory RL. Non-detect results were presented as non-detect at the laboratory RL.

Chloride (300.0)

TestAmerica - Buffalo reported detected results down to the laboratory RL. Non-detect results were presented as non-detect at the laboratory RL.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

Table 1

Sample Collection and Analysis Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters	Comments
W-151005-MB-01	35ROBFRD	water	10/05/2015	10:10:00	VOC (524.2), chloride	
W-151005-MB-02	35ROBFRD	water	10/05/2015	10:11:00	VOC (524.2), chloride	duplicate (MB-01)
W-151005-MB-03	37ROBFRD	water	10/05/2015	10:35:00	VOC (524.2), chloride	
W-151005-MB-04	41ROBFRD	water	10/05/2015	10:36:00	VOC (524.2), chloride	field blank
W-151005-MB-05	41ROBFRD	water	10/05/2015	10:41:00	VOC (524.2), chloride	
W-151005-MB-06	43ROBFRD	water	10/05/2015	10:48:00	VOC (524.2), chloride	
W-151005-MB-07	45ROBFRD	water	10/05/2015	11:20:00	VOC (524.2), chloride	
W-151005-MB-08	2WSHORE	water	10/05/2015	11:26:00	VOC (524.2), chloride	
W-151005-MB-09	2HERONLNNEW	water	10/05/2015	11:55:00	VOC (524.2), chloride	MS/MSD
W-151005-MB-10	1WSHORE	water	10/05/2015	12:00:00	VOC (524.2), chloride	
W-151005-MB-11	3WSHORE	water	10/05/2015	12:05:00	VOC (524.2), chloride	
W-151005-MB-12	5WSHORE	water	10/05/2015	12:45:00	VOC (524.2), chloride	
W-151005-MB-13	6WSHORE	water	10/05/2015	12:50:00	VOC (524.2), chloride	
W-151005-MB-14	6WSHORE	water	10/05/2015	12:51:00	VOC (524.2), chloride	duplicate (MB-13)
W-151005-MB-15	9WSHORE	water	10/05/2015	13:00:00	VOC (524.2), chloride	
W-151005-MB-16	2BIRCHLN	water	10/05/2015	14:00:00	VOC (524.2), chloride	field blank
W-151005-MB-17	2BIRCHLN	water	10/05/2015	14:05:00	VOC (524.2), chloride	
W-151005-MB-18	3BIRCHLN	water	10/05/2015	14:13:00	VOC (524.2), chloride	
W-151005-MB-19	1BIRCHLN	water	10/05/2015	14:18:00	VOC (524.2), chloride	
W-151005-MB-20	11WSHORE	water	10/05/2015	14:54:00	VOC (524.2), chloride	
W-151005-MB-21	10WSHORE	water	10/05/2015	15:00:00	VOC (524.2), chloride	
W-151005-MB-22	15WSHORE	water	10/05/2015	15:03:00	VOC (524.2), chloride	
W-151005-MB-23	10POPLLN	water	10/05/2015	15:06:00	VOC (524.2), chloride	
W-151005-MB-24	38EOAK	water	10/05/2015	15:40:00	VOC (524.2), chloride	
W-151006-MB-25	3QUAILLN	water	10/06/2015	10:20:00	VOC (524.2), chloride	
W-151006-MB-26	3QUAILLN	water	10/06/2015	10:21:00	VOC (524.2), chloride	duplicate (MB-25)
W-151006-MB-27	1QUAILLN	water	10/06/2015	10:24:00	VOC (524.2), chloride	
W-151006-MB-28	3THOMPSNLN	water	10/06/2015	10:30:00	VOC (524.2), chloride	
W-151006-MB-29	3THOMPSNLN	water	10/06/2015	10:38:00	VOC (524.2), chloride	field blank
W-151006-MB-30	4SKILN	water	10/06/2015	11:13:00	VOC (524.2), chloride	
W-151006-MB-31	6SKILN	water	10/06/2015	11:18:00	VOC (524.2), chloride	
W-151006-MB-32	8SKILN	water	10/06/2015	11:25:00	VOC (524.2), chloride	MS/MSD

Table 1

Sample Collection and Analysis Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters	Comments
W-151006-MB-33	10SKILN	water	10/06/2015	11:59:00	VOC (524.2), chloride	
W-151006-MB-34	14SKILN	water	10/06/2015	12:02:00	VOC (524.2), chloride	
W-151006-MB-35	16SKILN	water	10/06/2015	12:10:00	VOC (524.2), chloride	
W-151006-MB-36	3BUFFALO	water	10/06/2015	12:40:00	VOC (524.2), chloride	
W-151006-MB-37	1BUFFALO	water	10/06/2015	12:45:00	VOC (524.2), chloride	
W-151006-MB-38	1BUFFALO	water	10/06/2015	12:46:00	VOC (524.2), chloride	duplicate (MB-37)
W-151006-MB-39	1EAGLERDG	water	10/06/2015	12:53:00	VOC (524.2), chloride	
W-151006-MB-40	1THOMPSNLN	water	10/06/2015	14:40:00	VOC (524.2), chloride	
W-151006-MB-41	4THOMPSNLN	water	10/06/2015	15:08:00	VOC (524.2), chloride	
W-151006-MB-42	2EAGLERDG	water	10/06/2015	15:14:00	VOC (524.2), chloride	
W-151006-MB-43	4EAGLERDG	water	10/06/2015	15:20:00	VOC (524.2), chloride	
W-151006-MB-44	4EAGLERDG	water	10/06/2015	15:18:00	VOC (524.2), chloride	field blank
W-151006-MB-45	6EAGLERDG	water	10/06/2015	15:25:00	VOC (524.2), chloride	
W-151007-MB-46	44ROBFRD	water	10/07/2015	08:45:00	VOC (524.2), chloride	
W-151007-MB-47	8POPLLN	water	10/07/2015	09:20:00	VOC (524.2), chloride	
W-151007-MB-48	6POPLLN	water	10/07/2015	09:26:00	VOC (524.2), chloride	
W-151007-MB-49	4POPLLN	water	10/07/2015	09:32:00	VOC (524.2), chloride	
W-151007-MB-50	1POPLLN	water	10/07/2015	10:03:00	VOC (524.2), chloride	
W-151007-MB-51	1POPLLN	water	10/07/2015	10:04:00	VOC (524.2), chloride	duplicate (MB-50)
W-151007-MB-52	3POPLLN	water	10/07/2015	10:07:00	VOC (524.2), chloride	field blank
W-151007-MB-53	3POPLLN	water	10/07/2015	10:10:00	VOC (524.2), chloride	
W-151007-MB-54	12SKILN	water	10/07/2015	10:40:00	VOC (524.2), chloride	MS/MSD
W-151007-MB-55	2CARDINAL	water	10/07/2015	11:13:00	VOC (524.2), chloride	
W-151007-MB-56	10EAGLERDG	water	10/07/2015	11:35:00	VOC (524.2), chloride	
W-151007-MB-57	36EOAK	water	10/07/2015	11:40:00	VOC (524.2), chloride	
W-151007-MB-58	32EOAK	water	10/07/2015	11:50:00	VOC (524.2), chloride	
W-151007-MB-59	3GADWALL	water	10/07/2015	13:10:00	VOC (524.2), chloride	
W-151007-MB-60	1GADWALL	water	10/07/2015	13:15:00	VOC (524.2), chloride	
W-151007-MB-61	2GADWALL	water	10/07/2015	13:18:00	VOC (524.2), chloride	
W-151007-MB-62	2GADWALL	water	10/07/2015	13:18:00	VOC (524.2), chloride	duplicate (MB-61)
W-151007-MB-63	4GADWALL	water	10/07/2015	13:33:00	VOC (524.2), chloride	
W-151007-MB-64	28DUCKPR	water	10/07/2015	14:00:00	VOC (524.2), chloride	

Table 1

Sample Collection and Analysis Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters	Comments
W-151007-MB-65	28DUCKPR	water	10/07/2015	14:02:00	VOC (524.2), chloride	field blank
W-151007-MB-66	26DUCKPR	water	10/07/2015	14:05:00	VOC (524.2), chloride	
W-151007-MB-67	13DUCKPR	water	10/07/2015	14:10:00	VOC (524.2), chloride	
W-151007-MB-68	24DUCKPR	water	10/07/2015	14:40:00	VOC (524.2), chloride	
W-151007-MB-69	11DUCKPR	water	10/07/2015	14:45:00	VOC (524.2), chloride	
W-151007-MB-70	22DUCKPR	water	10/07/2015	14:50:00	VOC (524.2), chloride	
W-151008-MB-71	9DUCKPR	water	10/08/2015	09:42:00	VOC (524.2), chloride	MS/MSD
W-151008-MB-72	20DUCKPR	water	10/08/2015	10:00:00	VOC (524.2), chloride	
W-151008-MB-73	6MALRDLN	water	10/08/2015	11:47:00	VOC (524.2), chloride	
W-151008-MB-74	3MALRDLN	water	10/08/2015	11:43:00	VOC (524.2), chloride	
W-151008-MB-75	5MALRDLN	water	10/08/2015	12:20:00	VOC (524.2), chloride	
W-151008-MB-76	7MALRDLN	water	10/08/2015	12:28:00	VOC (524.2), chloride	
W-151008-MB-77	1ROBFRD	water	10/08/2015	12:57:00	VOC (524.2), chloride	field blank
W-151008-MB-78	1ROBFRD	water	10/08/2015	12:59:00	VOC (524.2), chloride	
W-151008-MB-79	2ROBFRD	water	10/08/2015	13:10:00	VOC (524.2), chloride	
15 DUCK PASS	15DUCKPR	water	10/07/2015	10:15:00	VOC (524.2), chloride	
50E0	50EOAK	water	10/07/2015	09:50:00	VOC (524.2), chloride	
8 WSR	8WSHORE	water	10/07/2015	09:15:00	VOC (524.2), chloride	
8 WSR DUP	8WSHORE	water	10/07/2015	09:15:00	VOC (524.2), chloride	duplicate (8 WSR)
TRIP BLANK	Trip Blank	water	10/05/2015	00:00:00	VOC (524.2)	Trip Blank
TRIP BLANK	Trip Blank	water	10/08/2015	00:00:00	VOC (524.2)	Trip Blank

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**10EAGLERDG**	**10POPLLN**	**10SKILN**	**10WSHORE**	**11DUCKPR**	**11WSHORE**	**12SKILN**	**13DUCKPR**	**14SKILN**	**15DUCKPR**	**15WSHORE**	**16SKILN**
Sample ID:		**W-151007-MB-56**	**W-151005-MB-23**	**W-151006-MB-33**	**W-151005-MB-21**	**W-151007-MB-69**	**W-151005-MB-20**	**W-151007-MB-54**	**W-151007-MB-67**	**W-151006-MB-34**	**15 DUCK PASS**	**W-151005-MB-22**	**W-151006-MB-35**
Sample Date:		**10/7/2015**	**10/5/2015**	**10/6/2015**	**10/5/2015**	**10/7/2015**	**10/5/2015**	**10/7/2015**	**10/7/2015**	**10/6/2015**	**10/7/2015**	**10/5/2015**	**10/6/2015**
Sample Type:		**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane (Methyl bromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform (Trichloromethane)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane (Methyl chloride)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.13 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane (CFC-12)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Iodomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropyl benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Naphthalene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**10EAGLERDG**	**10POPLLN**	**10SKILN**	**10WSHORE**	**11DUCKPR**	**11WSHORE**	**12SKILN**	**13DUCKPR**	**14SKILN**	**15DUCKPR**	**15WSHORE**	**16SKILN**
Sample ID:		**W-151007-MB-56**	**W-151005-MB-23**	**W-151006-MB-33**	**W-151005-MB-21**	**W-151007-MB-69**	**W-151005-MB-20**	**W-151007-MB-54**	**W-151007-MB-67**	**W-151006-MB-34**	**15 DUCK PASS**	**W-151005-MB-22**	**W-151006-MB-35**
Sample Date:		**10/7/2015**	**10/5/2015**	**10/6/2015**	**10/5/2015**	**10/7/2015**	**10/5/2015**	**10/7/2015**	**10/7/2015**	**10/6/2015**	**10/7/2015**	**10/5/2015**	**10/6/2015**
Sample Type:		**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
tert-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC-11)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrichloroethane (CFC-113)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trihalomethanes	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl acetate	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Wet													
Chloride	mg/L	14.4	15.8	28.1	26.9	102	40.9	41.9	23.4	31.5	24.2	33.7	31.9

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**1BIRCHLN**	**1BUFFALO**	**1BUFFALO**	**1EAGLERDG**	**1GADWALL**	**1POPLLN**	**1POPLLN**	**1QUAILLN**	**1ROBFRD**	**1ROBFRD**	**1THOMPSNLN**	**1WSHORE**
Sample ID:		**W-151005-MB-19**	**W-151006-MB-37**	**W-151006-MB-38**	**W-151006-MB-39**	**W-151007-MB-60**	**W-151007-MB-50**	**W-151007-MB-51**	**W-151006-MB-27**	**W-151008-MB-77**	**W-151008-MB-78**	**W-151006-MB-40**	**W-151005-MB-10**
Sample Date:		**10/5/2015**	**10/6/2015**	**10/6/2015**	**10/6/2015**	**10/7/2015**	**10/7/2015**	**10/7/2015**	**10/6/2015**	**10/8/2015**	**10/8/2015**	**10/6/2015**	**10/5/2015**
Sample Type:		**N**	**N**	**FD**	**N**	**N**	**N**	**FD**	**N**	**FB**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane (Methyl bromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform (Trichloromethane)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane (Methyl chloride)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane (CFC-12)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0	0.50 U
Dichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Iodomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropyl benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Naphthalene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**1BIRCHLN**	**1BUFFALO**	**1BUFFALO**	**1EAGLERDG**	**1GADWALL**	**1POPLLN**	**1POPLLN**	**1QUAILLN**	**1ROBFRD**	**1ROBFRD**	**1THOMPSNLN**	**1WSHORE**
Sample ID:		**W-151005-MB-19**	**W-151006-MB-37**	**W-151006-MB-38**	**W-151006-MB-39**	**W-151007-MB-60**	**W-151007-MB-50**	**W-151007-MB-51**	**W-151006-MB-27**	**W-151008-MB-77**	**W-151008-MB-78**	**W-151006-MB-40**	**W-151005-MB-10**
Sample Date:		**10/5/2015**	**10/6/2015**	**10/6/2015**	**10/6/2015**	**10/7/2015**	**10/7/2015**	**10/7/2015**	**10/6/2015**	**10/8/2015**	**10/8/2015**	**10/6/2015**	**10/5/2015**
Sample Type:		**N**	**N**	**FD**	**N**	**N**	**N**	**FD**	**N**	**FB**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
tert-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC-11)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrichloroethane (CFC-113)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trihalomethanes	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl acetate	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Wet													
Chloride	mg/L	6.0	30.3	30.5	17.2	31.3	1.4	1.4	28.5	23.6	1.0	31.0	41.6

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**20DUCKPR**	**22DUCKPR**	**24DUCKPR**	**26DUCKPR**	**28DUCKPR**	**28DUCKPR**	**2BIRCHLN**	**2BIRCHLN**	**2CARDINAL**	**2EAGLERDG**	**2GADWALL**	**2GADWALL**
Sample ID:		**W-151008-MB-72**	**W-151007-MB-70**	**W-151007-MB-68**	**W-151007-MB-66**	**W-151007-MB-64**	**W-151007-MB-65**	**W-151005-MB-16**	**W-151005-MB-17**	**W-151007-MB-55**	**W-151006-MB-42**	**W-151007-MB-61**	**W-151007-MB-62**
Sample Date:		**10/8/2015**	**10/7/2015**	**10/7/2015**	**10/7/2015**	**10/7/2015**	**10/7/2015**	**10/5/2015**	**10/5/2015**	**10/7/2015**	**10/6/2015**	**10/7/2015**	**10/7/2015**
Sample Type:		**N**	**N**	**N**	**N**	**N**	**FB**	**FB**	**N**	**N**	**N**	**N**	**FD**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.62	1.8	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane (Methyl bromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform (Trichloromethane)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane (Methyl chloride)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane (CFC-12)	ug/L	1.1	1.8	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorofluoromethane	ug/L	0.60	0.96	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Iodomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropyl benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Naphthalene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**20DUCKPR**	**22DUCKPR**	**24DUCKPR**	**26DUCKPR**	**28DUCKPR**	**28DUCKPR**	**2BIRCHLN**	**2BIRCHLN**	**2CARDINAL**	**2EAGLERDG**	**2GADWALL**	**2GADWALL**
Sample ID:		**W-151008-MB-72**	**W-151007-MB-70**	**W-151007-MB-68**	**W-151007-MB-66**	**W-151007-MB-64**	**W-151007-MB-65**	**W-151005-MB-16**	**W-151005-MB-17**	**W-151007-MB-55**	**W-151006-MB-42**	**W-151007-MB-61**	**W-151007-MB-62**
Sample Date:		**10/8/2015**	**10/7/2015**	**10/7/2015**	**10/7/2015**	**10/7/2015**	**10/7/2015**	**10/5/2015**	**10/5/2015**	**10/7/2015**	**10/6/2015**	**10/7/2015**	**10/7/2015**
Sample Type:		**N**	**N**	**N**	**N**	**N**	**FB**	**FB**	**N**	**N**	**N**	**N**	**FD**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
tert-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC-11)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrichloroethane (CFC-113)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trihalomethanes	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl acetate	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Wet													
Chloride	mg/L	42.4	42.8	7.7	28.4	64.6	23.8	24.3	14.0	23.6	33.4	26.3	26.3

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**2HERONLNNEW**	**2ROBFRD**	**2WSHORE**	**32EOAK**	**35ROBFRD**	**35ROBFRD**	**36EOAK**	**37ROBFRD**	**38EOAK**	**3BIRCHLN**	**3BUFFALO**	**3GADWALL**
Sample ID:		**W-151005-MB-09**	**W-151008-MB-79**	**W-151005-MB-08**	**W-151007-MB-58**	**W-151005-MB-01**	**W-151005-MB-02**	**W-151007-MB-57**	**W-151005-MB-03**	**W-151005-MB-24**	**W-151005-MB-18**	**W-151006-MB-36**	**W-151007-MB-59**
Sample Date:		**10/5/2015**	**10/8/2015**	**10/5/2015**	**10/7/2015**	**10/5/2015**	**10/5/2015**	**10/7/2015**	**10/5/2015**	**10/5/2015**	**10/5/2015**	**10/6/2015**	**10/7/2015**
Sample Type:		**N**	**N**	**N**	**N**	**N**	**FD**	**N**	**N**	**N**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane (Methyl bromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform (Trichloromethane)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane (Methyl chloride)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane (CFC-12)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Iodomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropyl benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Naphthalene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**2HERONLNNEW**	**2ROBFRD**	**2WSHORE**	**32EOAK**	**35ROBFRD**	**35ROBFRD**	**36EOAK**	**37ROBFRD**	**38EOAK**	**3BIRCHLN**	**3BUFFALO**	**3GADWALL**
Sample ID:		**W-151005-MB-09**	**W-151008-MB-79**	**W-151005-MB-08**	**W-151007-MB-58**	**W-151005-MB-01**	**W-151005-MB-02**	**W-151007-MB-57**	**W-151005-MB-03**	**W-151005-MB-24**	**W-151005-MB-18**	**W-151006-MB-36**	**W-151007-MB-59**
Sample Date:		**10/5/2015**	**10/8/2015**	**10/5/2015**	**10/7/2015**	**10/5/2015**	**10/5/2015**	**10/7/2015**	**10/5/2015**	**10/5/2015**	**10/5/2015**	**10/6/2015**	**10/7/2015**
Sample Type:		**N**	**N**	**N**	**N**	**N**	**FD**	**N**	**N**	**N**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
tert-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC-11)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrichloroethane (CFC-113)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trihalomethanes	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl acetate	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Wet													
Chloride	mg/L	17.8	14.3	47.8	30.5	52.2	52.2	23.0	6.7	2.0	5.9	33.1	24.1

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**3MALRDLN**	**3POPLLN**	**3POPLLN**	**3QUAILLN**	**3QUAILLN**	**3THOMPSNLN**	**3THOMPSNLN**	**3WSHORE**	**41ROBFRD**	**41ROBFRD**	**43ROBFRD**	**44ROBFRD**
Sample ID:		**W-151008-MB-74**	**W-151007-MB-52**	**W-151007-MB-53**	**W-151006-MB-25**	**W-151006-MB-26**	**W-151006-MB-28**	**W-151006-MB-29**	**W-151005-MB-11**	**W-151005-MB-04**	**W-151005-MB-05**	**W-151005-MB-06**	**W-151007-MB-46**
Sample Date:		**10/8/2015**	**10/7/2015**	**10/7/2015**	**10/6/2015**	**10/6/2015**	**10/6/2015**	**10/6/2015**	**10/5/2015**	**10/5/2015**	**10/5/2015**	**10/5/2015**	**10/7/2015**
Sample Type:		**N**	**fb**	**N**	**N**	**FD**	**N**	**FB**	**N**	**FB**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane (Methyl bromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform (Trichloromethane)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane (Methyl chloride)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane (CFC-12)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Iodomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropyl benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Naphthalene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**3MALRDLN**	**3POPLLN**	**3POPLLN**	**3QUAILLN**	**3QUAILLN**	**3THOMPSNLN**	**3THOMPSNLN**	**3WSHORE**	**41ROBFRD**	**41ROBFRD**	**43ROBFRD**	**44ROBFRD**
Sample ID:		**W-151008-MB-74**	**W-151007-MB-52**	**W-151007-MB-53**	**W-151006-MB-25**	**W-151006-MB-26**	**W-151006-MB-28**	**W-151006-MB-29**	**W-151005-MB-11**	**W-151005-MB-04**	**W-151005-MB-05**	**W-151005-MB-06**	**W-151007-MB-46**
Sample Date:		**10/8/2015**	**10/7/2015**	**10/7/2015**	**10/6/2015**	**10/6/2015**	**10/6/2015**	**10/6/2015**	**10/5/2015**	**10/5/2015**	**10/5/2015**	**10/5/2015**	**10/7/2015**
Sample Type:		**N**	**fb**	**N**	**N**	**FD**	**N**	**FB**	**N**	**FB**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
tert-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC-11)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrichloroethane (CFC-113)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trihalomethanes	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl acetate	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Wet													
Chloride	mg/L	15.7	24.0	23.9	23.5	23.5	50.9	22.9	5.1	24.2	3.4	27.8	29.4

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**45ROBFRD**	**4EAGLERDG**	**4EAGLERDG**	**4GADWALL**	**4POPLLN**	**4SKILN**	**4THOMPSNLN**	**50EOAK**	**5MALRDLN**	**5WSHORE**	**6EAGLERDG**	**6MALRDLN**
Sample ID:		**W-151005-MB-07**	**W-151006-MB-43**	**W-151006-MB-44**	**W-151007-MB-63**	**W-151007-MB-49**	**W-151006-MB-30**	**W-151006-MB-41**	**50E0**	**W-151008-MB-75**	**W-151005-MB-12**	**W-151006-MB-45**	**W-151008-MB-73**
Sample Date:		**10/5/2015**	**10/6/2015**	**10/6/2015**	**10/7/2015**	**10/7/2015**	**10/6/2015**	**10/6/2015**	**10/7/2015**	**10/8/2015**	**10/5/2015**	**10/6/2015**	**10/8/2015**
Sample Type:		**N**	**N**	**FB**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane (Methyl bromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform (Trichloromethane)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane (Methyl chloride)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.14 J	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane (CFC-12)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Iodomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropyl benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Naphthalene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**45ROBFRD**	**4EAGLERDG**	**4EAGLERDG**	**4GADWALL**	**4POPLLN**	**4SKILN**	**4THOMPSNLN**	**50EOAK**	**5MALRDLN**	**5WSHORE**	**6EAGLERDG**	**6MALRDLN**
Sample ID:		**W-151005-MB-07**	**W-151006-MB-43**	**W-151006-MB-44**	**W-151007-MB-63**	**W-151007-MB-49**	**W-151006-MB-30**	**W-151006-MB-41**	**50E0**	**W-151008-MB-75**	**W-151005-MB-12**	**W-151006-MB-45**	**W-151008-MB-73**
Sample Date:		**10/5/2015**	**10/6/2015**	**10/6/2015**	**10/7/2015**	**10/7/2015**	**10/6/2015**	**10/6/2015**	**10/7/2015**	**10/8/2015**	**10/5/2015**	**10/6/2015**	**10/8/2015**
Sample Type:		**N**	**N**	**FB**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs													
tert-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC-11)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrichloroethane (CFC-113)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trihalomethanes	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl acetate	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Wet													
Chloride	mg/L	23.1	25.1	22.8	34.9	22.9	34.6	103	39.5	2.4	7.5	59.4	2.9

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		6POPLLN	6SKILN	6WSHORE	6WSHORE	7MALRDLN	8POPLLN	8SKILN	8WSHORE	8WSHORE	9DUCKPR	9WSHORE	Trip Blank	Trip Blank
Sample ID:		W-151007-MB-48	W-151006-MB-31	W-151005-MB-13	W-151005-MB-14	W-151008-MB-76	W-151007-MB-47	W-151006-MB-32	8 WSR DUP	8 WSR	W-151008-MB-71	W-151005-MB-15	TRIP BLANK	TRIP BLANK
Sample Date:		10/7/2015	10/6/2015	10/5/2015	10/5/2015	10/8/2015	10/7/2015	10/6/2015	10/7/2015	10/7/2015	10/8/2015	10/5/2015	10/5/2015	10/8/2015
Sample Type:		N	N	N	FD	N	N	N	FD	N	N	N	TB	TB
Sample Depth:		-	-	-	-	-	-	-	-	-	-	-	-	-
VOAs														
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.65	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane (Ethylene dibromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone (Methyl ethyl ketone) (MEK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Phenylbutane (sec-Butylbenzene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Allyl chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane (Methyl bromide)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U
Carbon disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U
Chloroform (Trichloromethane)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane (Methyl chloride)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane (CFC-12)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.79	0.50 U	0.50 U	0.50 U
Dichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Iodomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropyl benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m&p-Xylenes	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.7	1.6
Naphthalene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 2

Validated Analytical Results Summary
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Sample Location:		**6POPLLN**	**6SKILN**	**6WSHORE**	**6WSHORE**	**7MALRDLN**	**8POPLLN**	**8SKILN**	**8WSHORE**	**8WSHORE**	**9DUCKPR**	**9WSHORE**	**Trip Blank**	**Trip Blank**
Sample ID:		**W-151007-MB-48**	**W-151006-MB-31**	**W-151005-MB-13**	**W-151005-MB-14**	**W-151008-MB-76**	**W-151007-MB-47**	**W-151006-MB-32**	**8 WSR DUP**	**8 WSR**	**W-151008-MB-71**	**W-151005-MB-15**	**TRIP BLANK**	**TRIP BLANK**
Sample Date:		**10/7/2015**	**10/6/2015**	**10/5/2015**	**10/5/2015**	**10/8/2015**	**10/7/2015**	**10/6/2015**	**10/7/2015**	**10/7/2015**	**10/8/2015**	**10/5/2015**	**10/5/2015**	**10/8/2015**
Sample Type:		**N**	**N**	**N**	**FD**	**N**	**N**	**N**	**FD**	**N**	**N**	**N**	**TB**	**TB**
Sample Depth:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
VOAs														
tert-Butylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,4-Dichloro-2-butene	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichlorofluoromethane (CFC-11)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrichloroethane (CFC-113)	ug/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trihalomethanes	ug/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl acetate	ug/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	ug/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ	0.20 U	0.20 U	0.20 U
Xylenes (total)	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Wet														
Chloride	mg/L	5.0	27.6	5.0	5.0	9.1	34.4	21.3	6.9	6.9	36.3	20.0	--	--

Notes:

U	- Not detected at the associated reporting limit
J	- Estimated concentration
UJ	- Estimated reporting limit
FD	- Field duplicate
FB	- Field blank

Table 3

Analytical Methods and Holding Time Criteria
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

Parameter	Method	Matrix	Preservation	Holding Time	
				Collection to Extraction (Days)	Collection or Extraction to Analysis (Days)
VOC	EPA 524.2	Water	pH < 2 and Iced, 4 ± 2° C	-	14
Chloride	EPA 300.0	Water	Iced, 4 ± 2° C	-	28

Notes:

EPA 524.2 - "Methods for the Determination of Organic Compounds in Drinking Water", EPA/600/4-88/039, December 1988 and its supplement

EPA 300.0 - "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

Table 4

Qualified Sample Results Due to Outlying Matrix Spike/Matrix Spike Duplicate Results
Residential Well Sampling Event
Highway 96 Landfill Site
White Bear Lake, Minnesota
October 2015

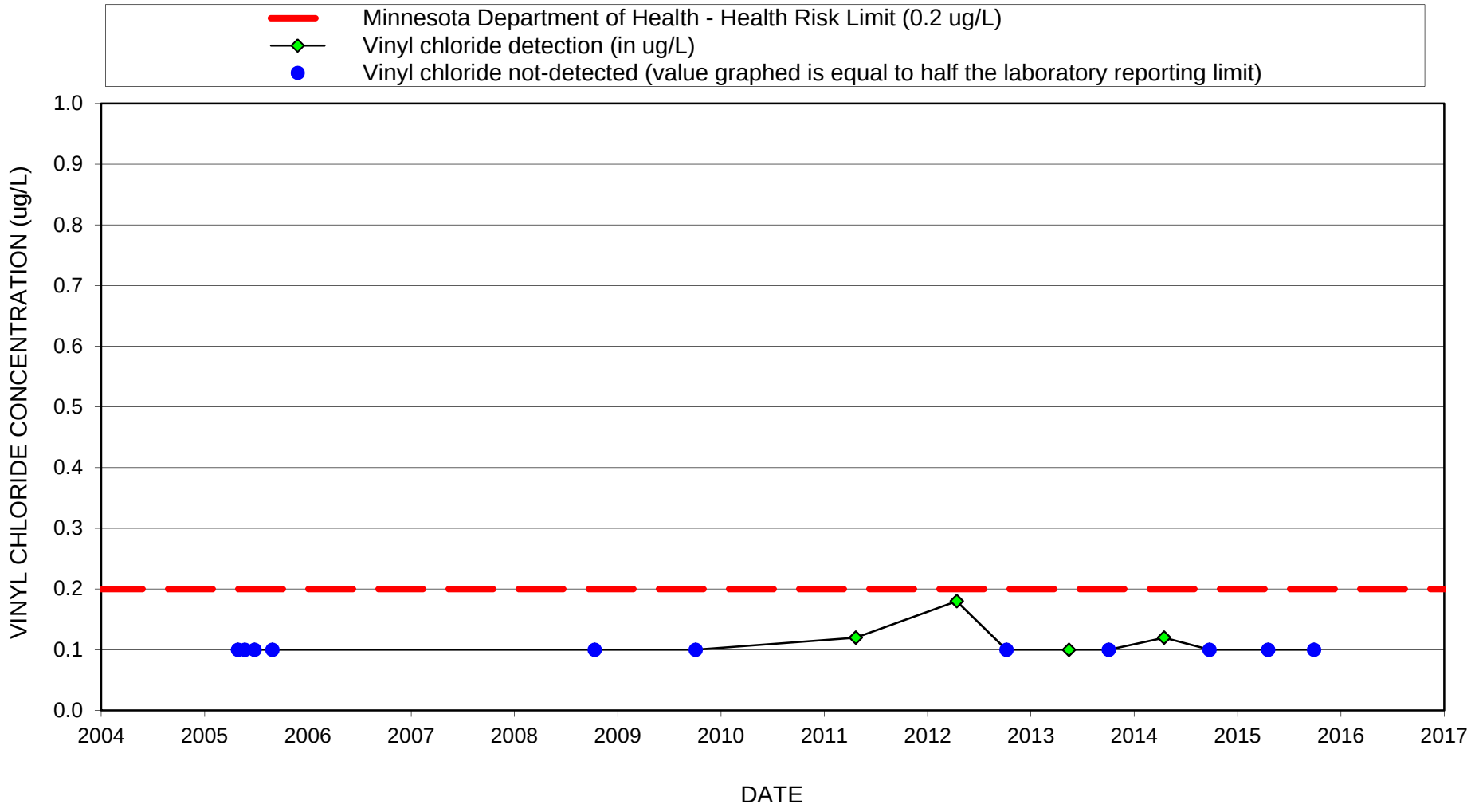
Parameter	Sample ID	Analyte	Batch	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
VOC (524.2)	W-151008-MB-71	Bromomethane	269584	97	133	31	70 - 130	20	0.5 UJ	ug/L
		Chloroethane	269584	97	134	33	70 - 130	20	0.5 UJ	ug/L
		Vinyl chloride	269584	105	133	24	70 - 130	20	0.2 UJ	ug/L

Notes:

MS - Matrix spike
MSD - Matrix spike duplicate
RPD - Relative percent difference
UJ - Estimated reporting limit

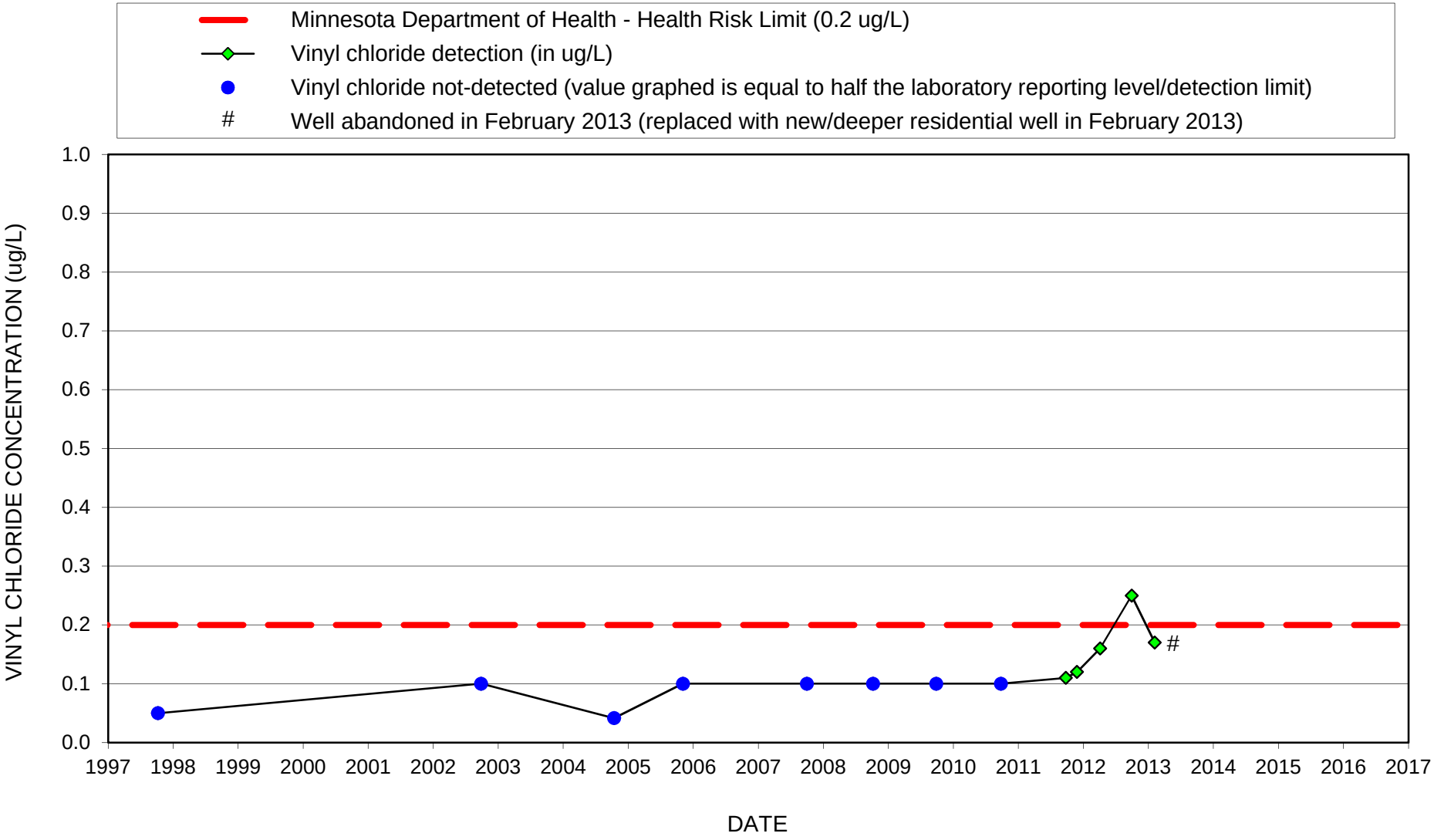
Attachment C
Updated Vinyl Chloride Graphs

VINYL CHLORIDE CONCENTRATIONS
50 EAST OAKS ROAD
NORTH OAKS, MINNESOTA



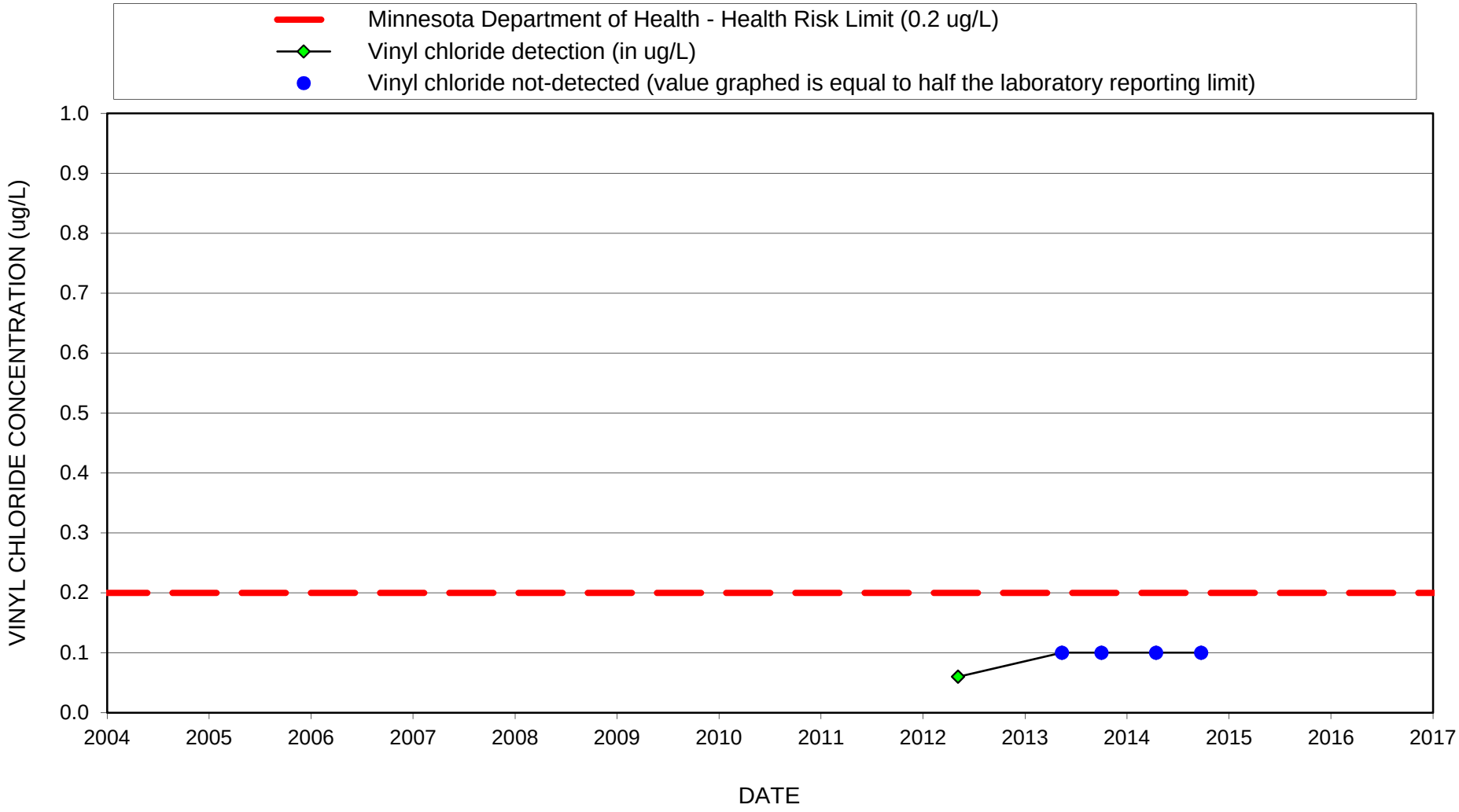
GHD 002012Campbell76-ATTC VC Graphs

VINYL CHLORIDE CONCENTRATIONS
2 HERON LANE (OLD WELL)
NORTH OAKS, MINNESOTA



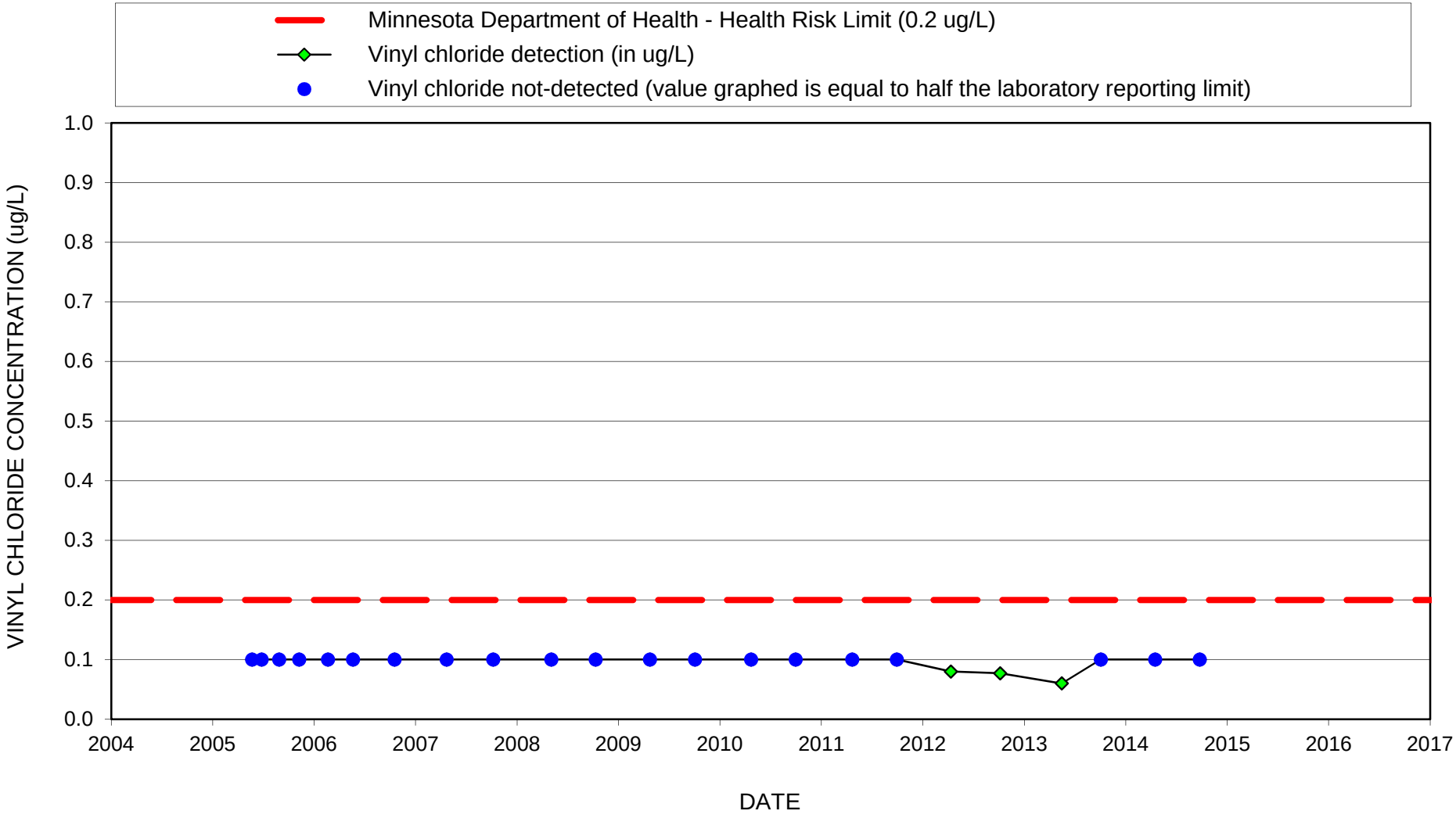
GHD 002012Campbell76-ATTC VC Graphs

VINYL CHLORIDE CONCENTRATIONS
3 HERON LANE
NORTH OAKS, MINNESOTA



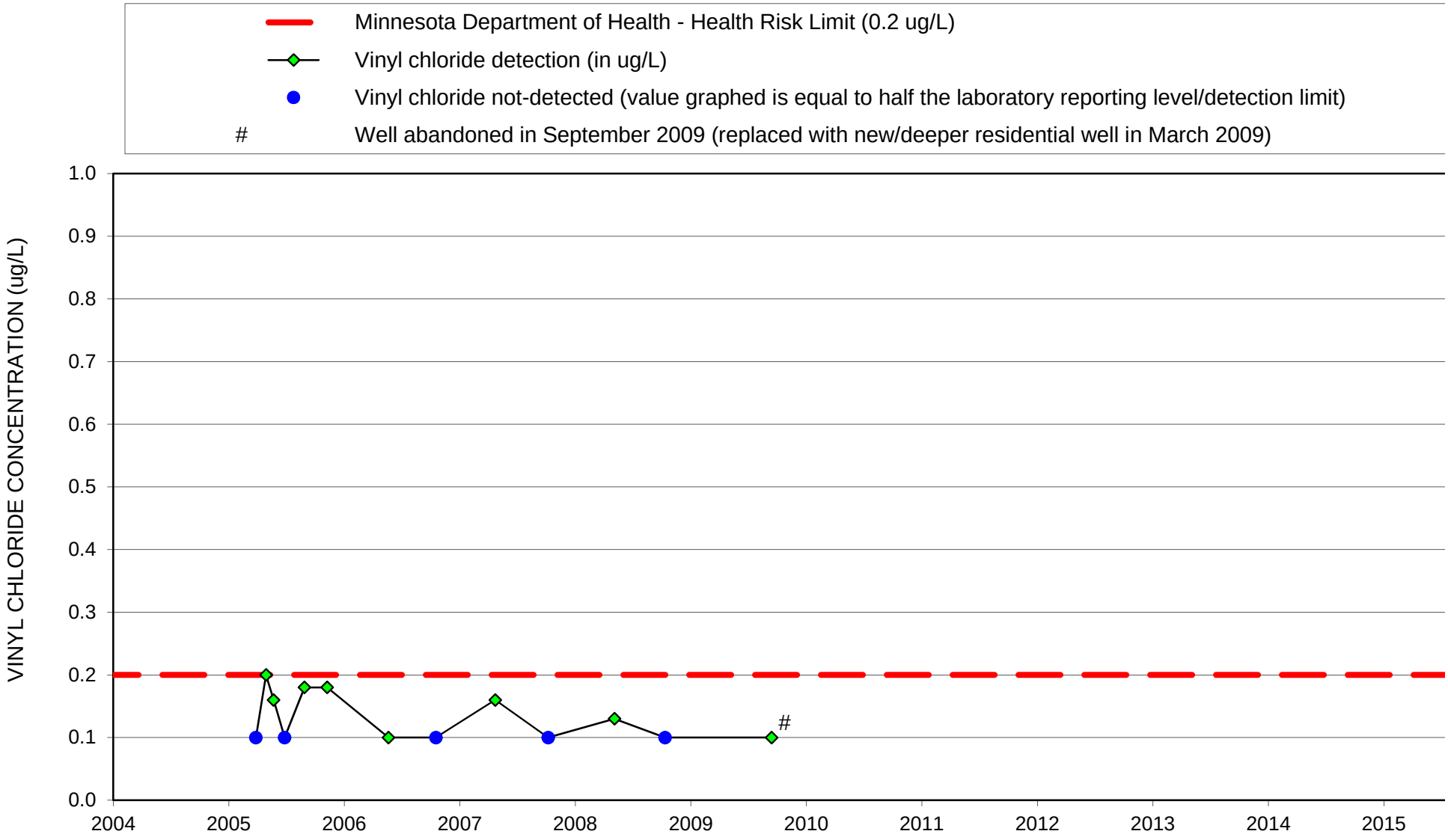
GHD 002012Campbell76-ATTC VC Graphs

VINYL CHLORIDE CONCENTRATIONS
1 HUMMINGBIRD HILL
NORTH OAKS, MINNESOTA



GHD 002012Campbell76-ATTC VC Graphs

VINYL CHLORIDE CONCENTRATIONS
2 HUMMINGBIRD HILL (OLD WELL)
NORTH OAKS, MINNESOTA



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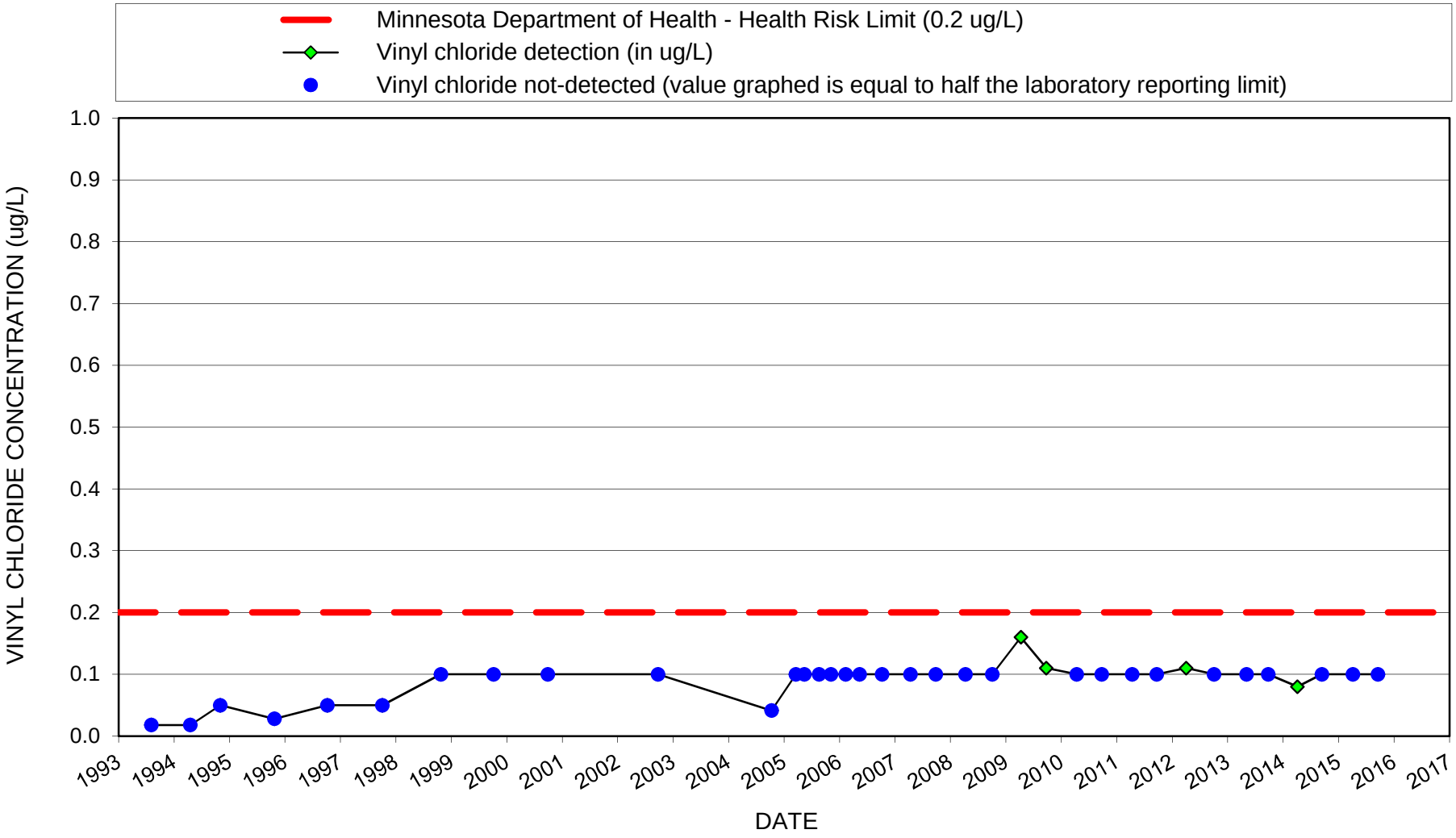
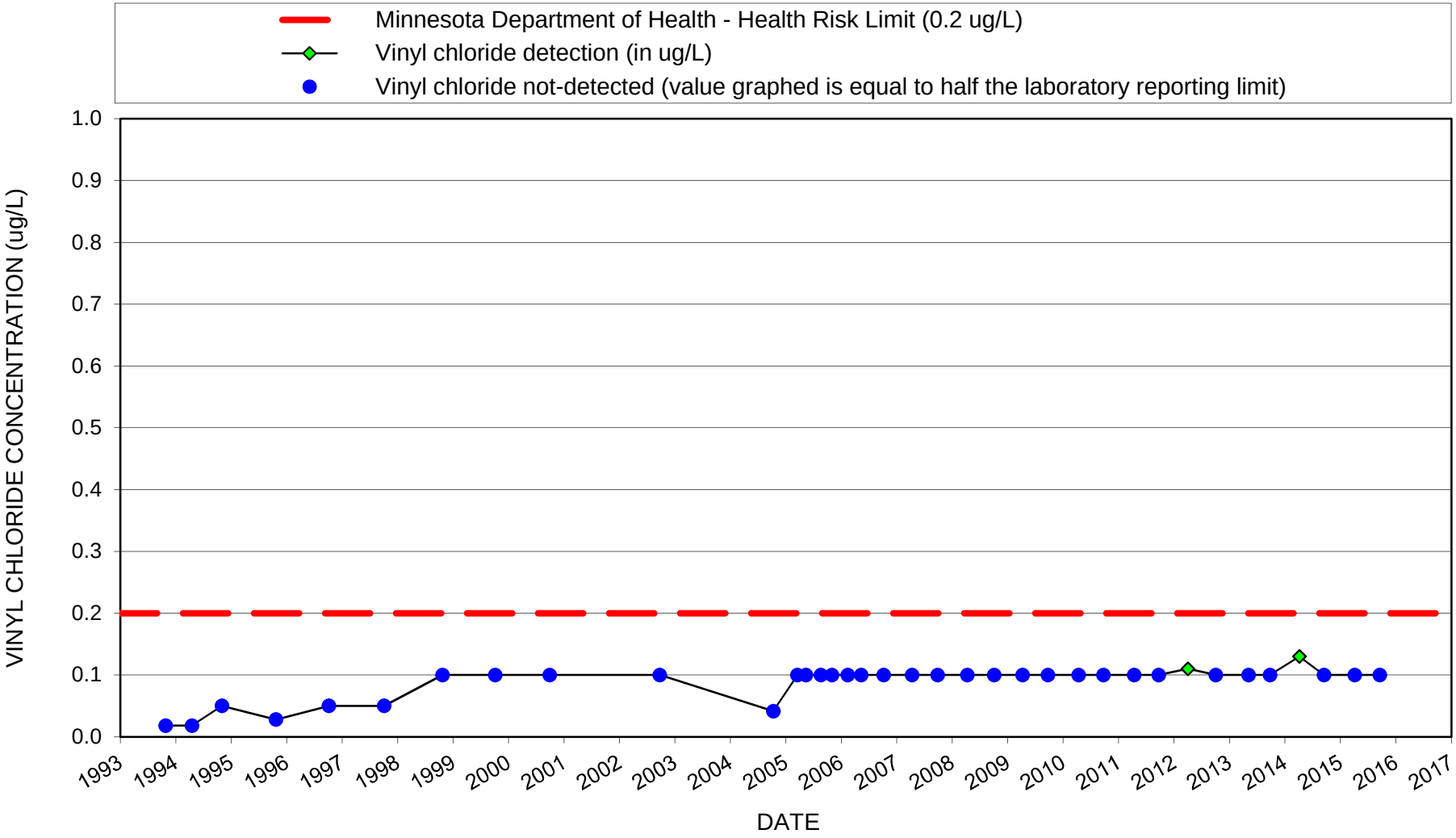
VINYL CHLORIDE CONCENTRATIONS
10 WEST SHORE ROAD
NORTH OAKS, MINNESOTA



VINYL CHLORIDE CONCENTRATIONS
11 WEST SHORE ROAD
NORTH OAKS, MINNESOTA



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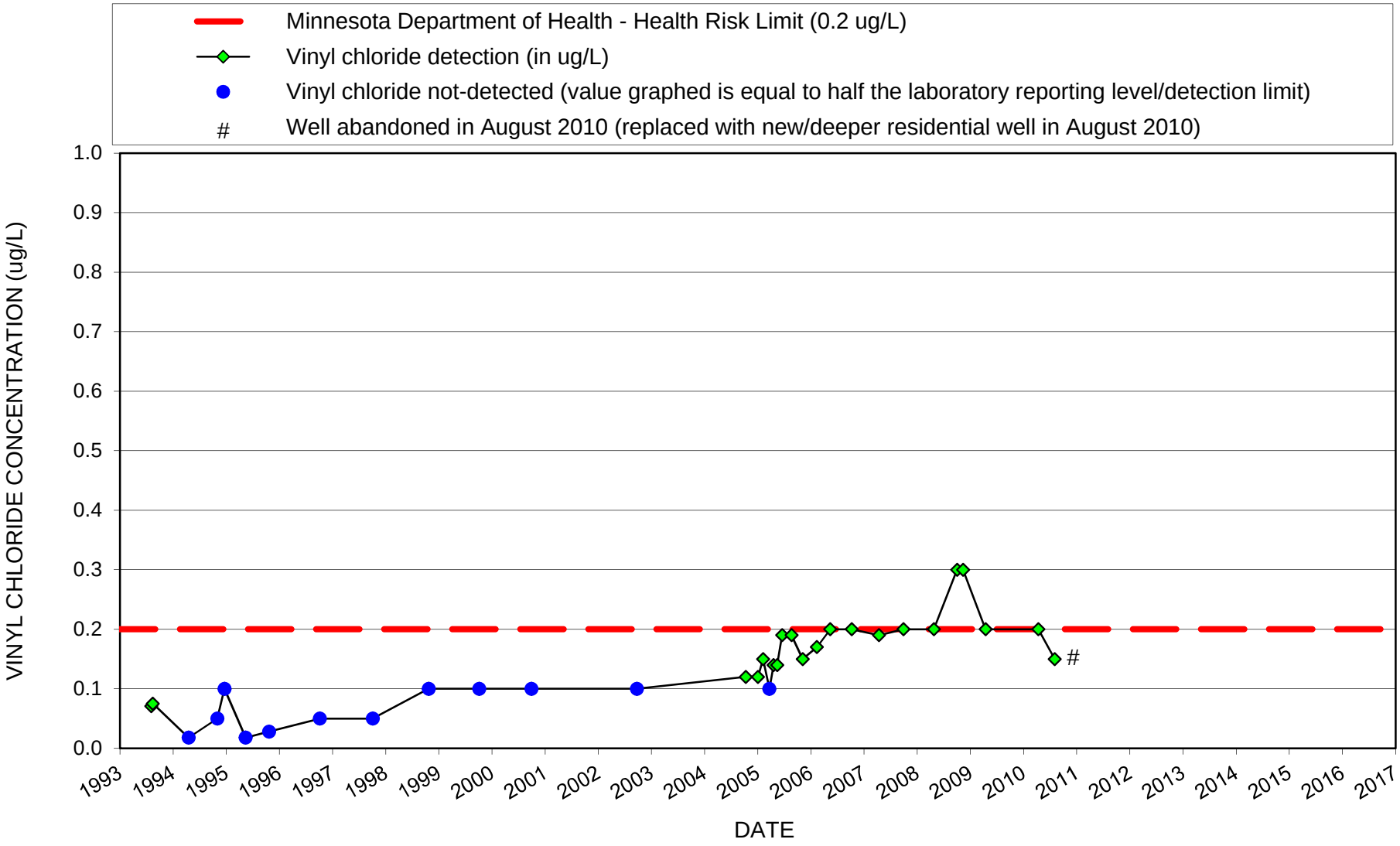
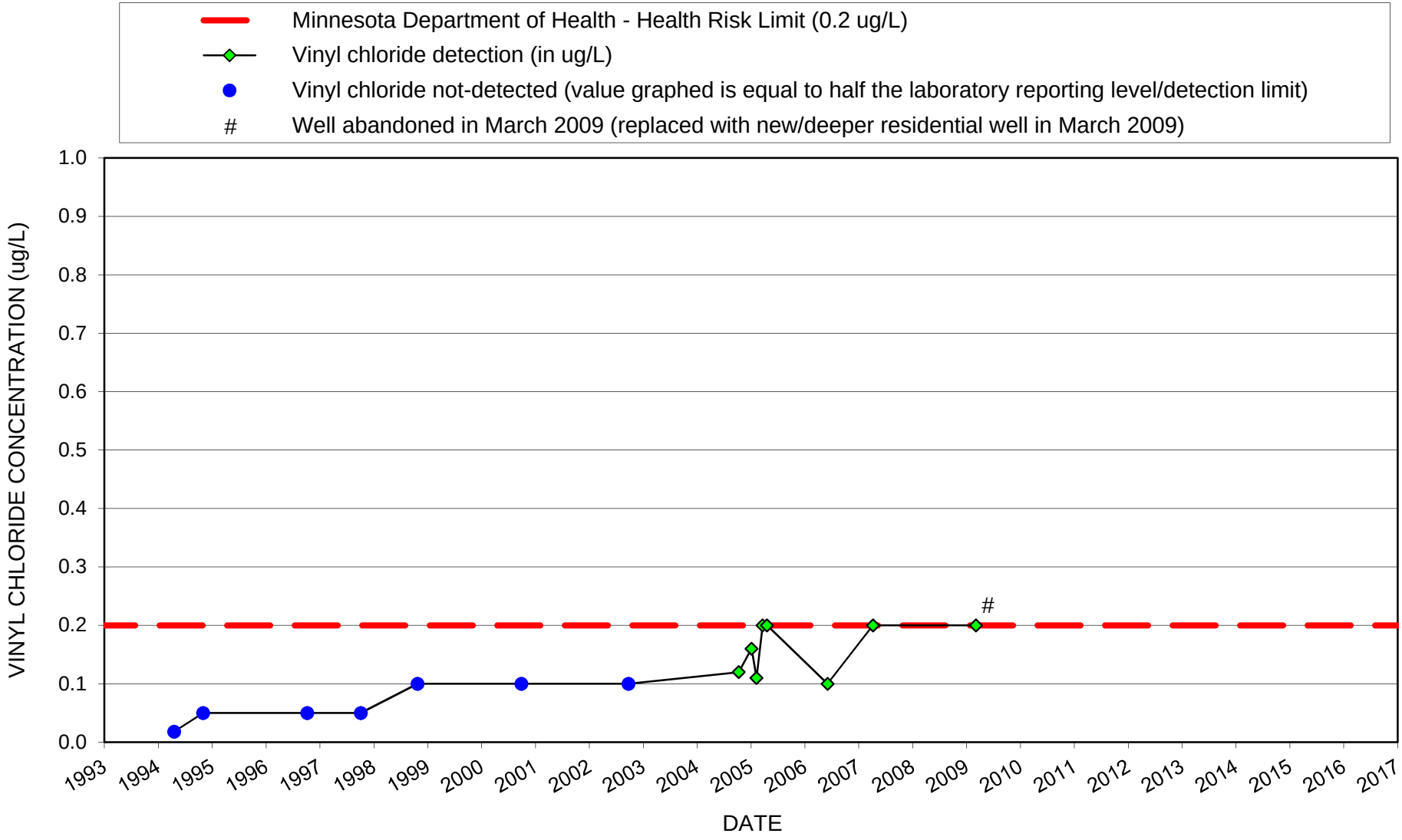
VINYL CHLORIDE CONCENTRATIONS
12 WEST SHORE ROAD (OLD WELL)
NORTH OAKS, MINNESOTA



VINYL CHLORIDE CONCENTRATIONS
13 WEST SHORE ROAD (OLD WELL)
NORTH OAKS, MINNESOTA



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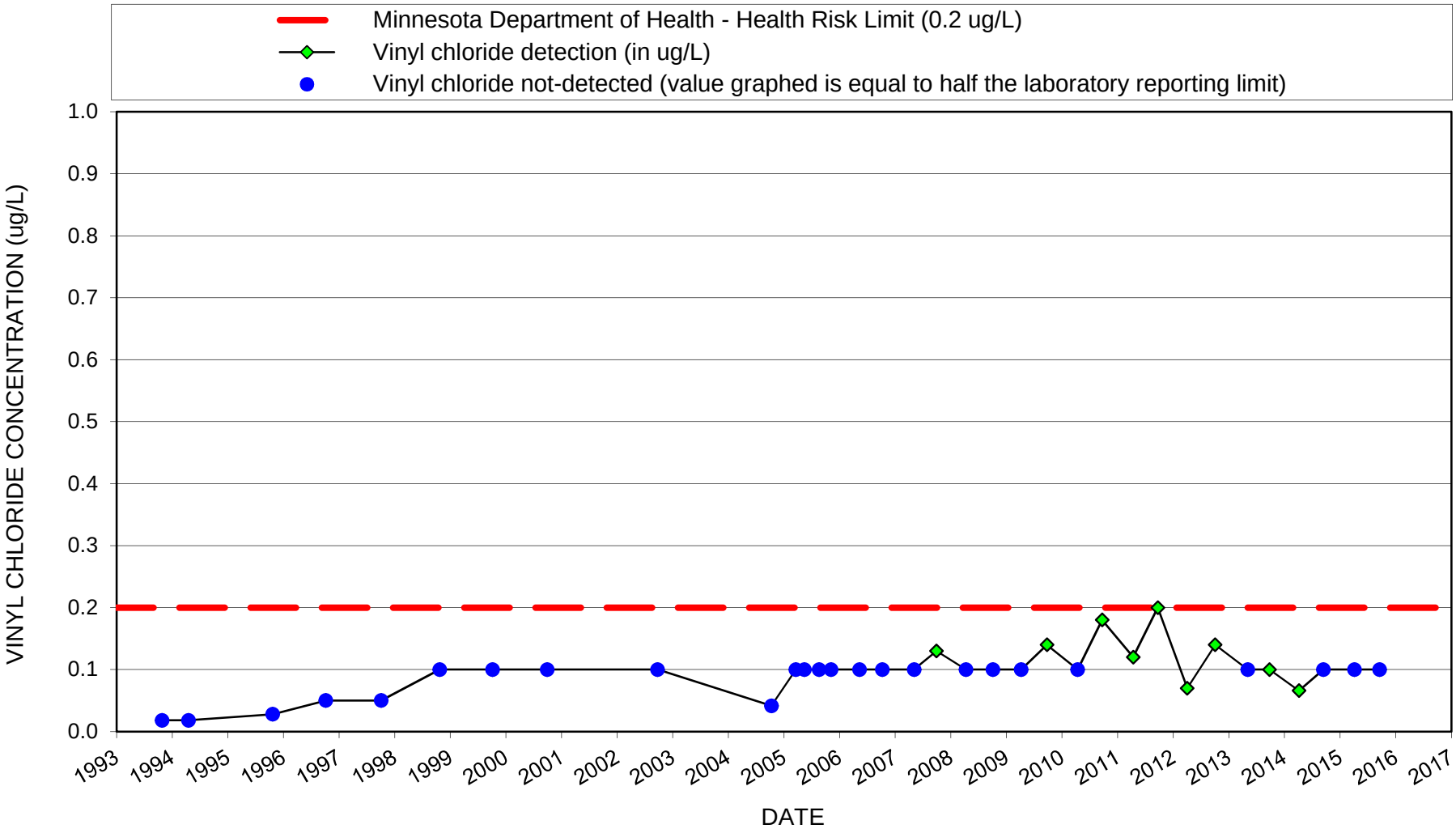
VINYL CHLORIDE CONCENTRATIONS
15 WEST SHORE ROAD
NORTH OAKS, MINNESOTA



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