

ENVIRONMENTAL MONITORING PLAN

**CARROLL LANDFILL
CARROLL, NEW YORK**



Prepared on behalf of:

Sealand Waste, LLC
85 High Tech Drive
Rush, New York 14543

Prepared by:

DAIGLER ENGINEERING P.C.
2620 Grand Island Blvd.
Grand Island, New York 14072-2131

February 2012

Last Revised November 2016

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1 INTRODUCTION

This Environmental Monitoring Plan (EMP) has been developed specifically for the Carroll Landfill, a construction and demolition (C&D) debris landfill located in the Town of Carroll, New York. The Town of Carroll is situated in the southeast corner of Chautauqua County. A site location map is presented in Figure 1-1.

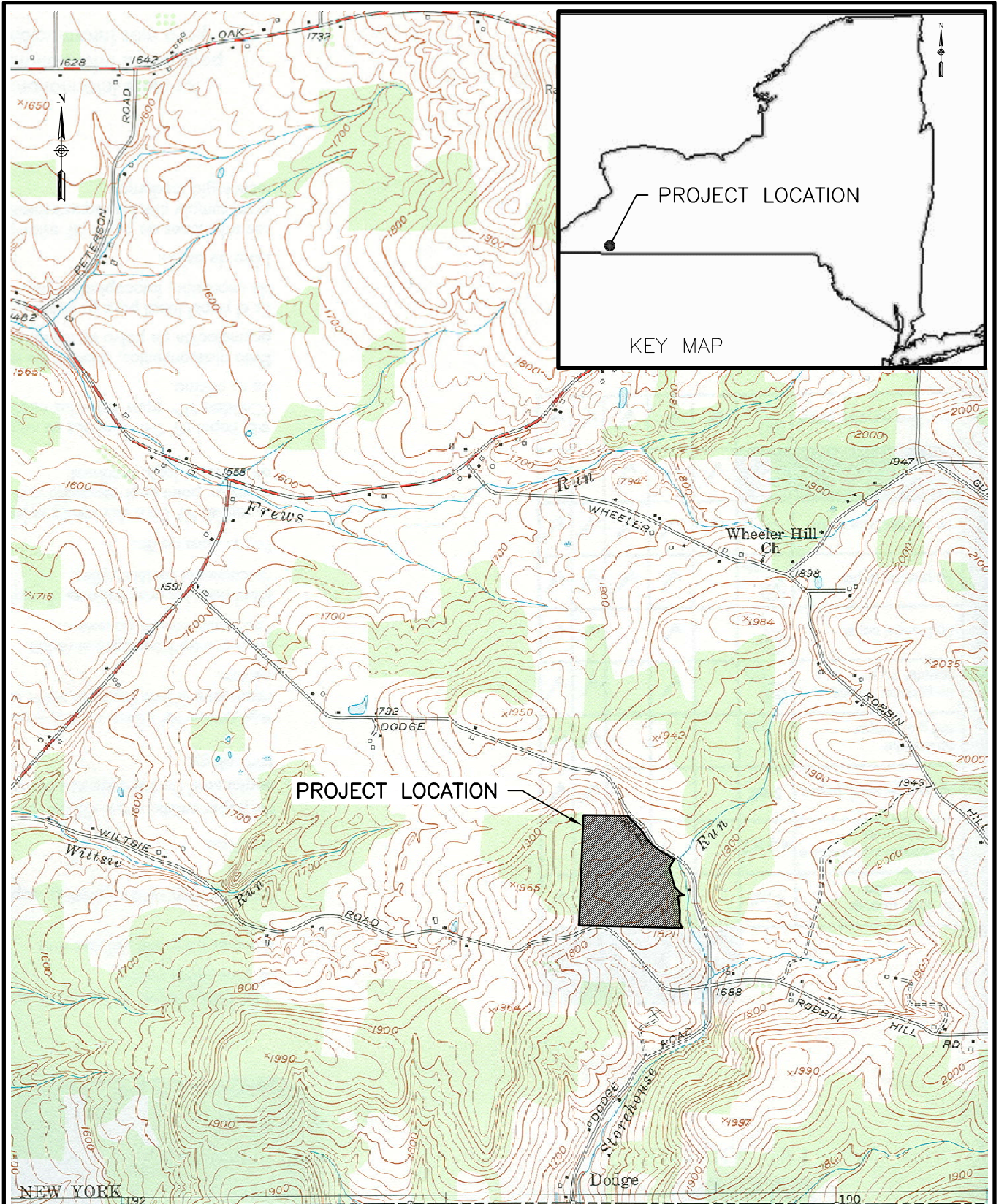
The Carroll Landfill (formerly Jones-Carroll Landfill) was originally the site of a gravel mine. The gravel mine operated from the 1960s into the 1980s. In March of 1990, the site began C&D debris disposal operations under a Part 360 permit for a C&D debris landfill three acres or less in size. The permitted three-acre footprint was exhausted in 2006 and the landfill was closed. Plans to purchase and expand the landfill under Section 360-7.4, C&D debris landfill greater than three acres in size, were initiated by Sealand Waste, LLC (Sealand) of Rush, New York in 2004 prior to the closure of the existing landfill.

The purpose of the EMP is to describe the proposed environmental monitoring points, sampling schedules, analyses to be performed, and statistical methods that will be used to evaluate the data obtained, and to establish the reporting requirements. This EMP has been prepared in accordance with the New York State regulation 6 NYCRR subdivision 360-2.11(c), barring select allowances made for C&D landfills in section 360-7.4 and current practice to address the requirements for:

- Groundwater;
- Surface water and sediment; and,
- Leachate.

It is acknowledged that the EMP is a fluid document. Revisions and modifications are expected as the site matures and the environmental monitoring program changes to accommodate the evolving conditions. Any material revisions to the EMP must be submitted to the New York State Department of Environmental Conservation (NYSDEC), Region 9 for review and approval prior to implementation.

Q:\Sealand\02-0104 Carroll Landfill\Environmental Monitoring Plan\ACAD\FIG 1-1-CARROLL LANDFILL VICINITY MAP.dwg 10/15/2015 10:08 AM



TOPOGRAPHY FROM USGS IVORY 2 QUADRANGLE

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SITE LOCATION MAP			FIGURE 1-1
CARROLL LANDFILL ENVIRONMENTAL MONITORING PLAN			
SEALAND WASTE, LLC			
TOWN OF CARROLL	CHAUTAUQUA COUNTY	NEW YORK	
October 2015	SCALE: NOT TO SCALE	REVISION # 0	

2 SITE CONDITIONS

2.1 SITE HYDROGEOLOGY

2.1.1 Geology

As described in detail in the Site Investigation Report (SIR)¹, the shallow subsurface below the topsoil or earthen fills is composed of, in general descending order, the following units:

- Glacial tills – generally described as brown clayey silt and silt matrix containing coarse to fine gravel, cobbles and occasional boulders, with trace to little amounts of coarse to fine sand;
- Glacio-fluvial soils – sand and gravel deposits with laminated silts and sand and silty sand, separating till into upper and lower layers where present;
- Residual soils – a mix of silty clays or clayey silts with varying amounts of shale fragments (not present at all locations);
- Highly weathered shale (HWS) – consisting of aggregated shale particles easily reduced to soil size by the manual application of light shearing loads; and,
- Cattaraugus Shale Formation Bedrock – with the exception of minor sandstone beds at higher elevations, this bedrock is a gray shale, with near horizontal bedding and vertical fractures.

2.1.2 Groundwater

As described in the SIR, rainfall percolates through the surficial soils, accumulating in the upper till and glacio-fluvial deposits. Groundwater becomes perched within the upper till or glacio-fluvial deposits and either flows down slope toward the discharge zone along Storehouse Run near the site, or percolates downward through the lower till and residuum in a primarily vertical flow direction entering the HWS and underlying shale bedrock, where it can continue to flow down slope toward the discharge zone at lower elevations further downstream in Storehouse Run.

¹ *Site Investigation Report: Carroll Landfill Expansion, Carroll, New York*. Prepared by P.J. Carey & Associates, PC, dated February 2012 and last revised January 2015.

Construction of the landfill liner system will reduce recharge to the underlying geologic units, thereby reducing groundwater heads directly below the site. An extensive subsurface drainage system consisting of well points, a trench drain, and a porewater drain will be used to temporarily drawdown the groundwater heads during construction. Groundwater modeling presented in Appendix D of the Engineering Report, Rev.3² suggests only a slight reduction in groundwater heads within the discharge zones along Dodge Road east and south of the site while conservatively discounting significant recharge from upland areas and discharge of groundwater to Storehouse Run. The groundwater modeling presented in the SIR and updated for Revision 3 of the Engineering Report indicates that, while the heads are reduced, flow patterns subsequent to liner construction will remain similar to those that exist in the pre-development condition.

From a plan view perspective, groundwater beneath the landfill will flow predominantly within the weathered shale, and to a lesser degree the upper bedrock in a south to southeast direction. Figure 2-1 presents a plan view of post development groundwater heads in the HWS and upper bedrock groundwater system based on modeling results described in the SIR.

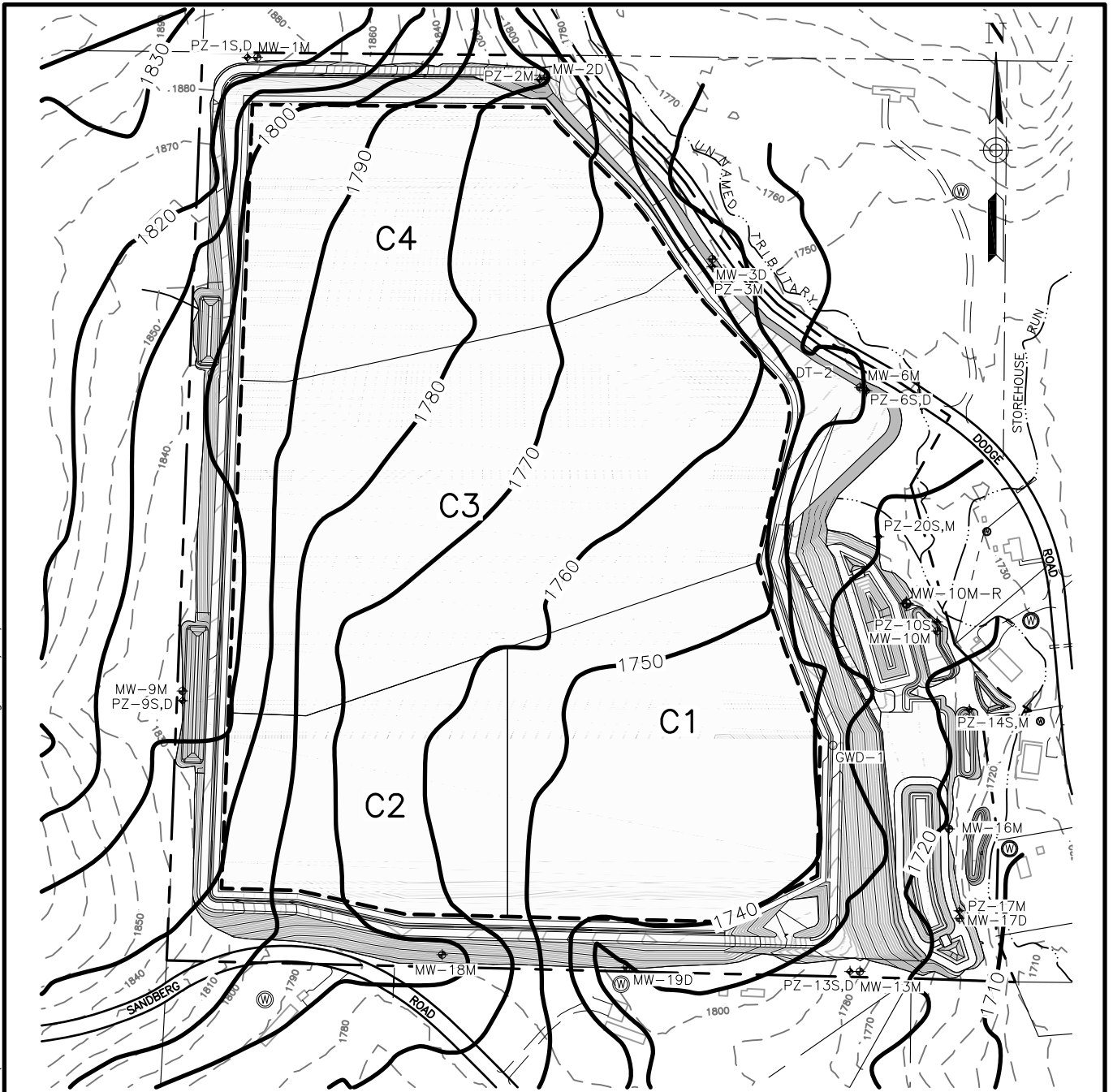
2.2 SURFACE WATER

A small intermittent watercourse is found nearly bisecting the site and flowing to the east. This watercourse discharges to an unnamed tributary of Storehouse Run, a perennial trout stream near the eastern property boundary. Storehouse Run flows in a southerly direction and crosses the State line into Pennsylvania approximately one mile south of the site, and eventually discharges to Conewango Creek at a point about four miles southwest of the property.

Storehouse Run, identified as Dodge Creek in Table III of 6 NYCRR Subpart 800.6 and Waters Index Number Pa 29, and its tributaries are assigned a Water Quality Class of C and Standards of C(TS). Discharge standards for Class C(TS) surface water bodies are established by the water quality regulations in 6 NYCRR Part 700 through 706.

² *Carroll Landfill Engineering Report*. Prepared by Daigler Engineering, PC, dated February 2012; Last Revised October 2015.

Q:\Sealand\02-0104 Carroll Landfill Environmental Monitoring Plan\ACAD\FIG 2-1 POST DEVELOPMENT HWS GW HEADS.dwg 10/21/2015 2:49 PM



- | | | | |
|------------|---------------------------------------|--------|--|
| ◆ PZ-13D,S | LEGEND
STANDPIPE PIEZOMETER | —1750— | POST DEVELOPMENT HIGHLY WEATHERED SHALE/UPPER BEDROCK GROUNDWATER CONTOURS |
| ◆ MW-1M | MONITORING WELL | C2 | OPERATIONAL CELL AND NUMBER DESIGNATION |
| ◆ MW-10M-R | REPLACEMENT MONITORING WELL | --- | PROPERTY BOUNDARY |
| ○ GWD-1 | GROUNDWATER DRAIN | ⊙ | SURVEYED RESIDENTIAL WATER WELL |
| ● DT-2 | EXISTING 4"Ø PVC DRAIN TILE | ⊙ | ESTIMATED LOCATION RESIDENTIAL WATER WELL |
| --- | LIMIT OF WASTE | ⊙ | ABANDONED RESIDENTIAL WATER WELL |
| -1750- | EXISTING GROUND CONTOUR | --- | WATERCOURSE |

POST DEVELOPMENT HIGHLY WEATHERED SHALE/ UPPER BEDROCK GROUNDWATER HEADS CARROLL LANDFILL ENVIRONMENTAL MONITORING PLAN		
SEALAND WASTE, LLC		
TOWN OF CARROLL	CHAUTAUQUA COUNTY	NEW YORK
October 2015	SCALE: NOT TO SCALE	REVISION # 1
		FIGURE 2-1

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A plan view of the engineered surface water management system for the facility is illustrated on the Final Grading and Drainage Plan (Sheet PD-9) in the Permit Drawings³. The drainage system is designed to conform with the requirements of paragraphs 360-2.7(b)(8) and 360-2.15(k)(2). Paragraph 360-2.7(b)(8) presents the guidelines for surface water run-on and runoff while the landfill is active, and paragraph 360-2.15(k)(2) presents the guidelines for post-closure surface water runoff. The engineered surface water management system was developed in accordance with the “New York State Stormwater Management Design Manual, August 2010”, prepared by the Center for Watershed Protection for the New York State Department of Environmental Conservation, and includes the following elements:

- Run-on diversion channels to divert surface water entering the site to detention ponds (Pond 1 and Pond 2) and into an existing roadside channel;
- Final cover diversion swales and downchutes will collect surface water runoff from the landfill cover and convey it to the perimeter contact runoff channel and culverts;
- Perimeter contact runoff channels and culverts designed to convey contact surface water runoff to the sediment basins; and,
- Sediment basins (2) and graded filters (4) to collect, treat, and discharge post-development runoff at pre-development rates to a tributary of Storehouse Run or directly to Storehouse Run.

Ponds 1 and 2 will be used mainly for the attenuation of run-on flow from the west, and diversion into an existing roadside channel at less than pre-development rates. Sediment Basins 1 and 2 will control surface water runoff associated with the landfill, discharging through graded filters for additional treatment and then to Storehouse Run. Sheet PD-9 of the Permit Drawings depicts the surface water drainage plan for the post-development condition which includes the final cover grading, location of culverts, drainage channels, ponds, and sediment basins. Sheets PD-28 thru PD-32 of the Permit Drawings present the stormwater management system plans, profiles, including drainage channel and culvert details.

³ *Carroll Landfill Expansion Permit Drawings*. Prepared by Daigler Engineering, PC, dated March 2014; Last Revised October 2015.

3 GROUNDWATER MONITORING

3.1 CRITICAL STRATIGRAPHIC SECTION

For landfills in New York State, the Critical Stratigraphic Section (CSS) is defined in paragraph 360-1.2(b)(47) as all stratigraphic units, both unconsolidated deposits and bedrock, including but not limited to the unsaturated zone, uppermost aquifer, and first water-bearing unit into which facility derived contaminants that escape from a solid waste management facility might reasonably be expected to enter and cause contamination during the active life or within 30 years following closure of the facility.

For this facility, the HWS/Upper Bedrock can be considered the CSS. The glacio-fluvial deposits are absent in the northern (i.e., upgradient) region of the site and are largely unsaturated along the eastern part of the site where the stratum approaches the discharge elevation to Storehouse Run and discontinuous elsewhere. Further, the landfill construction will remove the majority of glacio-fluvial materials from beneath the landfill. Therefore, monitoring of the downgradient glacio-fluvial materials that will remain beneath the landfill is not possible.

The HWS/Upper Bedrock will be the uppermost water bearing unit of interest. Based on analysis presented in the SIR, the HWS and the Upper Bedrock to a depth of approximately 50 feet below the HWS is the most productive water-bearing zone, which horizontally conveys groundwater from beneath the site. The HWS and upper bedrock are fully connected. There is no hydraulic separation between the two units only a gradual change in permeability. The hydraulic continuum coupled with the highly fractured nature of the HWS and upper bedrock create a high level of monitorability.

3.2 GROUNDWATER QUALITY

3.2.1 Regional Water Quality

Crain (1966)⁴ provides an extensive discussion of groundwater quality in the region; however, the majority of the wells sampled in his study are screened in outwash or deltaic sands and gravels. Eighteen bedrock wells were sampled.

⁴ Crain, Leslie J. (1966). Ground-Water Resources of the Jamestown Area, New York with Emphasis on the Hydrology of the Major Stream Valleys. U.S. Geological Survey and State of New York Conservation Department Water Resources Commission. Bulletin 58.

Regional bedrock water quality, based on the available data published by Crain, is highly variable. For instance, chloride concentrations ranged from 3.3 to 2,420 parts per million (ppm) with an average concentration of 244 ppm and a geometric mean concentration of 59 ppm. Dissolved solids ranged from 103 to 4,440 ppm with an average concentration of 653 ppm and a geometric mean concentration of 340 ppm. More than 50% of the bedrock wells sampled produced water of objectionable quality because of high chloride, dissolved solids, or iron. Many of the samples contained hydrogen sulfide, oil, and/or natural gas.

In general, shallow bedrock water quality in the uplands areas is of acceptable quality for direct household use. The deeper the bedrock well, the more likely the well will encounter water with high concentrations of chloride, dissolved solids, iron, hydrogen sulfide, and/or natural gas. The reason for the relatively rapid deterioration of water quality with depth into bedrock is that the Cattaraugus Formation strata of southeastern Chautauqua County and adjacent Cattaraugus County are the up-dip extensions of the gas-producing “Venango Sands” of northern Pennsylvania (Donaldson, et al., 1996)⁵. Thus, diluted oil field brine signatures are likely to be reflected in the groundwater geochemical facies at relatively shallow depths within the bedrock, particularly below the floors of valleys within the uplands region.

3.2.2 Site Specific Sampling Results

The water quality database for the site currently consists of two rounds of baseline parameters in a representative number of background and downgradient monitoring wells and one round of baseline parameters for all remaining wells initially intended for inclusion in the monitoring array. These data from the monitoring wells are supplemented by results from samples of the discharge from a groundwater drain installed below the east and northeast perimeter of Phase 1 of the existing landfill, as well as, two samples of leachate collected from test pits in the existing landfill. Prior to resuming landfill operations, this groundwater quality database will be expanded to include two additional rounds of baseline sampling from wells that are part of the groundwater monitoring program as described in Section 3.4. Appendices A and B list the

⁵ Donaldson, A.C., Boswell, R., Cavallo, I., Heim, I.R., Canich, M. (1996). Upper Devonian Elk Sandstones and Siltstones. In, *The Atlas Of Major Appalachian Gas Plays*, Roen, J.B., and Walker, B., (eds.), sponsored by Gas Research Institute, West Virginia Geological and Economic Survey, Morgantown, WV, p. 77-85.

Routine and Baseline parameters found in paragraph 360-2.11(d)(6), respectively. The routine parameter list has been supplemented with the addition of arsenic at the request of the NYSDEC.

3.2.2.1 Monitoring Wells

Groundwater quality sampling from monitoring wells took place on October 6th and 7th, 2011 and March 25th – 27th, 2013. Each of the three wells at the following well clusters were included in the 2011 event; PZ-1, PZ-6, PZ-9, and PZ-13. The 2013 event included wells PZ-1M, PZ-3D, PZ-6M, & D, PZ-9M & D, PZ-10M, PZ-13M & D, PZ-14M, PZ-16M, PZ-17D, PZ-18M, PZ-19D, and PZ-20M. The laboratory reports for the sampling events are presented in Appendix C. To help characterize the monitoring well data, comparisons were made with 6 NYCRR Part 703 GA drinking water standards, TOGS 1.1.1 GA guidance values, the 40 CFR Part 141 National Primary Drinking Water Maximum Contaminant Levels (MCLs), and the National Secondary Drinking Water Standards. The strictest standard per parameter was used for comparison, Tables 3-1a & b summarize all exceedances of the strictest standard in samples collected from monitoring wells during the two sampling events. Volatile organic compounds are not included in Table 3-1a or 3-1b. Of the remaining parameters, only those with GA standards, guidance values or National Drinking Water Standards are listed.

As indicated by the overwhelming number of blank cells, most parameters in most wells meet the drinking water standards for groundwater. Further, the majority of the exceedances listed are minor. Notable exceptions include:

- Color, turbidity, aluminum, arsenic, iron, and lead in upgradient well PZ-9S during the 2011 event;
- Alkaline pH in downgradient wells PZ-13S, PZ-13M, and PZ-13D during the 2011 event and in PZ-17D during the 2013 event,
- Manganese in downgradient well PZ-18M during the 2013 event; and,
- Total recoverable phenolic compounds in downgradient wells PZ-6M, PZ-6D, and PZ-13D in 2011 and in PZ-13M and PZ-13D in 2013, as discussed further below.

Table 3-1a
EXISTING GROUNDWATER QUALITY SAMPLING ROUND 1 - COMPARISON TO STANDARDS/GUIDANCE VALUES^a
(10/6-7/2011)

Parameter	6 NYCRR Part 703 GA Standard (Other as Noted)	MONITORING POINT											
		Background Wells						Downgradient Wells					
		PZ-1S*	PZ-1M	PZ-1D**	PZ-9S	PZ-9M	PZ-9D	PZ-6S*	PZ-6M	PZ-6D	PZ-13S	PZ-13M	PZ-13D
Aluminum	(100 ug/L ^e)		140		35,000	520					2,300	450	200
Ammonia, NH ₃	2,000 ug/L												
Antimony, Sb	3 ug/L												
Arsenic, As	25 ug/L (10 ug/L ^c)				31								
Barium, Ba	1,000 ug/L												
Beryllium, Be	(3 ug/L ^d)												
Boron, B	1,000 ug/L												
Cadmium, Cd	5 ug/L												
Chloride, Cl ₂	250,000 ug/L												
Chromium, Cr	50 ug/L												
Chromium (Hexavalent), Cr(VI)	50 ug/L												
Color	< 15 C.U.				1000								
Copper, Cu	200 ug/L												
Cyanide, Cn	200 ug/L												
Iron, Fe	300 ug/L				52,000	430					2,300	420	
Lead, Pb	25 ug/L (15 ug/L ^c)				19								
Magnesium, Mg	(35,000 ug/L ^d)												
Manganese, Mn	300 ug/L (50 ug/L ^e)				380	270	110		260			200	
Fe + Mn	500 ug/L				52,380	600					2,349	620	
Mercury, Hg	0.7 ug/L												
Nickel, Ni	100 ug/L												
Nitrate, as N	10,000 ug/L												
pH	6.5 < pH < 8.5										8.8	10.5	10.5
Phenolics, Total Recoverable	1 ug/L		< 5 ^b		< 5 ^b	< 5 ^b	< 5 ^b		7	6	< 5 ^b	< 5 ^b	8
Selenium, Se	10 ug/L												
Silver, Si	50 ug/L												
Sodium, Na	20,000 ug/L								29,000				30,000
Sulfate, SO ₄	250,000 ug/L												
Thallium, Tl	(0.5 ug/L ^d)												
Total Dissolved Solids, TDS	500 mg/L												
Turbidity	< 5 NTU		7		734	8	27		6	6	43	13	6
Zinc, Zn	(2,000 ug/L ^d)												

NOTES:

^a Volatile organic compounds are not included. Of the remaining parameters, only those with a 6 NYCRR Part 703 GA Standard, Guidance Value, or National Drinking Water Standard are listed.

^b Detection limit above standard.

^c 40 CFR Part 141 National Primary Drinking Water Maximum Contaminant Level: Only listed when more stringent than State standard/guidance value.

^d TOGS 1.1.1 GA Guidance Value.

^e National Secondary Drinking Water Standard: Non-mandatory guidelines established for aesthetic considerations. In reference to aluminum, the standard is a flexible range of between 50 and 200 ug/L. A moderate concentration of 100 ug/L was chosen for comparison to be greater than the detection limit (60 ug/L), while still half the maximum concentration acceptable.

*Well dry.

**Well obstructed; no sample taken.

Table 3-1b
EXISTING GROUNDWATER QUALITY SAMPLING ROUND 2 - COMPARISON TO STANDARDS/GUIDANCE VALUES*
(3/25-27/2013)

Parameter	6 NYCRR Part 703 GA Standard (Other as Noted)	MONITORING POINT														
		Background Wells				Downgradient Wells										
		PZ-1M	PZ-9M	PZ-9D	PZ-18M	PZ-3D†	PZ-6M	PZ-6D	PZ-10M	PZ-13M	PZ-13D	PZ-14M	PZ-16D	PZ-17D	PZ-19D	PZ-20M
Aluminum	(100 ug/L ^e)	270			280	220	190	110	1,700	150		2,700	310	640		1,400
Ammonia, NH ₃	2,000 ug/L															
Antimony, Sb	3 ug/L															
Arsenic, As	25 ug/L (10 ug/L ^c)															
Barium, Ba	1,000 ug/L															
Beryllium, Be	(3 ug/L ^d)															
Boron, B	1,000 ug/L															
Cadmium, Cd	5 ug/L															
Chloride, Cl ₂	250,000 ug/L															
Chromium, Cr	50 ug/L															
Chromium (Hexavalent), Cr(VI)	50 ug/L															
Color	< 15 C.U.								25			20				20
Copper, Cu	200 ug/L															
Cyanide, Cn	200 ug/L															
Iron, Fe	300 ug/L	630			500	540	1,200	350	2,700			2,100	30	450		1,600
Lead, Pb	25 ug/L (15 ug/L ^c)															
Magnesium, Mg	(35,000 ug/L ^d)															
Manganese, Mn	300 ug/L (50 ug/L ^e)	550	80	120	2,000	840	130	57	180	260		74		210	220	
Fe + Mn	500 ug/L	1,180			2,500	1,380	1,330		2,880			2,174				1,820
Mercury, Hg	0.7 ug/L															
Nickel, Ni	100 ug/L															
Nitrate, as N	10,000 ug/L															
pH	6.5 < pH < 8.5	6.4												10.0		
Phenolics, Total Recoverable	1 ug/L	< 5**	< 5**	< 5**	< 5**	< 5**	< 5**	< 5**	< 5**	5	6	< 5**	< 5**	< 5**	< 5**	< 5**
Selenium, Se	10 ug/L															
Silver, Si	50 ug/L															
Sodium, Na	20,000 ug/L										21,000			34,000		
Sulfate, SO ₄	250,000 ug/L															
Thallium, Tl	(0.5 ug/L ^d)															
Total Dissolved Solids, TDS	500 mg/L															
Turbidity	< 5 NTU					356	10.82		20	30				10		13
Zinc, Zn	(2,000 ug/L ^d)															

NOTES:

^a Volatile organic compounds are not included. Of the remaining parameters, only those with a 6 NYCRR Part 703 GA Standard, Guidance Value, or National Drinking Water Standard are listed.

^b Detection limit above standard.

^c 40 CFR Part 141 National Primary Drinking Water Maximum Contaminant Level: Only listed when more stringent than State standard/guidance value.

^d TOGS 1.1.1 GA Guidance Value.

^e National Secondary Drinking Water Standard; Non-mandatory guidelines established for aesthetic considerations. In reference to aluminum, the standard is a flexible range of between 50 and 200 ug/L. A moderate concentration of 100 ug/L was chosen for comparison to be greater than the detection limit (60 ug/L), while still half the maximum concentration acceptable.

† PZ-3D was initially designated PZ-3M; Redesignation did not occur until after Round 2 sampling was performed. Therefore, PZ-3D is reported as PZ-3M in the laboratory report provided in Appendix C.

Total phenolic compounds were found slightly above the Part 703 GA standard in at least the medium and deep wells of two downgradient couplets, PZ-6 and PZ-13⁶. Low levels of phenol can be natural from leaching animal wastes and decomposing organic wastes, and such sources are not necessarily unexpected in rural farmland; however, wood and coal tar may also be sources. As discussed in Section 3.3 below, two samples taken during the existing waste investigation between August 31, 2011 and September 2, 2011 show that total phenolics were found at slightly elevated levels (12 and 22 µg/L) in the leachate.

The Part 360 Baseline parameter list includes 49 volatile organic compounds (VOCs) (see Appendix B). The overwhelming majority of data for VOCs were below the detection limit. The few exceptions are acetone and carbon disulfide in PZ-13M and PZ-13D during the 2011 event and in PZ-17D and PZ-19D during the 2013 event. It should be noted that both acetone and carbon disulfide are known to be common laboratory artifacts and the low levels detected in these samples may nothing more than inadvertent contamination during sample handling in the laboratory.

There is no 6 NYCRR Part 703 GA Standard for acetone, but there is a TOGS 1.1.1 GA Guidance Value for acetone of 50 µg/L. The concentrations of acetone measured in PZ-13M and PZ-13D in 2011 (28 and 37 µg/L, respectively), as well as the concentrations measured in PZ-17D and PZ-19D in 2013 (6.8 and 22 µg/L, respectively) are all below the guidance value. According to ATSDR (1994)⁷, the principal source of acetone in groundwater is from leaching municipal and industrial landfills. However, similar to total phenolics, acetone in groundwater can also be from natural sources such as decomposition of agricultural, food, and animal wastes. Although acetone was found in the two leachate samples obtained during the waste investigation, the levels were low (4.0 and 18 µg/L) compared to the levels measured in three of the four wells. This suggests that the acetone in these wells has not originated from the existing C&D landfill.

Carbon disulfide concentrations measured in PZ-13M (7.3 µg/L), PZ-13D (13 µg/L), and PZ-17D (4.6 µg/L) are well below the 6 NYCRR Part 703 GA standard of 60 µg/L. Carbon

⁶ Note that the detection limit, 5 µg/L, was above the standard, 1 µg/L. Only values above the detection limit are considered true exceedances.

⁷ Agency for Toxic Substances and Disease Registry (ATSDR). (1994). Toxicological Profile for Acetone. U.S. Department of Health and Human Services, May 1994. Available online at <http://www.atsdr.cdc.gov/ToxProfiles/tp21.pdf>. Accessed on 12/1/11.

disulfide is released naturally into the environment from a variety of sources including the metabolic action of soil bacteria and plants during the growing season, and from grass fires. Known sources of carbon disulfide in groundwater are manufacturing of rayon and cellophane. Carbon disulfide can also be used as a soil disinfectant (WHO, 1993⁸). Carbon disulfide was not found in either of the two leachate samples from the existing waste investigation, suggesting that this organic compound is not originating from the existing C&D landfill.

The PZ-13 triplet, PZ-17D, and PZ-19D are clustered together along the south/southeastern border of the site. Based on the groundwater modeling presented in the SIR, these wells are located immediately downgradient of a well established wetland system. Therefore, the low level exceedances of phenolics and detectable levels of acetone and carbon disulfide, found in these wells are likely attributable to naturally decaying organic matter within the wetland areas onsite.

3.2.2.2 Existing Groundwater Drain

As described in Section 1.2.6.2 of the Engineering Report, a groundwater drain system was installed below the soil liner for the existing landfill to intercept perched groundwater and discharges it to the ground surface. Groundwater is directed through two four-inch diameter Schedule 40 PVC pipes and two six-inch diameter perforated HDPE pipes. The groundwater drain system discharges at four locations, now designated as Drain Tiles 1 through 4. Typically only the drain at the southeast corner of the existing landfill perimeter, Drain Tile 2, has been observed actively flowing and staining is typically evident on the ground beneath the drain. On August 31, 2011 a steady flow rate of approximately 0.6 gallon per minute (gpm) was measured from Drain Tile 2. The surface discharge spreads laterally without directly entering a surface water body; instead, seeping into the shallow subsurface, and apparently discharging to the drainage channel along Dodge Road. The other three drain tiles have been dry when observed and the surrounding ground does not show evidence of any active discharge.

⁸ World Health Organization. (1979). International Programme on Chemical Safety, Environmental Health Criteria 10: Carbon Disulfide. Geneva, Switzerland. Last updated June 1993. Available at <http://www.inchem.org/documents/pims/chemical/pim102.htm>. Accessed on 12/1/11.

Groundwater samples from Drain Tile 2 were obtained on August 31, 2011⁹, and again on March 26, 2013 as part of a sitewide groundwater sampling event. The drain tile sample analytical data are included in the full laboratory reports presented in Appendices C and D.

Since the drain discharges to the surface, comparisons were made with 6 NYCRR Part 703 C(TS) surface water standards. It is noted that the detection limits for four parameters, mercury, selenium, silver, and thallium, were higher than the C(TS) surface water standard which precludes a definitive comparison; however, all four of the parameters were reported as less than detection. Ammonia is the only parameter for which exceedances were measured in the Drain Tile 2 samples. The surface water standard for ammonia varies between 0.7 and 35 µg/L as a function of pH and temperature. The ammonia concentrations measured in Drain Tile 2 were 49 and 340 µg/L in 2011 and 2013, respectively. Field parameters were not measured on the Drain Tile 2 sample taken on August 31, 2011 so a direct comparison to the standard is not possible. On March 26, 2013, the pH of the Drain Tile 2 sample was 6.58 and the temperature was 8.6 °C. Upon rounding, the applicable surface water standard for ammonia is 1.3 µg/L, which is over two orders of magnitude lower than what was measured in Drain Tile 2. For perspective, the Part 703 GA drinking water standard for ammonia is much higher, at 2,000 µg/L. Ammonia concentrations measured in leachate samples from the existing landfill were of similar concentrations, 340 µg/L in TP-5 and 1,500 µg/L in TP-7, while concentrations reported in groundwater samples are generally less than 100 µg/L and all less than 260 µg/L.

Trichlorofluoromethane (Freon 11) is the single volatile organic compound detected in the groundwater drain sample. The compound was only found in the August 31, 2011 sample. No volatile organic compounds were detected in the Drain Tile 2 sample taken on March 26, 2013. The measured concentration in the August 31, 2011 sample of 4 µg/L is relatively low. For comparison, while there is no C(TS) standard for trichlorofluoromethane, there is a groundwater (drinking water) standard of 5 µg/L. Trichlorofluoromethane was commonly used as a refrigerant, a propellant in aerosol sprays, and a degreaser. It may have originated at this site from air conditioning equipment associated with building demolition. Due to its high vapor pressure and its release on the ground surface, any trichlorofluoromethane found in the discharge is expected to quickly volatilize.

⁹Note that the sample was erroneously labeled “leachate seep” during the existing waste investigation.

Ultimately the groundwater drain system associated with the existing landfill will be removed when the waste from the existing landfill is relocated to the lined expansion and the area is prepared for liner construction. Groundwater that was previously captured by the existing groundwater drain system will be similarly captured by a new groundwater system installed below the double liner system.

3.2.2.3 Existing Landfill Leachate

During an investigation of the existing waste, leachate samples were collected from test pits excavated in the existing landfill when leachate was encountered, including TP-5 taken on September 1, 2011 and TP-7 taken on September 2, 2011. Both leachate samples were analyzed for the Part 360 Baseline parameters. The laboratory report is included as Appendix D.

A summary of detected parameters in the leachate samples is provided in the laboratory report. As shown, leachate quality is consistent with what is expected from a C&D landfill. For instance, the higher sulfate concentration found only in TP-7 is indicative of the presence of drywall in the waste stream. The chromium, copper, and arsenic constituents are likely related to the disposal of chromated copper arsenate (CCA) treated wood, a common material in the waste stream resulting from the demolition and disposal of treated decks, playground equipment and other building sources. Other constituents of note in the leachate sample from TP-7 include mercury at 48 µg/L and lead at 9,400 µg/L. Color, total recoverable phenolics, and several other metals, namely, barium, beryllium, boron, cadmium, iron, magnesium, manganese, nickel, sodium, and zinc, are also elevated in one or both of the leachate samples.

Three volatile organic compounds were detected in the leachate samples at relatively low levels. Acetone was detected in both TP-5 and TP-7 at 4 and 18 µg/L, respectively. Trichlorofluoromethane and vinyl chloride were detected only in TP-5 at concentrations of 7.2 and 5.4 µg/L, respectively. For perspective the TOGS 1.1.1 GA drinking water guidance value for acetone is 50 µg/L and the Part 703 GA drinking water standards for trichlorofluoromethane and vinyl chloride are 5 and 2 µg/L, respectively.

3.2.2.4 Residential Water Supply Wells

Per request from and in cooperation with the Chautauqua County Department of Health and Human Services (CCDHHS), residential wells adjacent to the proposed Carroll Landfill

Expansion site were sampled and tested for Part 360 Baseline Parameters. The testing was conducted to establish the existing water quality in residential wells near the proposed landfill expansion.

The CCDHHS coordinated the well sampling event with the residents. Eight residential water supply wells were sampled during the sampling event. Two of the wells were up or cross-gradient of the proposed Carroll Landfill site and the other six wells were downgradient within 880 feet of the property boundary. The sampling was conducted by personnel from the CCDHHS and samples were analyzed by TestAmerica Laboratory of Amherst, New York. Samples were taken before treatment, if treatment was present, usually from frost free hydrants or outdoor taps.

The results of the residential water supply well sampling event are presented in Table 3-2. To help characterize the data, the results were compared with 6 NYCRR Part 703 GA drinking water standards, TOGS 1.1.1 GA guidance values, the 40 CFR Part 141 National Primary Drinking Water MCLs, and the National Secondary Drinking Water Standards. The strictest standard per parameter was used for comparison, Table 3-2 summarizes all of the exceedances of the strictest standard for the residential well testing. No volatile organic compounds were detected during the testing.

As the results show most parameters in most wells meet the drinking water standards for groundwater. Three wells (B, D, and E) had no exceedances of the groundwater drinking water standards. Residential Well F exceeded the National Primary Drinking Water MCL for arsenic. Arsenic is believed to be naturally occurring in the regional groundwater. Elevated levels of arsenic were measured in the shallow, background well PZ-9S during Round 1 of the existing water quality sampling. Samples were not collected from this well during Round 2. The exceedances of the Part 703 GA standards reported for manganese, iron, and color were similar to the groundwater tested onsite and comparable to regional groundwater data presented in Section 3.2.1. The standards for manganese, iron, and color are based on aesthetics. Exceedances of these standards are considered a nuisance, but not a cause for health concern.

Table 3-2
EXISTING GROUNDWATER QUALITY IN NEARBY RESIDENTIAL WATER SUPPLY WELLS - COMPARISON TO STANDARDS/GUIDANCE VALUES^a
(8/26/2014)

Parameter	6 NYCRR Part 703 GA Standard (Other as Noted)	MONITORING POINT ^b							
		Background Wells		Downgradient Wells					
		A	B	C	D	E	F	G	H
Aluminum	(100 ug/L ^f)								
Ammonia, NH ₃	2,000 ug/L								
Antimony, Sb	3 ug/L								
Arsenic, As	25 ug/L (10 ug/L ^d)						13		
Barium, Ba	1,000 ug/L								
Beryllium, Be	(3 ug/L ^e)								
Boron, B	1,000 ug/L								
Cadmium, Cd	5 ug/L								
Chloride, Cl ₂	250,000 ug/L								
Chromium, Cr	50 ug/L								
Chromium (Hexavalent), Cr(VI)	50 ug/L								
Color	< 15 C.U.						25		
Copper, Cu	200 ug/L								
Cyanide, Cn	200 ug/L								
Iron, Fe	300 ug/L						1,900		
Lead, Pb	25 ug/L (15 ug/L ^d)								
Magnesium, Mg	(35,000 ug/L ^e)								
Manganese, Mn	300 ug/L (50 ug/L ^f)	440					330	520	370
Fe + Mn	500 ug/L	690					2,230	630	590
Mercury, Hg	0.7 ug/L								
Nickel, Ni	100 ug/L								
Nitrate, as N	10,000 ug/L								
pH	6.5 < pH < 8.5								
Phenolics, Total Recoverable	1 ug/L	< 5 ^c	< 5 ^c	< 5 ^c	< 5 ^c	< 5 ^c	< 5 ^c	< 5 ^c	< 5 ^c
Selenium, Se	10 ug/L								
Silver, Si	50 ug/L								
Sodium, Na	20,000 ug/L			83,000					
Sulfate, SO ₄	250,000 ug/L								
Thallium, Tl	(0.5 ug/L ^e)								
Total Dissolved Solids, TDS	500 mg/L								
Turbidity	< 5 NTU								
Zinc, Zn	(2,000 ug/L ^e)								

NOTES:

^a Volatile organic compounds were not detected. Of the remaining parameters, only those with a 6 NYCRR Part 703 GA Standard, Guidance Value, or National Drinking Water Standard are listed.

^b Actual locations of each residential well are not provided for security reasons.

^c Detection limit above standard.

^d 40 CFR Part 141 National Primary Drinking Water Maximum Contaminant Level: Only listed when more stringent than State standard/guidance value.

^e TOGS 1.1.1 GA Guidance Value.

^f National Secondary Drinking Water Standard; Non-mandatory guidelines established for aesthetic considerations. In reference to aluminum, the standard is a flexible range of between 50 and 200 ug/L. A moderate concentration of 100 ug/L was chosen for comparison to be greater than the detection limit (60 ug/L), while still half the maximum concentration acceptable.

The sodium exceedance detected in one residential water supply well, Well C, was over double the highest value detected during the existing water quality sampling events and over four times the Part 703 GA standard. The existing landfill is not the source of the elevated sodium as sodium levels in the leachate samples from the existing landfill were less than half the concentrations detected in residential Well C. The sodium standard is based on the recommended ingestion levels for an adult on a sodium-restricted diet¹⁰. Based on the National Research Council's dietary guideline for sodium intake in adults, concentrations up to 120 mg/L are tolerable by most individuals¹¹. Based on these results there does not appear to be a health concern regarding the current water quality.

3.2.3 Water Quality Summary

A suite of standard chemical analyses from this investigation including, total dissolved solids, chloride, iron, pH, nitrate, and hardness, was compared to historical chemical analyses of groundwater from 119 wells across the Jamestown region, including the area of the site, as reported by Crain (1966). With respect to total dissolved solids, chloride, and nitrate all site specific data are within the historical, regional range or are relatively low as compared to the historical, regional range. The iron concentration in PZ-9S (52 mg/L), is an order of magnitude higher than the highest concentration reported by Crain, at 3.4 mg/L. Iron is an element that is present in many types of rock and naturally present in groundwater from the weathering of iron bearing rock. The composition of unconsolidated deposits and rock is highly variable so it is not unusual for groundwater from one well to be naturally high in iron. The drinking water standard for iron is set for aesthetic purposes. Elevated iron is not considered a health concern.

Regional groundwater hardness is typically characterized as moderately hard (61 – 120 mg/L as CaCO₃) to hard (121 – 180 mg/L as CaCO₃) with a reported range of 46 to 1,090 mg/L as CaCO₃. All results from the site specific samples are within this range with the exception of PZ-13D on October 6, 2011. The hardness in PZ-13D on this day was low, 36 mg/L as CaCO₃,

¹⁰ U. S. Environmental Protection Agency. (2003). Drinking Water Advisory: Consumer Acceptability Advice and Health Effects Analysis on Sodium, EPA 822-R-03-006. Office of Water, Health and Ecological Criteria Division, Washington DC, February 2003.

¹¹ Cadmus. (2001). Sodium: Occurrence and Exposure – Support for Candidate Contaminant List (CCL) Publication Notification of Draft Regulatory Determinations. Submitted to the U.S. Environmental Protection Agency, Office of Water. Contract No. 68-C-99-206.

which characterizes the groundwater in this well as soft. Subsequent sampling of the well on March 27, 2013 resulted in a much more typical hardness concentration of 110 mg/L as CaCO₃.

The range of pH reported by Crain (1966) was 6.9 to 8.6. The pH measured in the majority of wells was not within this range during the first round of sampling in 2011 with three wells under the range (PZ-1M, PZ-6M, and PZ-9D) and three wells above the range (PZ-13 triplet). Most of these discrepancies are not of concern since the pH values still fall within the Part 703 GA standard range. However, the alkaline pH in PZ-13M and PZ-13D is unusually high. Values of pH near 10.5 as measured in these wells are indicative of possible contamination of the well water by the bentonite grout used during well completion (Bartos and Ogle, 2002)¹². Typically, such contamination can be remediated with additional well development. Following the supplemental site investigation, the PZ-13 triplet was re-developed and the pH stabilized at near neutral pH. It is anticipated that the alkaline pH measured in PZ-17D can also be resolved with additional well development. PZ-1M remained low in pH during the 2013 sampling event. All other wells were within the historic range for pH.

To help establish the general character of groundwater at the site, a series of stiff diagrams of major anions and cations were prepared. These diagrams are included in Appendix E. It is noted that due to software peculiarities, the scales are not consistent between plots. For those wells sampled in both the 2011 and the 2013 existing water quality sampling events, only the most recent (i.e., 2013) data were used. In general, groundwater across the site is very consistent in character and has a strong calcium-bicarbonate signature, with sodium becoming more prominent with depth. The scales between plots range narrowly between 2.00 and 4.00 meq/L, indicating relatively similar concentrations. Notable exceptions include PZ-17D, PZ-14M, and PZ-18M. The sodium concentration in PZ-17D was the highest measured in the monitoring wells. The signature of this well is strongly sodium-bicarbonate. It is of note that the stiff diagram for PZ-13D from the 2011 event (not shown) was quite similar to the PZ-17D stiff diagram. Thus, re-development may help realign the signature of this well also. The signatures

¹² Bartos, Timothy T. and Ogle, Kathy Muller. (2002). Water Quality and Environmental Isotopic Analyses of Ground-Water Samples Collected from the Wasatch and Fort Union Formations in Areas of Coalbed Methane Development – Implications to Recharge and Ground-Water Flow, Eastern Powder River Basin, Wyoming, Water-Resources Investigations Report 02-4045. U.S. Geological Survey, Wyoming State Engineer's Office, and the Bureau of Land Development, Cheyenne, Wyoming. Available online at <http://pubs.usgs.gov/wri/wri044045>. Accessed on 12/2/2011.

of PZ-14M and PZ-18M display the higher concentrations of chloride and magnesium found in these wells. While magnesium concentrations are not significantly higher, the chloride concentrations measured in these two wells are approximately one order of magnitude or higher than all other wells. PZ-18M is located adjacent to Sandberg Road. The source of elevated chloride in PZ-14 is unknown. Both concentrations are well below the Part 703 GA standard for chloride.

Stiff diagrams of the leachate samples are also provided in Appendix E. A comparison of the stiff diagrams for the groundwater and leachate reveals similar geochemical signatures, with both displaying a calcium-bicarbonate characteristic, but with concentrations of the major ions nearly an order of magnitude greater in the leachate samples. Note the scale of these diagrams reaches 30 meq/L, as compared to the 2.0 to 4.0 meq/L of the groundwater diagrams. The groundwater-like signature for the leachate suggests it may be diluted with groundwater. This groundwater dilution would be consistent with the reports that perched groundwater hampered the construction of the landfill baseliner, resulting in the installation of the drain tile system to reduce the impacts of groundwater pressure on liner construction.

The final set of stiff diagrams in Appendix E is of the Drain Tile 2 samples. These samples also exhibit the calcium-bicarbonate signature. However, the scales of the Drain Tile 2 samples reach 6.0 and 7.0 meq/L, nearly twice that of most groundwater diagrams indicating elevated levels of total dissolved solids compared to the groundwater. Based on this and the low level of trichlorofluoromethane measured in the 2011 Drain Tile 2 sample, some evidence of a mild leachate impact is apparent in the drainage from Drain Tile 2. Considering the placement of the groundwater drain immediately below the 1×10^{-5} cm/sec soil liner, and the lack of a leachate collection system, this result is not entirely unexpected.

3.2.4 Existing Water Quality Dataset

Existing water quality is defined in clause 360-2.11(c)(5)(i)(c) as the arithmetic mean, per parameter of the analytical results of the samples obtained from the monitoring points within the flow regime prior to the deposition of solid waste; provided there is no reason to believe the distribution of the results is non-uniform. For C&D landfills, subparagraph 360-7.4(a)(4)(iii)

states that the existing water quality analysis may be based on one round of baseline parameters in a representative number of wells, and one round of routine parameters in the remaining wells.

Two additional samples will be collected and analyzed within the twelve months prior to placement of the first lift of waste in the expanded landfill. These two samples will be taken at different times of the year from those samples already collected. Since the two groundwater samples currently in the database were obtained in the fourth quarter of 2011 and the first quarter of 2013, the existing water quality database will be rounded out with samples from the second and third quarters. Thus, the existing water quality dataset will include three samples from most wells identified as part of the initial monitoring well array (see Section 3.3). Overall the existing water quality dataset will consist of 36 samples, which can be separated into groups based on location (background versus downgradient) as summarized in Table 3-3.

Table 3-3: Existing Water Quality Dataset

<u>Background</u>	<u>Downgradient</u>	<u>TOTAL</u>
13	23	36

3.3 MONITORING WELL ARRAY

In accordance with subparagraph 360-7.4(a)(4)(ii) for C&D landfills, the first water bearing unit below the landfill will be the focus of groundwater monitoring. Based on the site specific landfill design and the findings of the site investigation and groundwater modeling, the groundwater monitoring program will mainly target the HWS/Upper Bedrock. In addition, a select number of monitoring wells have been positioned to be directly in the flow path of downgradient residential water supply wells. Based on the depth of one residential well, one of these monitoring wells is screened in the deeper bedrock.

The groundwater monitoring network includes piezometers to measure groundwater heads for flow mapping, monitoring wells to measure groundwater heads and to obtain samples for water quality analysis, and groundwater drains associated with the existing landfill, as well as, the new landfill construction. The monitoring wells have been and will be installed in accordance with current Part 360 requirements for monitoring wells. Many of the piezometers and monitoring wells are placed in couplet or triplet installations, allowing for the evaluation of vertical and

horizontal groundwater gradients across the site. Monitoring well construction design details are provided in Figures 3-1a and b for the medium depth, and deep well installations, respectively.

The glacio-fluvial deposits will be monitored where they remain in place below the baseliner system. As described in the Engineering Report, the landfill design includes a geocomposite porewater drain to control uplift, as shown on Figure 3-2. The porewater drain crosses all monitoring zones such that it does not exclusively monitor the glacio-fluvial deposits; however, seepage from the glaciofluvial deposits will be captured by the porewater drain. Groundwater discharging from the sump for the porewater system (GWD-1) will be sampled as part of the Operational Water Quality Monitoring Program.

Since the glacio-fluvial deposits will be largely removed by the construction of the landfill, the downgradient HWS/Upper Bedrock groundwater will be monitored as the primary CSS with six monitoring wells as shown on Figure 3-2. The location of one existing well intended for the monitoring program, MW-10M, interferes with the final facility design. This well and its associated shallow piezometer will require abandonment. MW-10M will remain in the monitoring well array until replacement is required prior to Phase 5 (see Sheet PD-10 of the Permit Drawings) when Sediment Basin 2 and its associated graded filters are constructed. MW-10M will be replaced with MW-10M-R at that time.

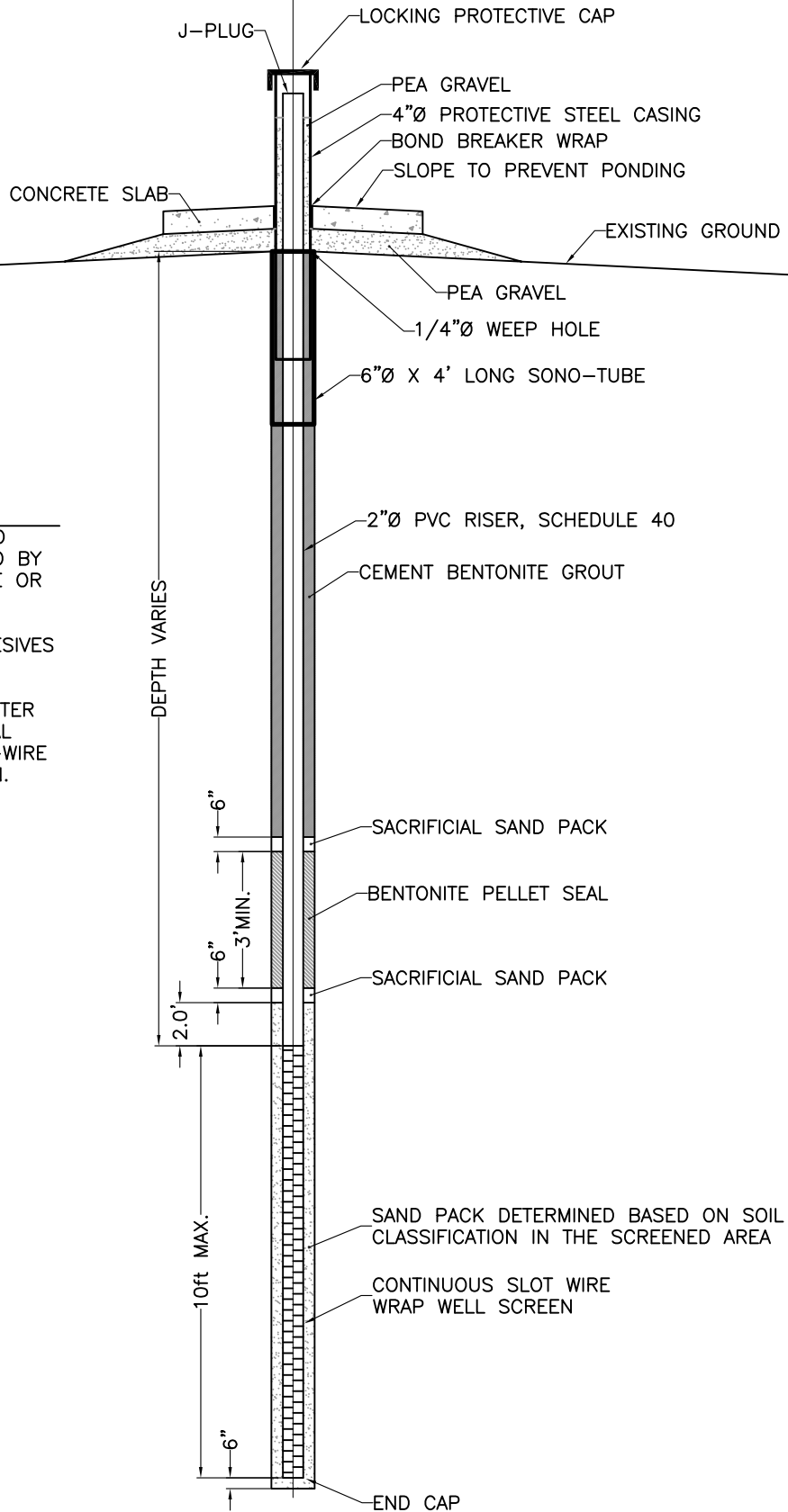
Several of the HWS/Upper Bedrock wells, namely MW-10M, MW-16M and MW-19D, plus one monitoring well installed in the deeper bedrock, MW-17D, were placed based on locations of downgradient residential drinking water wells (see Figure 2-1). Placement of these monitoring wells in the flow path of the residential wells will allow detection of any potential effect to drinking water before it migrates offsite. A replacement location for MW-10M was also chosen to remain in the flow path of the residential well it is intended to monitor.

In accordance with clause 360-2.11(c)(1)(i)(b), groundwater monitoring well spacing does not exceed 500 feet along the downgradient perimeter of the facility in the uppermost water-bearing unit of the CSS, and upgradient or cross-gradient well spacing does not exceed 1,500 feet. Table 3-4 provides a summary of points that will be monitored for static water level and for groundwater quality sampling, and identifies the water bearing zones to be monitored at each location.

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NOTES:

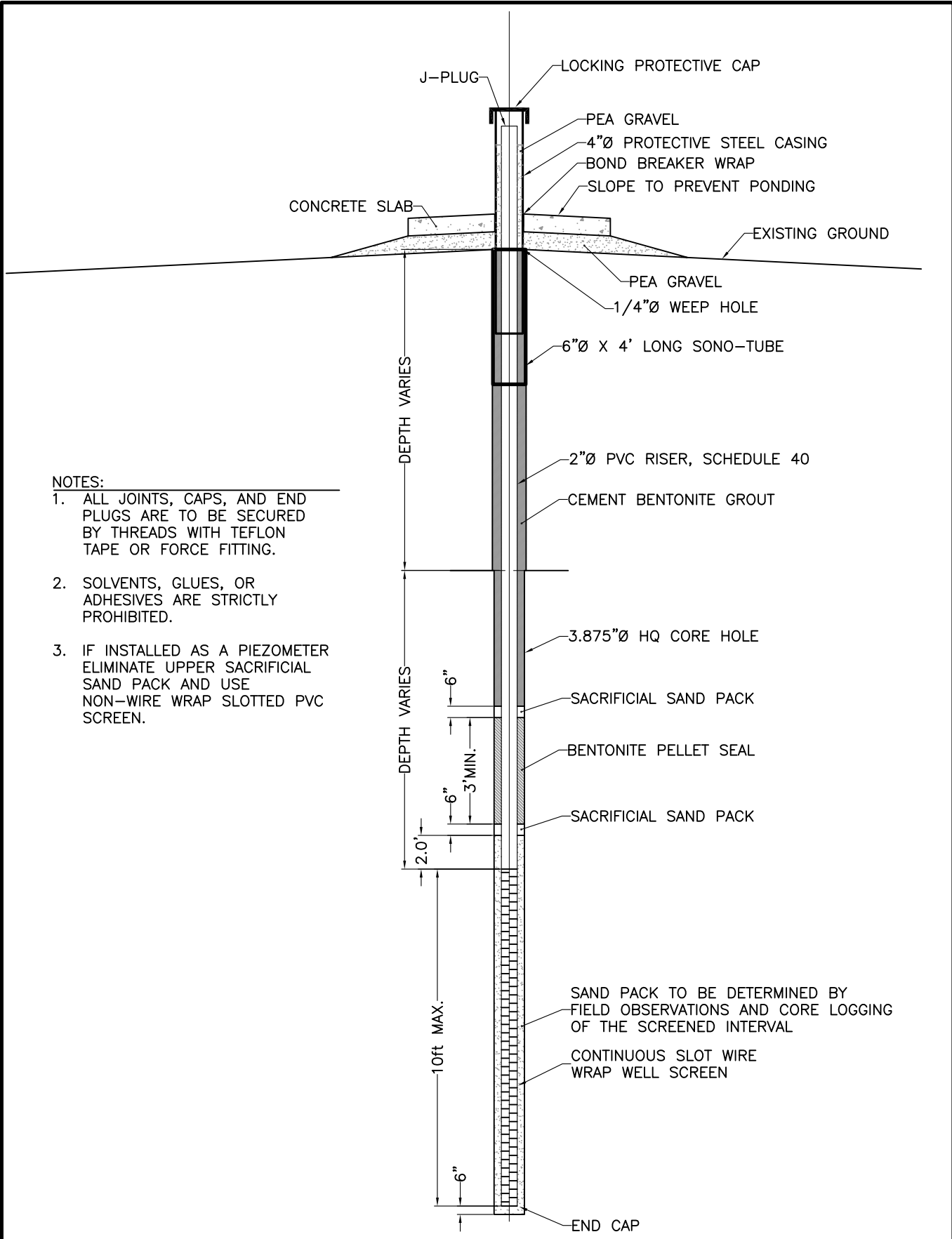
1. ALL JOINTS, CAPS, AND END PLUGS ARE TO BE SECURED BY THREADS WITH TEFLON TAPE OR FORCE FITTING.
2. SOLVENTS, GLUES, OR ADHESIVES ARE STRICTLY PROHIBITED.
3. IF INSTALLED AS A PIEZOMETER ELIMINATE UPPER SACRIFICIAL SAND PACK AND USE NON-WIRE WRAP SLOTTED PVC SCREEN.



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TYPICAL MEDIUM DEPTH (M) MONITORING WELL DETAIL			FIGURE 3-1a
CARROLL LANDFILL EXPANSION APPLICATION			
SEALAND WASTE, LLC			
TOWN OF CARROLL	CHAUTAUQUA COUNTY	NEW YORK	
February 2014	SCALE: NOT TO SCALE	REVISION # 0	

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NOTES:

1. ALL JOINTS, CAPS, AND END PLUGS ARE TO BE SECURED BY THREADS WITH TEFLON TAPE OR FORCE FITTING.
2. SOLVENTS, GLUES, OR ADHESIVES ARE STRICTLY PROHIBITED.
3. IF INSTALLED AS A PIEZOMETER ELIMINATE UPPER SACRIFICIAL SAND PACK AND USE NON-WIRE WRAP SLOTTED PVC SCREEN.

TYPICAL DEEP (D) MONITORING WELL DETAIL

CARROLL LANDFILL EXPANSION PROJECT

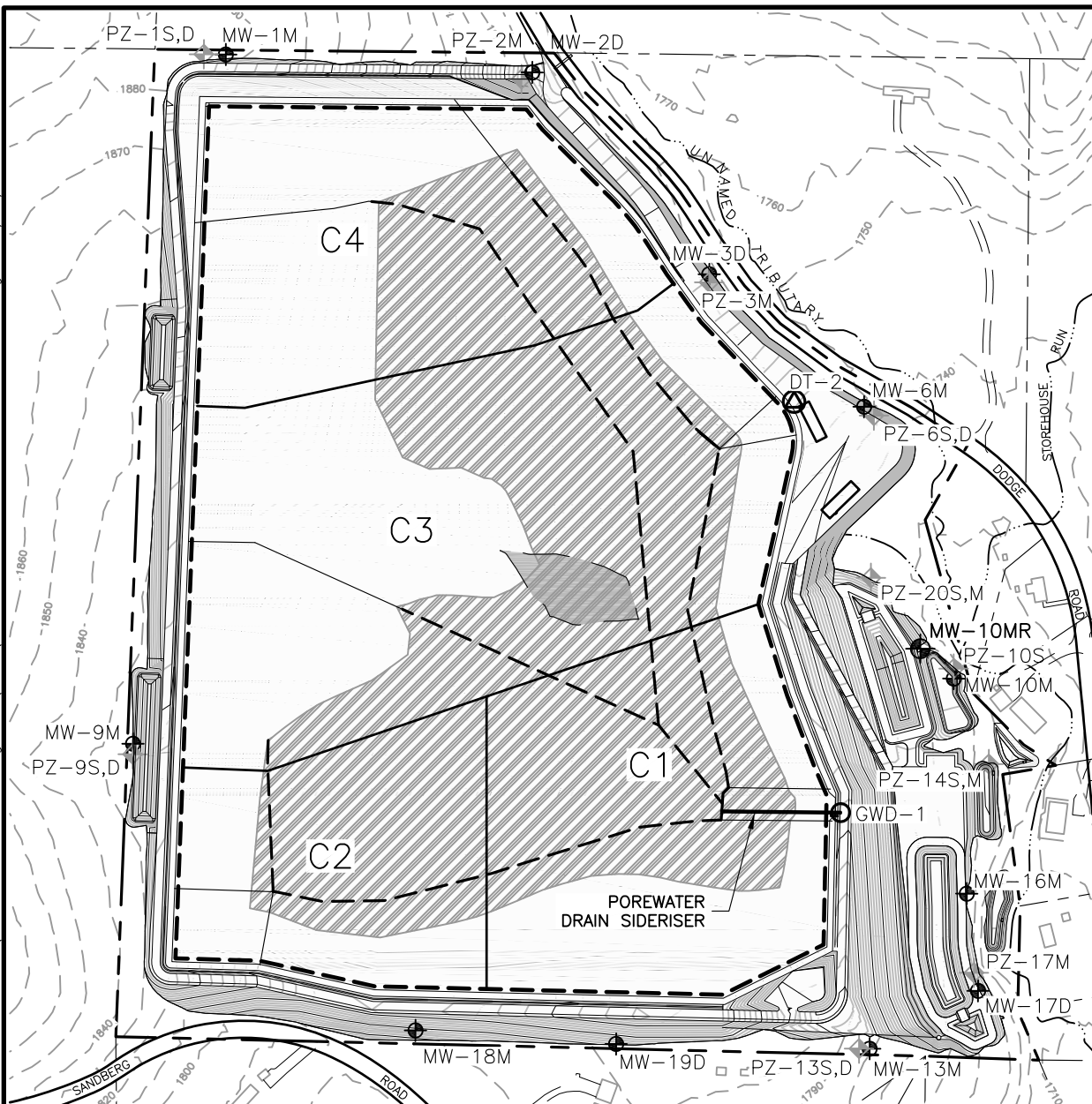
SEALAND WASTE, LLC			FIGURE 3-1b
TOWN OF CARROLL	CHAUTAUQUA COUNTY	NEW YORK	
February 2014	SCALE: NOT TO SCALE	REVISION # 0	

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



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Q:\Sealand\02-0104_Carroll Landfill\Environmental Monitoring Plan\ACAD\FIG 3-2 GROUNDWATER MONITORING PLAN.dwg 10/21/2015 3:26 PM



LEGEND

-  PZ-1S,D STANDPIPE PIEZOMETER
-  MW-7M MONITORING WELL
-  GWD-1 GROUNDWATER DRAIN
-  DT-2 EXISTING 4"Ø PVC DRAIN TILE
-  -1750- EXISTING GROUND CONTOUR
-  - - - - - LIMIT OF WASTE
-  C2 OPERATIONAL CELL AND NUMBER DESIGNATION
-  - - - - - PROPERTY BOUNDARY
-  APPROXIMATE LIMITS OF THE GLACIO-FLUVIAL DEPOSIT REMAINING BELOW THE BASE OF THE LANDFILL
-  LIMIT OF GEOCOMPOSITE POREWATER DRAIN
-  - - - - - PERFORATED DRAIN PIPE
-  ———— SOLID POREWATER DRAIN PIPE/CLEANOUTS

NOTES:

1. DRAIN TILE 2 (DT-2) ASSOCIATED WITH THE EXISTING LANDFILL WILL BE MONITORED UNTIL IT IS REMOVED DURING RELOCATION OF EXISTING WASTE.
2. GWD-2 IS THE DISCHARGE FROM THE GEOCOMPOSITE POREWATER DRAIN SUMP.
3. THE LOCATION OF MW-10M INTERFERES WITH THE FINAL FACILITY DESIGN AS SHOWN AND WILL BE REPLACED WITH MW-10MR PRIOR TO PHASE 5 OF THE PHASING PLAN.



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SEALAND WASTE, LLC		GROUNDWATER MONITORING PLAN		FIGURE 3-2
SCALE: 1"=300'	REVISION # 1	CARROLL LANDFILL ENVIRONMENTAL MONITORING PLAN		
October 2015	TOWN OF CARROLL	CHAUTAUQUA COUNTY	NEW YORK	

Table 3-4: Water Quality Monitoring Array Summary

Monitoring Point	Position	Mid-Screen Depth (feet BGS)	Zones Monitored
MW-1M	Background	85.1	Lower Bedrock
MW-2D	Background	47.0	HWS/Upper Bedrock
MW-9M	Background	66.0	HWS/Upper Bedrock
MW-18M	Background	46.9	HWS/Upper Bedrock
MW-3D	Downgradient	37.5	HWS/Upper Bedrock
MW-6M	Downgradient	25.5	HWS/Upper Bedrock
MW-10M*	Downgradient	31.5	HWS/Upper Bedrock
MW-13M	Downgradient	103.2	HWS/Upper Bedrock
MW-16M	Downgradient	50.2	HWS/Upper Bedrock
MW-17D	Downgradient	100.3	Lower Bedrock
MW-19D	Downgradient	125.3	HWS/Upper Bedrock
GWD-1	Downgradient	NA	Crosses all zones
Drain Tile 2*	Downgradient	NA	Unknown

* Until abandoned/removed in Phase 5, and replaced with MW-10M-R.

Static water levels will be obtained from the monitoring points listed in Table 3-4, as well as a select group of additional piezometers, for the purpose of groundwater flow mapping. Table 3-5 summarizes those points monitored for static water levels only and identifies the water bearing zones to be monitored at each location.

Table 3-5: Additional Water Level Monitoring Points

Monitoring Point	Zones Monitored
PZ-1S	GT/RDM/HWS
PZ-1D	Lower Bedrock
PZ-2M	HWS/Upper Bedrock
PZ-3M	HWS/Upper Bedrock
PZ-6S	RDM/HWS
PZ-6D	Lower Bedrock
PZ-9S	GT
PZ-10S*	GT
PZ-13S	GF
PZ-13D	Lower Bedrock
PZ-17M	HWS/Upper Bedrock
PZ-20S	GT/HWS
PZ-20M	HWS/Upper Bedrock

GT = Glacial Till

RDM = Residium

GF = Glacio-fluvial Deposits

*Until abandoned in Phase 5

3.4 GROUNDWATER SAMPLING SCHEDULE/ANALYTES

The operational groundwater quality monitoring program will consist of three routine and one baseline sampling event per year. The baseline sampling event will take place during the third quarter of each year. Groundwater samples will be obtained quarterly from monitoring wells and the groundwater drains; for instance, during the months of March, June, September, and December. After the first year of sampling and analysis, Sealand may, in accordance with subparagraph 360-7.4(a)(4)(iv), petition the NYSDEC for a modification of the sampling program to monitor routine parameters on a semi-annual basis.

Qualified personnel will collect all samples. All laboratory analysis will be performed at a laboratory that is certified by the New York State Health Department under their Environmental Laboratory Approval Program (ELAP). Static groundwater levels will be measured to the nearest hundredth of a foot from a known datum at each point prior to purging and will be converted to the corresponding elevation above mean sea level for reporting purposes. Additional detail on the sampling requirements is provided in the Site Analytical Plan (SAP) prepared for the Carroll Landfill Expansion Application.

3.5 OPERATIONAL WATER QUALITY MONITORING

3.5.1 General Approach

Initially, groundwater monitoring and data evaluation will rely on interwell statistics (i.e., pooling of data into background and compliance datasets). Ultimately, “intra-well” comparisons (i.e., data from each compliance point compared to their own history) of groundwater data will form the basis of the program to eliminate the effects of spatial variability and provide an overall more robust monitoring program. Intra-well groundwater data will be evaluated with respect to the historical concentrations at each point, and especially to leachate quality data to determine potential impacts from the landfill on groundwater resources. Leachate samples will be collected from the leachate sump, as described in Section 6.2, for the purpose of establishing leachate characteristics.

New data generated by the sampling events, laboratory analysis, independent validation and usability assessment will be entered into a site wide analytical database. Groundwater quality evaluations will focus on procedures that determine whether or not a significant change in the

concentration of any of the parameters may have occurred at the individual monitoring locations. These current data will be analyzed for trend, and will be compared to groundwater standards, existing water quality values (EWQVs), and trigger values.

Significantly increasing or decreasing concentrations of parameters in groundwater will be detected through time series and trend analysis. Exceedances of groundwater standards will be summarized in table format. EWQVs will be established using a proper statistic according to the amount and distribution of analytical results. Trigger values established by the statistical analysis of data will provide benchmarks that, if exceeded, would signal a significant change in water quality. The approach for establishing EWQVs and trigger values is described in Section 3.5.2. Any significant change, once confirmed by supplemental analysis of these data as described in Section 3.5.4, would result in the initiation of a contingency groundwater monitoring program, as described in Section 5.1.

3.5.2 Establishment of EWQVs and Trigger Values

Initial EWQVs will be established after the dataset in Table 3-3 is achieved, but prior to the deposition of waste. As discussed earlier, the regulatory definition of existing water quality is the arithmetic mean, per parameter of the analytical results obtained prior to the deposition of solid waste; provided there is no reason to believe the distribution of the results is non-uniform. Initially, the dataset will be limited and a normal distribution will be assumed to calculate arithmetic means consistent with clause 360-2.11 (c)(5)(i)(c).

There are two hydrogeologic zones being monitored by the monitoring well array; HWS/Upper bedrock and Lower bedrock. Typically each hydrogeologic zone monitored is analyzed separately. For the Carroll Landfill site, there are no confining layers providing separation between monitored zones of the substrata. Therefore, it is considered acceptable to pool data from both HWS/Upper bedrock and Lower bedrock wells. Prior to deposition of new waste it is considered acceptable to pool background with downgradient well results, provided the data do not indicate any existing differences in groundwater quality. To check the initial dataset for statistical differences between HWS/Upper bedrock and Lower bedrock wells and between the background and downgradient wells, parametric analysis of variance will be utilized. The existing water quality database, as described in Section 3.2.4, will be sufficient to run parametric

analysis of variance in that all but one of the 11 wells in the dataset will have a minimum of three samples, and for every comparison made, the total number of samples minus the total number of wells involved is greater than five. Once the degree to which the data can be pooled is determined, initial EWQVs will be established using arithmetic means. The variation in the initial dataset will also be established using standard deviations. Initial trigger values will be the EWQV plus three standard deviations.

Initial EWQVs and trigger values will be used until the dataset contains a minimum of ten valid data points for each well in the monitoring array per parameter. Routine parameters will reach this threshold several years prior to baseline only parameters given the differences in sampling frequency (i.e., quarterly versus annually). Once ten valid data points have been accumulated, sufficient data will be available to initiate intrawell statistics. These data will be reviewed for outliers and assumptions of normal distribution, as well as for evidence of trending. Provided these data show no evidence of trending and are normally distributed, or can be made normally distributed through transformation, EWQVs and trigger values will be re-established on an individual well basis. As the database expands, the EWQV and trigger values will be reevaluated and updated if appropriate on a regular schedule.

When assumptions of normality cannot be supported even with transformation, an appropriate EWQV cannot be computed and the parameter will be analyzed using interwell non-parametric prediction limits. Intrawell non-parametric prediction limits are not recommended for datasets with less than 20 historical, non-impacted samples per well due to the inherently low statistical power of the test, but could be phased in once the dataset reaches this threshold to minimize the percentage of false positives by eliminating natural spatial variability.

3.5.3 Operational Evaluation of Groundwater Data

Within 90 days of completing field sampling activities, Sealand is to determine whether or not there is a significant change in water quality as established for each monitoring point of compliance. According to subclause 360-2.11(c)(5)(ii)(d)(2), a significant increase has occurred if the groundwater quality for any parameter at any well exceeds the EWQV for that parameter by three standard deviations (EWQV trigger value). This approach will be used for parameters with established EWQVs. Interwell (or possibly intrawell once a sufficient database has been

constructed) non-parametric prediction limits will be used for all other parameters. A significant change will be further investigated if a parameter concentration exceeds the EWQV (or the non-parametric prediction limit) and the Class GA water quality standard for that parameter as specified in 6 NYCRR Part 703 (or the 40 CFR Part 141 National Primary Drinking Water MCL if more stringent).

Once the fully qualified data have been incorporated into the analytical database, the following groundwater quality data queries will be generated by the database for review:

- Groundwater Standard and EWQV/Non-Parametric Prediction Limit Exceedance Query;
- EWQV Trigger/99% Confidence Level Non-Parametric Prediction Limit Exceedance Query;
- Maximum/Minimum Value Query; and,
- New Detection Query.

The results of these queries will be presented in the environmental monitoring reports as discussed in Section 7.

3.5.3.1 Trend Analysis

Time series analysis will be prepared for all groundwater quality sampling locations, and the plots will be used to help detect and characterize geochemical trends. The purpose of the graphical time series method of analysis will be to identify increasing parameter concentrations which might signal a potential release from the landfill or from some other source.

- In the event a trend is suspected, a statistical test for trending will be used to determine whether the variations in parameter concentrations over time are random, or whether the concentration of each parameter being evaluated is increasing or decreasing. The Mann-Kendall test for trend (Mann, 1945; Kendall, 1975) is a non-parametric procedure that does not require any particular data distribution. By using the relative magnitudes of the data rather than the measured values, this test provides a structured approach to determining whether a trend exists, with explicit confidence levels. The Mann-Kendall procedure is not limited by sample size. However, should the data appear to have seasonal influences, the Seasonal Kendall Test should be employed. The proper form of the Mann-Kendall test will be decided at the time the test is being performed.

3.5.3.2 Groundwater Standard and EWQV/Non-Parametric Prediction Limit Exceedance Query

The Groundwater Standard and EWQV/Non-Parametric Prediction Limit Exceedance Query will list all parameters determined to be present at concentrations exceeding the groundwater standard (or MCL) and the EWQV/Non-Parametric Prediction Limit for that parameter. An assessment of the data will be made to determine if the noted concentration is landfill related or is indicative of natural water quality variation.

3.5.3.3 EWQV Trigger/99% Confidence Level Non-Parametric Prediction Limit Exceedance Query

The EWQV Trigger/99% Confidence Level Non-Parametric Prediction Limit Exceedance Query will identify any parameter whose concentration varies from the EWQV trigger value established for that parameter by the statistical analysis of existing groundwater quality data (e.g. for a normal distribution, by 3 standard deviations) or exceeds the non-parametric prediction limit at a confidence level equal to or greater than 99%. In the event this query identifies an offending parameter concentration, a significant increase will be assumed and further evaluation of the exceedance will be completed as described in Section 3.5.4.

3.5.3.4 Maximum/Minimum Value Query

For most parameters, the focus will be on maximum values for the parameter indicating a higher concentration than previously measured for that parameter. For other parameters such as pH, detecting a low value may be as significant as a high value. The Maximum/Minimum Value Query will list any parameter whose current concentration is greater than the highest previously recorded value in the water quality database, or lower than the lowest previously recorded value in the water quality database.

3.5.3.5 New Detection Query

The New Detection Query will list any measured concentration of any parameter not previously detected in water quality monitoring for each location. Should any parameter be detected for the first time, it will be evaluated for compliance with groundwater standards. If the subject parameter is determined to be present at levels exceeding the Practical Quantitation limit (PQL) and the groundwater standard, a significant increase will be assumed.

3.5.4 Supplemental Data Assessments

Subclause 360-2.11(c)(5)(ii)(f)(3) allows that the facility owner/operator may attempt to demonstrate to the Department that an apparent significant increase resulted from an error in sampling, analysis, or natural variation in groundwater quality. A report documenting this demonstration must be submitted to the Department for approval. If such a demonstration is made, documented and approved by the Department, the facility owner/operator may continue operational water quality monitoring.

In the event the operational evaluation of groundwater data indicates a potentially significant change in the concentration of a parameter, a supplemental assessment will be completed to determine whether the change is related to the land disposal operation or is caused by some other factor.

Sealand anticipates the most common issue that may arise in confirming whether a significant change has occurred is the difficulty associated with the multiple comparisons required by the monitoring program. The approach to addressing the multiple comparison effect on the Type I error (false positive) rate will be to review a subset of the data in an extended analysis, utilize geochemical diagrams to fingerprint source and groundwater matrices, and if necessary, re-sample the compliance points in question.

3.5.4.1 Leachate Indicators

Sealand will evaluate subsets of the parameters that are monitored as part of the supplemental assessment. While all the required parameters will be sampled and analyzed, Sealand will focus the extended evaluation by concentrating on those parameters found to be present in measurable concentrations in groundwater which are also found in leachate where a relatively large number of observations are available. Target parameters include leachate parameters that are significantly elevated above background groundwater concentrations, that may be uniquely associated with this landfill, and that are thought to be relatively mobile in groundwater.

3.5.4.2 Geochemical Diagrams

The supplemental assessment of the analytical results will utilize Stiff and Piper diagrams to establish the prevalent elemental character of the groundwater from each monitoring location and landfill leachate sources. These diagrams plot the major ions and anions including calcium,

magnesium, sodium, potassium, bicarbonate, sulfate, and chloride. The shape and scale of Stiff diagrams from source leachate will be compared to the shape and scale of Stiff diagrams for downgradient monitoring locations to determine differences in groundwater quality that might indicate impacts by landfill-derived components. Piper diagrams can help determine whether leachate is mixing with groundwater, indicated by a linear pathway plotting between the leachate source, the downgradient point of compliance and background water quality.

3.5.4.3 Extended Statistical Analysis

The statistical procedures used for groundwater data evaluations must provide appropriate performance standards for accuracy. By specifying that a significant change has occurred at a variation from the EWQV (mean) of three standard deviations, the Part 360 regulations imply a performance standard of something greater than 99% confidence. This would be consistent with EPA's requirement for a Type I error rate of no greater than 0.01 for individual comparisons. Based on these regulatory requirements, decisions regarding significant changes in water quality parameter concentrations will be confirmed at this confidence level.

Sealand will use verification re-sampling to increase the strength of the statistical evaluations. Should any parameter be found to exceed the updated trigger value and represent a potentially significant change, the location(s) exhibiting the exceedance will be re-sampled for that parameter within 14 days. If the re-sample results fall below the corrected trigger value, no significant change will have occurred. Should the re-sample results be greater than the trigger value at the required confidence level, a significant change will have occurred and contingency water quality monitoring, as described in Section 5, will be initiated.

3.6 SELECT RESIDENTIAL WATER SUPPLY WELL MONITORING

At the request of the CCDHHS, Sealand will include ongoing monitoring for select residential water supply wells upgradient and immediately downgradient of the site. Based on the relative proximity of the residential wells to the site and the groundwater flow patterns, the select wells to be included in this plan are Residential Wells B, C, D, and G. This sampling is beyond what is required by the NYSDEC for a Part 360 Permit and is being included as a neighborly gesture. It will be the CCDHHS's responsibility to coordinate with the laboratory field staff and confirm the property owner's willingness to participate in the program. Once the program is in place, the

laboratory field staff will obtain permission from the property owners prior to each sampling event.

Residential water supply wells will be sampled on an annual basis during the third quarter sampling event for Part 360 baseline parameters. Because little to no information is available regarding the construction and depth of these residential wells, their data will be kept separate from the data collected through the onsite monitoring program. Analysis of the data will be limited to observations for evidence of increasing trends in leachate indicators. The residential water supply well data also may be reviewed as supporting evidence for a supplemental assessment as described in Section 3.5.4.

4 SURFACE WATER AND SEDIMENT MONITORING

4.1 SAMPLE COLLECTION

Surface water and sediment samples will be collected quarterly at three locations as shown in Figure 4-1 as part of the Operational Water Quality Monitoring Program sample collection events. To help ensure representativeness, samples will not be collected during, or less than two days following, a rainfall event of 0.1 inch or greater. If a rainfall event commences at the start of or during surface water and sediment collection, the sampling team will decide whether or not sampling is completed that day, or halted and completed under more appropriate weather conditions.

Surface water and sediment sampling protocols are described in more detail in the SAP.

4.1.1 Surface Water

Surface water samples will always be collected prior to sediment sampling. Surface water samples will be collected as single grab samples.

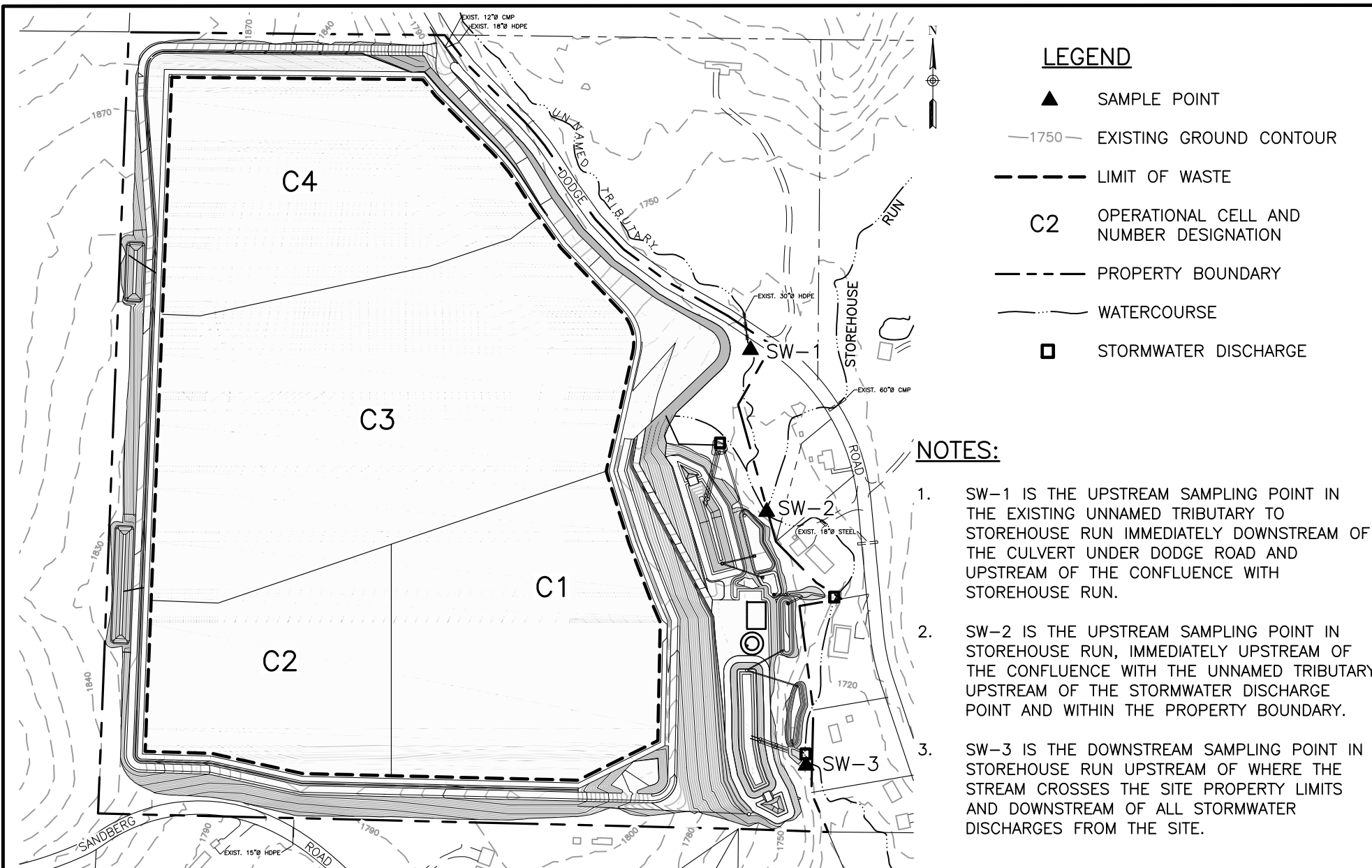
Surface water samples will be collected in a manner that minimizes disturbance of the stream bed. Samples will be collected in a sequence starting with the most downstream location and proceeding upstream. If the surface water samples are collected by hand, they will be collected from the stream bank by either directly filling the sample containers or by using a dipper container attached to a telescoping rod (if necessary) and filling the sample containers from the dipper container. The dipper container will be decontaminated between each sampling location.

4.1.2 Sediment

Sediment samples will be collected at each of the three surface water sampling locations shown in Figure 4-1. Sediment samples will be collected immediately subsequent to the collection of surface water samples.

4.1.3 Staff Gauge Readings

Staff gauge measurements will be taken from staff gauges SG-001, SG-002, and SG-003, to be located at the surface water sampling points shown on Figure 4-1, immediately following completion of sediment sample collection.



LEGEND

- ▲ SAMPLE POINT
- 1750— EXISTING GROUND CONTOUR
- LIMIT OF WASTE
- C2 OPERATIONAL CELL AND NUMBER DESIGNATION
- PROPERTY BOUNDARY
- ~ WATERCOURSE
- STORMWATER DISCHARGE

NOTES:

1. SW-1 IS THE UPSTREAM SAMPLING POINT IN THE EXISTING UNNAMED TRIBUTARY TO STOREHOUSE RUN IMMEDIATELY DOWNSTREAM OF THE CULVERT UNDER DODGE ROAD AND UPSTREAM OF THE CONFLUENCE WITH STOREHOUSE RUN.
2. SW-2 IS THE UPSTREAM SAMPLING POINT IN STOREHOUSE RUN, IMMEDIATELY UPSTREAM OF THE CONFLUENCE WITH THE UNNAMED TRIBUTARY UPSTREAM OF THE STORMWATER DISCHARGE POINT AND WITHIN THE PROPERTY BOUNDARY.
3. SW-3 IS THE DOWNSTREAM SAMPLING POINT IN STOREHOUSE RUN UPSTREAM OF WHERE THE STREAM CROSSES THE SITE PROPERTY LIMITS AND DOWNSTREAM OF ALL STORMWATER DISCHARGES FROM THE SITE.

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SEALAND WASTE, LLC		SURFACE WATER AND SEDIMENT MONITORING PLAN			FIGURE 4-1
SCALE: NOT TO SCALE	REVISION # 1				
NOVEMBER 2016		TOWN OF CARROLL	CHAUTAUQUA COUNTY	NEW YORK	

4.2 ANALYTES AND DATA EVALUATION

4.2.1 Analytes for Surface Water

Surface water samples will consist of three Part 360 Routine and one Part 360 Baseline sampling event per year in coordination with the groundwater monitoring program. The baseline sampling event will take place during the third quarter of each year. In addition, the routine and baseline events will be sampled and analyzed for Total Suspended Solids (TSS).

4.2.2 Analytes for Sediment

Sediment samples will be collected and analyzed for a modified list of routine and baseline parameters concurrently with the surface water samples. The routine and baseline sampling and testing will include a hydrometer grain size analysis. Color is omitted from the baseline parameters for the purpose of sediment monitoring. The following parameters have been omitted from both the routine and baseline sediment parameter list:

- specific conductance;
- temperature;
- Eh;
- turbidity;
- biochemical oxygen demand;
- total dissolved solids; and,
- total hardness.

4.2.3 Upstream Benchmarks and Trigger Values

In accordance with paragraph 360-2.11(c)(2), existing water quality analysis for surface water in flowing water bodies such as Storehouse Run are not computed. The surface water quality evaluations will rely on upstream benchmarks. Upstream benchmark concentrations for surface water and sediments will be established for each parameter of interest and will be derived from historical upstream data. Measures of central tendency and variation will be calculated and will be updated annually. Upstream benchmarks will act as historical background concentrations against which downstream concentrations will be compared.

Trigger values will be established for all parameters of interest and will indicate when and what type of contingency measures will be taken. The trigger value for any given parameter will be a function of the percentage of non-detects among other factors.

4.2.4 Data Evaluation

Downstream concentrations will be compared to upstream benchmarks, trigger values, and applicable New York State Class C(TS) water quality standards and guidance values.

In general, the exceedance of trigger values will lead to further assessment as to whether or not contingency monitoring is warranted. Such assessments would include an in-depth look at the facility's operation to determine if an onsite source, or a source other than the facility is causing the increase in parameter concentrations; an assessment of the possibility that that downstream concentration was a result of laboratory contamination or error; and/or a qualitative comparison between the downstream concentration and the upstream concentration for the current sampling event. These evaluations would be included, along with a description of any related actions, in routine reports provided to NYSDEC.

In all cases, if a downstream metal concentration in the sediment sample exceeds the Severe Effect Level (SEL) as set forth in the NYSDEC Sediment Guidance, contingency monitoring will commence. If contamination at or above the SEL is verified, appropriate steps will be taken as outlined in the NYSDEC Sediment Guidance to minimize the risk posed by the contaminated sediment on the environment. In the event that a measured sediment value is above the Lower Effect Level (LEL) as set forth in the NYSDEC Sediment Guidance, but below the SEL, the value would be highlighted in all reports and a decision as to whether to institute contingency monitoring would be made in consultation with NYSDEC.

5 CONTINGENCY WATER QUALITY MONITORING

5.1 GROUNDWATER

Contingency groundwater monitoring will be undertaken in the event that exceedances of the trigger values are identified and confirmed in the course of the Operational Water Quality Monitoring Program. The following subsections of this EMP describe the timeframes, reporting requirements, and sampling/analysis approach for the Contingency Groundwater Quality Monitoring Program.

Within 90 days after the sample event that initiated the Contingency Groundwater Quality Monitoring Program, all compliance points in the groundwater monitoring array will be sampled and analyzed for the Part 360 baseline parameters. These data will then be evaluated for significant changes in the same manner defined for the Operational Water Quality Monitoring Program. If the concentrations of any of the baseline parameters are found at or below the trigger values for two consecutive quarters, Sealand will petition the Department for approval to remove those parameters from the Contingency Water Quality Monitoring Program. If all baseline parameters of interest are found at concentrations at or below the trigger values for two consecutive quarters, Sealand will petition the Department to return to the Operational Water Quality Monitoring Program.

If any of the baseline parameter concentrations in downgradient locations exceed the established triggers and the water quality standards established by 6 NYCRR Part 703, the supplemental analysis to determine significance as described in Section 3.5.4 will be completed. Should this review and evaluation conclude a significant change has occurred; two independent samples from each of the points will be obtained within 30 days for analysis of the detected constituents. The first sample will be obtained within 15 days of the determination that a statistically significant change may have occurred, the second sample will be obtained 14 days after the first. These data will be evaluated for significant changes, and the results of this evaluation will be submitted to the Department within 14 days of obtaining all analytical results.

If any of the baseline parameters have been detected in downgradient points at concentrations determined to represent a significant change for that parameter, the annual sampling program will include analysis of routine parameters plus the baseline parameter constituents of interest for

three quarters, and one quarter of sampling for baseline parameters. In addition, groundwater protection standards will be established for all the parameters of interest (i.e., those parameters for which significant increases have been determined), as defined by clause 360-2.11(c)(5)(iii)(f).

If the concentrations of any baseline parameters are found to be above the trigger value but below the groundwater protection standards, Sealand will continue contingency water quality monitoring. If one or more of the baseline parameters are found at concentrations significantly above the groundwater protection standard established for that compound in any sampling event, Sealand will notify the Department of the details of the exceedance(s) within 14 days. In addition, Sealand will advise the Supervisor of the Town of Carroll, and potentially affected property owners of the notification provided to the NYSDEC. Further, Sealand will review the data for possible alternative reasons for the increase, and take steps to characterize the nature and extent of the suspected release. Sealand will install at least one additional monitoring well at the facility boundary in the direction of contaminant migration, sample this well in accordance with the Contingency Water Quality Monitoring Program and initiate an assessment of corrective measures as defined by section 360-2.20.

5.2 SURFACE WATER AND SEDIMENT

Contingency surface water and sediment monitoring would involve the selection and use of additional sampling locations, an extended list of analytical parameters and communication with the NYSDEC.

Within 90 days after the sample event that initiated the Contingency Water Quality Monitoring Program, surface water and sediment samples will be collected from the three operational surface water and sediment monitoring locations, and from two additional sampling locations in the vicinity of the location that triggered contingency. These samples will be analyzed for Part 360 baseline parameters. For each baseline parameter detected, an assessment will be made to determine possible causes for detection. If it can be concluded that the detection was not facility-related, either based on laboratory contamination or a similar upstream concentration, subsequent contingency samples will not be analyzed for that parameter. If it cannot be concluded that the detection was not facility-related, the parameter will be added to the Part 360

routine parameter list, and this contingency routine list will be used for related contingency monitoring efforts.

Within 14 days of receiving analytical data from the initial analysis of Part 360 baseline parameters, the NYSDEC will be notified of any baseline parameter detected and will be provided with a description of planned contingency monitoring activities. A discussion and update of subsequent contingency monitoring efforts will be included in the facility's routine reports.

Subsequent contingency monitoring events will be completed quarterly. Samples will be collected from the five contingency monitoring locations and analyzed for the contingency routine parameters list. Analytical data from these events will be assessed for potential facility-related impacts to surface water quality. Special attention will be given to the parameter that initially triggered contingency monitoring. If it can be determined conclusively that no facility-related impacts are occurring, Sealand will request that contingency monitoring be discontinued. Otherwise, an assessment of the facility will be made to determine if elevated parameter concentration(s) are the result of site operations. If a potential source is identified at the facility, appropriate measures will be taken to ensure the identified source does not continue to cause elevated surface water parameter concentrations.

6 LEACHATE MONITORING

The following discussion describes the monitoring program applicable to leachate collected by the landfill's primary and secondary leachate collection systems.

6.1 LEACHATE RECOVERY SYSTEM DESIGN

Leachate is collected as part of routine operation of the facility. Leachate generated above the double composite liner system will drain through a system of collection pipes to the primary sump. Liquids that accumulate in the secondary leachate collection system will drain to the secondary sump. Both leachate collection systems will be automatic. Pumps installed in the leachate sumps will be activated when leachate heads reach a predetermined elevation. Primary and secondary leachate is pumped to the surface through separate sizerisers. Flow meters, pneumatic pumps, and twin sample tubing will also be installed in each sizeriser. As illustrated in Figure 6-1, primary and secondary leachate sample recovery points will be located at the ends of their respective sizerisers. Secondary leachate will be directed back into the primary drainage layer stone. Primary leachate will leave the sizeriser via a forcemain where it will be conveyed to the onsite storage facility. Leachate is then transported by tank trailer to a wastewater treatment plant for treatment and disposal.

6.2 SAMPLING AND ANALYSIS

Grab samples will be obtained from the leachate sumps at a minimum frequency of two times per year during the first and third quarter sampling events. Leachate will be sampled at the time groundwater, surface water, and sediment samples are collected, and analyzed for routine parameters in the first quarter and baseline parameters in the third quarter as listed in the tables in Appendices A and B.

6.3 REPORTING

Analytical data and the appropriate discussion of results will be included in the routine reports. Sealand will document and report quantities of primary and secondary leachate removed from each sump.



LEGEND

- 1750 — :EXISTING GROUND CONTOUR
- 1740- :PROPOSED CONTOUR
- - - - :PROPERTY BOUNDARY
- ⊗ PLS-1 :PRIMARY LEACHATE SAMPLE POINT
- ⊗ SLS-1 :SECONDARY LEACHATE SAMPLE POINT
- - - - :PERFORATED PIPE
- :SOLID WALL PIPE

NOTE:

1. PRIMARY LEACHATE COLLECTION AND RECOVERY SYSTEM (PLCRS) SHOWN. SECONDARY LEACHATE COLLECTION AND RECOVERY SYSTEM CONSISTS OF 4"Ø SDR 17 HDPE COLLECTORS AND CLEANOUTS IN THE SAME CONFIGURATION AS THE PLCRS PIPING.

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SEALAND WASTE, LLC		LEACHATE MONITORING PLAN			FIGURE 6-1
SCALE: NOT TO SCALE	REVISION # 0	CARROLL LANDFILL ENVIRONMENTAL MONITORING PLAN			
February 2014	TOWN OF CARROLL	CHAUTAUQUA COUNTY	NEW YORK		

7 REPORTING TIMEFRAMES AND SUBMISSIONS

The following table provides a summary schedule of environmental monitoring activity to be performed for the Carroll Landfill.

Table 7-1: Schedule of Environmental Monitoring

		Groundwater Monitoring Wells	Residential Supply Water Wells*	Sediment & Surface Water	Leachate
Q1	Winter (Jan, Feb, Mar)	Routine		Routine	Routine
Q2	Spring (Apr, May, Jun)	Routine		Routine	
Q3	Summer (Jul, Aug, Sep)	Baseline	Baseline	Baseline	Baseline
Q4	Fall (Oct, Nov, Dec)	Routine		Routine	

*Assuming the CCDHHS obtains permission from residents to participate in the program.

Following each sampling event, Sealand will generate summary tables for parameters analyzed each sampling event, and submit these tables with appropriate discussion of the results to the NYSDEC. Summary tables will include the following information as appropriate:

- Sampling dates;
- Background or downgradient designation;
- Parameter and corresponding CAS number;
- Laboratory results and data qualifiers;
- Existing water quality value;
- Water quality standards;
- Statistical trigger value;
- Standard deviation;
- MDL; and,
- PQL.

Tables and graphics comparing the current water quality with established benchmark water quality and triggers will be presented in the routine reports. This would include time series plots and the results of the queries described in Section 3.5.3. Stiff diagrams and/or Piper diagrams

may be included as necessary in the event of potentially significant findings. A summary discussion of any contraventions of water quality standards will be included. Any proposed modifications to the sampling and analysis to meet the requirements of the Operational Water Quality Monitoring Program would be presented in the reports. Laboratory analytical results, field sampling data and chain-of-custody documentation will be provided to the Regional office for their files. As well, data validation and usability assessment reports would be appended.

The results of each year of sampling and analysis will also be summarized in an annual report. The annual reports will be submitted by the timeframes required by NYSDEC, and will include the following environmental information:

- Summary of sampling events;
- Typical routine report information on the 4th quarter sampling event (in lieu of a separate 4th quarter routine report);
- Discussion of any water quality changes or trends that may have occurred over the year; and,
- Updating of background water quality (if required) and presentation of related data.

If no significant changes are found in the data analysis, the results will be presented in the routine reports submitted to the NYSDEC within the standard timeframe of 90 days from the end of the sampling quarter. If required, the raw data will be submitted as well in an appropriate electronic data deliverable format for upload to the NYSDEC's environmental management system, EQUIS.

8 POST-CLOSURE MONITORING

Environmental monitoring points will be maintained and sampled on a routine basis during the post-closure period for a minimum of 30 years. Annual summary reports will be submitted to the NYSDEC describing the results of the monitoring program, as well as, any maintenance activities completed throughout the year. Annual baseline and routine monitoring will be performed on groundwater, surface water, and leachate samples in the same manner as described for operational water quality monitoring for a minimum period of five years. In the event no groundwater impacts are determined after five years of post-closure monitoring, Sealand may, in accordance with the allowance provided by paragraph 360-7.6(d)(1), petition the NYSDEC for a modification of the sampling and analysis requirements.

APPENDIX A
Part 360 Routine Parameters

ENVIRONMENTAL MONITORING PLAN

PART 360 ROUTINE PARAMETERS

Common Name ²	CAS RN ³	Suggested Methods	PQL ⁴ (µg/l)
Field Parameters:			
Static water level(in wells and sumps)			
Specific Conductance		9050	
Temperature			
Floater or Sinkers ⁵			
Temperature			
pH		9040	
Eh		9041	
Dissolved Oxygen ⁶			
Field Observations ⁷			
Turbidity		180.1	
Leachate Indicators:			
Total Kjeldahl Nitrogen		351.1 351.2 351.3	60
Ammonia.....	7664-41-7	351.4 350.1 350.2	200 60
Nitrate.....		350.3	100
Chemical Oxygen Demand.....		9200 410.1 410.2 410.3 410.4	50000 50000 5000 80000
Biochemical Oxygen Demand (BOD ₅).....		405.1	2000
Total Organic Carbon.....			

ENVIRONMENTAL MONITORING PLAN

PART 360 ROUTINE PARAMETERS

Common Name ²	CAS RN ³	Suggested Methods	PQL ⁴ (µg/l)
Total Dissolved Solids		9060	
Sulfate.....		160.1 9035	40000
Alkalinity.....		9036 9038	
Phenols.....		310.1	20000
Chloride.....	108-95-2	310.2 8040 9250	6000
Bromide.....		9251	
Total hardness as CaCO ₃		9252 320.1 130.1 130.2	2000 20000 30000
Inorganic Parameters:			
Arsenic.....	(Total)	7041 6010 7060	30 500 10
Cadmium.....	(Total)	3010 7130	40 50
Calcium.....		7131	1
Iron.....	(Total) (Total)	7140 7380	40 100
Lead.....	(Total)	7381 6010 7420	4 400 1000
Magnesium.....		7421	10
Manganese.....	(Total) (Total)	7450 7460	4 40

ENVIRONMENTAL MONITORING PLAN
PART 360 ROUTINE PARAMETERS

Potassium.....		7461	0.8
Sodium.....	(Total)	7610	40
	(Total)	7770	8

Notes

¹This list contains parameters for which possible analytical procedures are provided in EPA Report SW-846 *Test Methods for Evaluating Solid Waste*, third edition, November 1986, as revised December 1987, and *Methods for Chemical Analysis of Water and Wastes*, USEPA-600/4-79-020, March, 1979. The regulatory requirements pertain only to the list of parameters; the right hand columns (Methods and PQL) are given for informational purposes only. See also footnote 4.

²Common names are those widely used in government regulations, scientific publications, and commerce; synonyms exist for many chemicals.

³Chemical Abstracts Service Registry Number. Where "Total" is entered, all species in the groundwater that contain this element are included.

⁴Practical Quantitation Limits (PQLs) are the lowest concentrations of analytes in groundwaters that can be reliably determined within specified limits of precision and accuracy by the indicated methods under routine laboratory operating conditions. The PQLs listed are generally stated to one significant figure. PQLs are based on 5 mL samples for volatile organics and 1 L samples for semivolatile organics. CAUTION: The PQL values in many cases are based only on a general estimate for the method and not on a determination for individual compounds; PQLs are not a part of the regulation.

⁵Any floaters or sinkers found must be analyzed separately for baseline

⁶Surface water only.

⁷Any unusual conditions (colors, odors, surface sheens, etc.) noticed during well development, purging, or sampling must be reported.

APPENDIX B
Part 360 Baseline Parameters

ENVIRONMENTAL MONITORING PLAN

PART 360 BASELINE PARAMETERS

Common Name ²	CAS RN ³	Suggested Methods	PQL ⁴ (µg/l)
Field Parameters:			
Static water level..... (in wells and sumps)			
Specific Conductance.....		9050	
Temperature.....			
Floater or Sinkers ⁵			
pH.....		9040 9041	
Eh.....			
Dissolved Oxygen ⁶			
Field Observations ⁷		180.1	
Turbidity.....			
Leachate Indicators:			
Total Kjeldahl Nitrogen...		351.1 351.2 351.3	60
Ammonia.....	7664-41-7	351.4 350.1 350.2	200 30
Nitrate.....		350.3	100
Chemical Oxygen Demand....		9200 410.1 410.2 410.3	50000 50000 50000
Biochemical Oxygen Demand (BOD ₅).....		410.4 405.1	80000 2000
Total Organic Carbon.....			

ENVIRONMENTAL MONITORING PLAN

PART 360 BASELINE PARAMETERS

Total Dissolved Solids....		9060	
Sulfate.....		160.1 9035	40000
Alkalinity.....		9036 9038	
Phenols.....		310.1	20000
Chloride.....		310.2 9250	6000
Bromide.....		9251	
Total hardness as CaCO ₃ ...		9252	
Color.....		320.1 130.1 130.2 110.1 110.2 110.3	2000 20000 30000 80
Boron.....	7440-42-8		
Inorganic Parameters:			
Aluminum.....	(total)	7020	1
Antimony.....	(total) (total)	7020 6010 7040	10 300 2000
Arsenic.....	(total)	7041 6010 7060	30 500 10
Barium.....	(total)	7061 6010	20 20
Beryllium.....	(total)	7080 6010 7090	1000 3 50
Cadmium.....	(total)	7091	2

ENVIRONMENTAL MONITORING PLAN

PART 360 BASELINE PARAMETERS

		6010 7130	40 50
Calcium.....		7131	1
Chromium.....	(total) (total)	7140 6010 7190	40 70 500
Chromium(Hexavalent) * ...	18540-29-9	7191 7195 7196	10 600
Cobalt.....	(total)	7197 7198 6010	30 70
Copper.....	(total)	7200 7201 6010	500 10 60
Cyanide.....		7210	200
Iron.....	(total)	7211 9010	10 200
Lead.....	(total) (total)	7380 7381 6010	100 4 400
Magnesium.....		7420	1000
Manganese.....	(total)	7421 7450	10 4
Mercury.....	(total)	7460	40
Nickel.....	(total)	7461 7470	0.8 2
Potassium.....	(total) (total)	6010 7520 7610	150 400 40
Selenium.....	(total)	6010 7740	750 20

ENVIRONMENTAL MONITORING PLAN

PART 360 BASELINE PARAMETERS

Silver.....	(total)	7741 6010	20 70
Sodium.....		7760	100
Thallium.....	(total) (total)	7761 7770 6010	10 8 400
Vanadium.....	(total)	7840 7841 6010	1000 10 80
Zinc.....	(total)	7910 7911 6010 7950 7951	2000 40 20 50 0.5
Organic Parameters:			
Acetone.....	67-64-1	8260	100
Acrylonitrile.....	107-13-1	8030 8260	5 200
Benzene.....	71-43-2	8020 8021 8260	2 0.1 5
Bromochloromethane.....	74-97-5	8021 8260	0.1 5
Bromodichloromethane.....	75-27-4	8010 8021 8260	1 0.2 5
Bromoform; Tribromomethane	75-25-2	8010 8021 8260	2 15 5
Carbon disulfide.....	75-15-0	8260	100
Carbon tetrachloride.....	56-23-5	8010 8021 8260	1 0.1 10

ENVIRONMENTAL MONITORING PLAN

PART 360 BASELINE PARAMETERS

Chlorobenzene.....	108-90-7	8010 8020 8021 8260	2 2 0.1 5
Chloroethane; Ethyl chloride.....	75-00-3	8010 8021	5 1
Chloroform; Trichloromethane.....	67-66-3	8010 8021	0.5 0.2
Dibromochloromethane; Chlorodibromomethane....	124-48-1	8260 8010 8021	5 1 0.3
1,2-Dibromo-3-chloropropane; DBCP.....	96-12-8	8260 8011 8021	5 0.1 30
1,2-Dibromoethane; Ethyl-ene dibromide; EDB.....	106-96-4	8260 8011 8021	25 0.1 10
o-Dichlorobenzene; 1,2-Dichlorobenzene.....	95-50-1	8026 8010 8020 8021 8120 8260	5 2 5 0.5 10 5
p-Dichlorobenzene; 1,4-Dichlorobenzene.....	106-46-	8270 8010 8020 8021 8120 8260	10 2 5 0.1 15 5
trans-1,4-Dichloro-2-butene.....		8270	10
1,1-Dichloroethane; Ethylidene chloride.....	110-57-6 75-34-3	8260 8010 8021	100 1 0.5
1,2-Dichloroethane; Ethylene dichloride.....	107-06-2	8260 8010 8021	8 0.5 0.3

ENVIRONMENTAL MONITORING PLAN
PART 360 BASELINE PARAMETERS

1,1-Dichloroethylene;		8260	5
1,1-Dichloroethene;		8010	1
Vinylidene chloride.....	75-35-4	8021	0.5
cis-1,2-Dichloroethylene;		8260	5
cis-1,2-Dichloroethene..		8021	0.2
trans-1,2-Dichloroethylene;	156-59-2	8260	5
trans-1,2-Dichloroethene.....	156-60-5	8010 8021	1 0.5
1,2-Dichloropropane;		8260	5
Pro-pylene dichloride.....	78-87-5	8010 8021	0.5 0.05
cis-1,3-Dichloropropene...		8260 8010	5 20
trans-1,3-Dichloropropene.	10061-01-5 10061-02-6	8260 8010 8260	10 5 10
Ethylbenzene.....	100-41-4	8020 8221 8260	2 0.05 5
2-Hexanone; Methyl butyl ketone.....	591-78-6	8260	50
Methyl bromide; Bromo-methane.....	74-83-9	8010 8021	20 10
Methyl chloride; Chloro-methane.....	74-87-3	8010 8021	1 0.3
Methylene bromide; Dibromomethane.....	74-95-3	8010 8021	15 20
Methylene chloride; Dichloromethane....	75-09-02	8260 8010 8021	5 0.2 10

ENVIRONMENTAL MONITORING PLAN

PART 360 BASELINE PARAMETERS

Methyl ethyl ketone; MEK; 2-Butanone....	78-93-3	8260 8010	100 40
4-Methyl-2-pentanone; Methyl isobutyl ketone..	108-10-1	8260 8015	10 5
Styrene.....	100-42-5	8260 8020 8021	100 1 0.1
1,1,1,2-Tetrachloroethane.	630-20-6	8260 8010 8021	10 5 5
1,1,2,2-Tetrachloroethane....	79-34-5	8260 8010 8021	0.5 0.1 0.05
Tetrachloroethylene; Tetrachloroethene; Per- chloroethylene.....	127-18-4	8260 8010 8021	5 0.5 0.5
Toluene.....	108-88-3	8260 8020 8021	5 2 0.1
1,1,1-Trichloroethane; Methylchloroform.....	71-55-6	8260 8010 8021	5 0.3 0.3
1,1,2-Trichloroethane.....	79-00-5	8260 8010	5 0.2
Trichloroethylene; Tri-chloroethene.....	79-01-6	8260 8010 8021	5 1 0.2
Trichlorofluoromethane; CFC-11.....	75-69-4	8260 8010 8021 8260	5 10 0.3 5
1,2,3-Trichloropropane....	96-18-4	8010 8021 8260	10 5 15

ENVIRONMENTAL MONITORING PLAN
PART 360 BASELINE PARAMETERS

Vinyl acetate.....	108-05-4	8260	50
Vinyl chloride; Chloroethene.....	75-01-4	8010 8021 8260	2 0.4 10
Xylenes.....	1330-20-7	8020 8021 8260	5 0.2 5

Notes

¹This list contains 47 volatile organics for which possible analytical procedures provided in EPA Report SW-846 *Test Methods for Evaluating Solid Waste*, third edition, November 1986, as revised December 1987, includes Method 8260; 25 metals for which SW-846 provides either Method 6010 or a method from the 7000 series of methods; and additional parameters for which possible procedures are provided in *Methods for Chemical Analysis of Water and Wastes*, USEPA-600/4-79-020, March, 1979. The regulatory requirements pertain only to the list of parameters; the right hand columns (Methods and PQL) are given for informational purposes only. See also footnote 4.

²Common names are those widely used in government regulations, scientific publications, and commerce; synonyms exist for many chemicals.

³Chemical Abstracts Service Registry Number. Where "Total" is entered, all species in the groundwater that contain this element are included.

⁴Practical Quantitation Limits (PQLs) are the lowest concentrations of analytes in groundwaters that can be reliably determined within specified limits of precision and accuracy by the indicated methods under routine laboratory operating conditions. The PQLs listed are generally stated to one significant figure. PQLs are based on 5 mL samples for volatile organics and 1 L samples for semivolatile organics. CAUTION: The PQL values in many cases are based only on a general estimate for the method and not on a determination for individual compounds; PQLs are not a part of the regulation.

⁵Any floaters or sinkers found must be analyzed separately for baseline parameters.

⁶Surface water only.

⁷Any unusual conditions (colors, odors, surface sheens, etc.) noticed during well development, purging, or sampling must be reported.

*The Department may waive the requirement to analyze Hexavalent Chromium provided that Total and Hexavalent and Trivalent Chromium values do not exceed 0.05 mg/L.

APPENDIX C

Groundwater Analytical Data Reports*

*PZ-3D was originally designated as PZ-3M; redesignation did not occur until after round two sampling was performed, therefore PZ-3D is PZ-3M in this Laboratory Report.

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: 480-10851-1

Client Project/Site: Carroll Landfill Site Investigation

Sampling Event: Carroll Landfill Baseline

Revision: 2

For:

Sealand Contractors Corp

85 High Tech Drive

Rush, New York 14543

Attn: Deborah Kraft



Authorized for release by:

12/2/2011 4:45:35 PM

Ryan VanDette

Project Manager I

ryan.vandette@testamericainc.com

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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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Definitions/Glossary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
b	Result Detected in the USB
B	Compound was found in the blank and sample.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Job ID: 480-10851-1

Laboratory: TestAmerica Buffalo

Narrative

**Job Narrative
480-10851-1**

Comments

This report has been revised to include Hardness for sample PZ-6M (480-10934-2).

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

IC

No analytical or quality issues were noted.

Metals

Method(s) 6010B: The Method Blank for batch 480-34765 contained total manganese above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples PZ-6D (480-10934-1), PZ-6M (480-10934-2) was not performed.

Method(s) 6010B: The Serial Dilution (480-10934-1 SD) in batch 480-34765, exhibited a result outside the quality control limits for total boron. However, the Post Digestion Spike was compliant so no corrective action was necessary

Method(s) 6010B: The Method Blank for batch 480-34769 contained total boron and manganese above the method detection limits. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of samples PZ-13D (480-10851-8), PZ-13M (480-10851-7), PZ-13S (480-10851-6), PZ-1M (480-10851-1), PZ-9D (480-10851-4), PZ-9M (480-10851-3), PZ-9S (480-10851-2) was not performed.

No other analytical or quality issues were noted.

General Chemistry

Method(s) SM 2120B: The pH of this sample was 11. SOP requires pH to be within the 4 to 10 range, therefore the pH of this sample was adjusted to meet criteria. PZ-13D (480-10851-8)

Method(s) SM 2540C: This method uses a dilution applied during the preparation portion of the procedure. The dilution factor (DF) presented on the final report represents only the analytical dilution, not the dilution factor applied in the preparation batch. PZ-9S (480-10851-2)

Method(s) SM 5210B: For batch 34514 the dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L.

Method(s) SM 5210B: For batch 34586 the dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L.

Method(s) 7196A: The following sample(s) was diluted due to the nature of the sample matrix: PZ-9S (480-10851-2). Elevated reporting limits (RLs) are provided.

Method(s) SM 5310D: The method blank for batch 35280 contained total organic carbon (TOC) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. PZ-13D (480-10851-8), PZ-13M (480-10851-7)

No other analytical or quality issues were noted.

Detection Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-1M

Lab Sample ID: 480-10851-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	-66.0				millivolts	1		Field Sampling	Total/NA
Field pH	6.52				SU	1		Field Sampling	Total/NA
Field Temperature	9.4				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	7.16				NTU	1		Field Sampling	Total/NA
Field Conductivity	250				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	62.99				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.14	J	0.20	0.060	mg/L	1		6010B	Total/NA
Barium	0.023		0.0020	0.00050	mg/L	1		6010B	Total/NA
Boron	0.016	J B	0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	36		0.50	0.10	mg/L	1		6010B	Total/NA
Iron	0.14		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	10		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.016	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Potassium	1.3		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	2.7		1.0	0.32	mg/L	1		6010B	Total/NA
Zinc	0.0028	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Total Kjeldahl Nitrogen	1.1		0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate as N	0.23		0.050	0.011	mg/L	1		353.2	Total/NA
Hexavalent chromium	0.0056	J	0.010	0.0050	mg/L	1		7196A	Total/NA
Chloride	4.1		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	13		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	120		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	130		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	130		10	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: PZ-9S

Lab Sample ID: 480-10851-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	68				millivolts	1		Field Sampling	Total/NA
Field pH	7.31				SU	1		Field Sampling	Total/NA
Field Temperature	12.9				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	734.0				NTU	1		Field Sampling	Total/NA
Field Conductivity	207				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	8.35				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	35		0.20	0.060	mg/L	1		6010B	Total/NA
Arsenic	0.031		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	0.25		0.0020	0.00050	mg/L	1		6010B	Total/NA
Beryllium	0.0016	J	0.0020	0.00030	mg/L	1		6010B	Total/NA
Boron	0.034	B	0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	34		0.50	0.10	mg/L	1		6010B	Total/NA
Chromium	0.041		0.0040	0.00087	mg/L	1		6010B	Total/NA
Cobalt	0.016		0.0040	0.00063	mg/L	1		6010B	Total/NA
Copper	0.045		0.010	0.0015	mg/L	1		6010B	Total/NA
Iron	52		0.050	0.019	mg/L	1		6010B	Total/NA
Lead	0.019		0.0050	0.0030	mg/L	1		6010B	Total/NA
Magnesium	12		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.38	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Nickel	0.040		0.010	0.0013	mg/L	1		6010B	Total/NA
Potassium	10		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	3.3		1.0	0.32	mg/L	1		6010B	Total/NA
Vanadium	0.050		0.0050	0.0011	mg/L	1		6010B	Total/NA

Detection Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9S (Continued)

Lab Sample ID: 480-10851-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.12		0.010	0.0017	mg/L	1		6010B	Total/NA
Total Kjeldahl Nitrogen	3.4		1.0	0.75	mg/L	1		351.2	Total/NA
Nitrate as N	0.41		0.050	0.011	mg/L	1		353.2	Total/NA
Chloride	4.2		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	16		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	84		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	150		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	300		25	10	mg/L	1		SM 2540C	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Color	1000		250	250	Color Units	50		SM 2120B	Total/NA

Client Sample ID: PZ-9M

Lab Sample ID: 480-10851-3

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	14				millivolts	1		Field Sampling	Total/NA
Field pH	7.32				SU	1		Field Sampling	Total/NA
Field Temperature	10.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	7.74				NTU	1		Field Sampling	Total/NA
Field Conductivity	211				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	36.64				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.52		0.20	0.060	mg/L	1		6010B	Total/NA
Barium	0.17		0.0020	0.00050	mg/L	1		6010B	Total/NA
Boron	0.015	J B	0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	28		0.50	0.10	mg/L	1		6010B	Total/NA
Iron	0.43		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	9.0		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.27	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Potassium	1.3		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	2.7		1.0	0.32	mg/L	1		6010B	Total/NA
Zinc	0.0025	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Total Kjeldahl Nitrogen	2.3		0.20	0.15	mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	19		10	5.0	mg/L	1		410.4	Total/NA
Hexavalent chromium	0.010		0.010	0.0050	mg/L	1		7196A	Total/NA
Chloride	7.1		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	11		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	91		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	130		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	110		10	4.0	mg/L	1		SM 2540C	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Color	15		5.0	5.0	Color Units	1		SM 2120B	Total/NA

Client Sample ID: PZ-9D

Lab Sample ID: 480-10851-4

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	27				millivolts	1		Field Sampling	Total/NA
Field pH	6.67				SU	1		Field Sampling	Total/NA
Field Temperature	10.6				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	27.0				NTU	1		Field Sampling	Total/NA
Field Conductivity	237				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	43.49				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.081	J	0.20	0.060	mg/L	1		6010B	Total/NA

Detection Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9D (Continued)

Lab Sample ID: 480-10851-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.18		0.0020	0.00050	mg/L	1		6010B	Total/NA
Boron	0.051	B	0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	29		0.50	0.10	mg/L	1		6010B	Total/NA
Iron	0.12		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	10		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.11	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Potassium	1.9		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	6.6		1.0	0.32	mg/L	1		6010B	Total/NA
Zinc	0.0022	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Ammonia	0.11	J	0.20	0.10	mg/L	1		350.1	Total/NA
Chloride	2.0		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	7.9		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	120		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	110		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	120		10	4.0	mg/L	1		SM 2540C	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Color	5.0		5.0	5.0	Color Units	1		SM 2120B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-10851-5

No Detections

Client Sample ID: PZ-13S

Lab Sample ID: 480-10851-6

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	37				millivolts	1		Field Sampling	Total/NA
Field pH	8.78				SU	1		Field Sampling	Total/NA
Field Temperature	10.0				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	42.6				NTU	1		Field Sampling	Total/NA
Field Conductivity	266				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	32.52				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2.3		0.20	0.060	mg/L	1		6010B	Total/NA
Barium	0.035		0.0020	0.00050	mg/L	1		6010B	Total/NA
Boron	0.0083	J B	0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	44		0.50	0.10	mg/L	1		6010B	Total/NA
Chromium	0.0038	J	0.0040	0.00087	mg/L	1		6010B	Total/NA
Cobalt	0.0010	J	0.0040	0.00063	mg/L	1		6010B	Total/NA
Copper	0.0029	J	0.010	0.0015	mg/L	1		6010B	Total/NA
Iron	2.3		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	11		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.049	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Nickel	0.0058	J	0.010	0.0013	mg/L	1		6010B	Total/NA
Potassium	1.2		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	1.6		1.0	0.32	mg/L	1		6010B	Total/NA
Vanadium	0.0038	J	0.0050	0.0011	mg/L	1		6010B	Total/NA
Zinc	0.0074	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Chemical Oxygen Demand	53		10	5.0	mg/L	1		410.4	Total/NA
Chloride	1.3		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	14		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	130		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	170		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	150		10	4.0	mg/L	1		SM 2540C	Total/NA

Detection Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13S (Continued)

Lab Sample ID: 480-10851-6

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Color	30		5.0	5.0	Color Units	1		SM 2120B	Total/NA

Client Sample ID: PZ-13M

Lab Sample ID: 480-10851-7

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	45				millivolts	1		Field Sampling	Total/NA
Field pH	10.48				SU	1		Field Sampling	Total/NA
Field Temperature	10.0				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	13.4				NTU	1		Field Sampling	Total/NA
Field Conductivity	212				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	74.13				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28		10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	7.3		1.0	0.19	ug/L	1		8260B	Total/NA
Aluminum	0.45		0.20	0.060	mg/L	1		6010B	Total/NA
Barium	0.15		0.0020	0.00050	mg/L	1		6010B	Total/NA
Boron	0.033		0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	36		0.50	0.10	mg/L	1		6010B	Total/NA
Chromium	0.0047		0.0040	0.00087	mg/L	1		6010B	Total/NA
Iron	0.42		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	8.6		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.20		0.0030	0.00030	mg/L	1		6010B	Total/NA
Potassium	2.9		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	8.6		1.0	0.32	mg/L	1		6010B	Total/NA
Vanadium	0.0018	J	0.0050	0.0011	mg/L	1		6010B	Total/NA
Zinc	0.0033	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Total Kjeldahl Nitrogen	0.17	J	0.20	0.15	mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	56		10	5.0	mg/L	1		410.4	Total/NA
Hexavalent chromium	0.0076	J	0.010	0.0050	mg/L	1		7196A	Total/NA
Chloride	2.0		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	11		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	120		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	140		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	130		10	4.0	mg/L	1		SM 2540C	Total/NA
Biochemical Oxygen Demand	3.2	b	2.0	2.0	mg/L	1		SM 5210B	Total/NA
Total Organic Carbon	1.2	B	1.0	0.43	mg/L	1		SM 5310D	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Color	5.0		5.0	5.0	Color Units	1		SM 2120B	Total/NA

Client Sample ID: PZ-13D

Lab Sample ID: 480-10851-8

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	-5.0				millivolts	1		Field Sampling	Total/NA
Field pH	10.49				SU	1		Field Sampling	Total/NA
Field Temperature	10.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	5.77				NTU	1		Field Sampling	Total/NA
Field Conductivity	670				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	76.26				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37		10	3.0	ug/L	1		8260B	Total/NA
Carbon disulfide	13		1.0	0.19	ug/L	1		8260B	Total/NA
Aluminum	0.20		0.20	0.060	mg/L	1		6010B	Total/NA
Barium	0.046		0.0020	0.00050	mg/L	1		6010B	Total/NA

Detection Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13D (Continued)

Lab Sample ID: 480-10851-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	0.072	B	0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	15		0.50	0.10	mg/L	1		6010B	Total/NA
Chromium	0.0045		0.0040	0.00087	mg/L	1		6010B	Total/NA
Cobalt	0.0013	J	0.0040	0.00063	mg/L	1		6010B	Total/NA
Iron	0.19		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	0.31		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.0046	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Nickel	0.0023	J	0.010	0.0013	mg/L	1		6010B	Total/NA
Potassium	44		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	30		1.0	0.32	mg/L	1		6010B	Total/NA
Vanadium	0.0020	J	0.0050	0.0011	mg/L	1		6010B	Total/NA
Ammonia	0.26		0.20	0.10	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.41		0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate as N	0.24		0.050	0.011	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	65		10	5.0	mg/L	1		410.4	Total/NA
Phenolics, Total Recoverable	0.0075	J	0.010	0.0050	mg/L	1		420.4	Total/NA
Hexavalent chromium	0.013		0.010	0.0050	mg/L	1		7196A	Total/NA
Chloride	13		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	23		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	120		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	36		4.0	1.1	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	180		10	4.0	mg/L	1		SM 2540C	Total/NA
Total Organic Carbon	2.0	B	1.0	0.43	mg/L	1		SM 5310D	Total/NA

Client Sample ID: PZ-6D

Lab Sample ID: 480-10934-1

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	153				millivolts	1		Field Sampling	Total/NA
Field pH	6.96				SU	1		Field Sampling	Total/NA
Field Temperature	11.2				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	6.05				NTU	1		Field Sampling	Total/NA
Field Conductivity	285				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	14.32				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.089	J	0.20	0.060	mg/L	1		6010B	Total/NA
Barium	0.11		0.0020	0.00050	mg/L	1		6010B	Total/NA
Boron	0.14		0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	30		0.50	0.10	mg/L	1		6010B	Total/NA
Iron	0.11		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	8.6		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.033	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Potassium	2.2		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	29		1.0	0.32	mg/L	1		6010B	Total/NA
Zinc	0.0028	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Ammonia	0.13	J	0.20	0.10	mg/L	1		350.1	Total/NA
Chemical Oxygen Demand	9.2	J	10	5.0	mg/L	1		410.4	Total/NA
Phenolics, Total Recoverable	0.0059	J	0.010	0.0050	mg/L	1		420.4	Total/NA
Chloride	2.3		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	13		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	160		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	100		10	2.6	mg/L	1		SM 2340C	Total/NA
Total Dissolved Solids	160		10	4.0	mg/L	1		SM 2540C	Total/NA

Detection Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6M

Lab Sample ID: 480-10934-2

Analyte	Result	Qualifier	NONE	NONE	Unit	Dil Fac	D	Method	Prep Type
Field EH/ORP	68				millivolts	1		Field Sampling	Total/NA
Field pH	6.71				SU	1		Field Sampling	Total/NA
Field Temperature	11.0				Degrees C	1		Field Sampling	Total/NA
Field Turbidity	2.77				NTU	1		Field Sampling	Total/NA
Field Conductivity	262				umhos/cm	1		Field Sampling	Total/NA
Static Water Level	15.40				ft	1		Field Sampling	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.065	J	0.20	0.060	mg/L	1		6010B	Total/NA
Barium	0.15		0.0020	0.00050	mg/L	1		6010B	Total/NA
Boron	0.048		0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	38		0.50	0.10	mg/L	1		6010B	Total/NA
Iron	0.080		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	11		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.26	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Potassium	2.0		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	7.1		1.0	0.32	mg/L	1		6010B	Total/NA
Zinc	0.0017	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Ammonia	0.12	J	0.20	0.10	mg/L	1		350.1	Total/NA
Chemical Oxygen Demand	8.6	J	10	5.0	mg/L	1		410.4	Total/NA
Phenolics, Total Recoverable	0.0070	J	0.010	0.0050	mg/L	1		420.4	Total/NA
Chloride	8.2		0.50	0.28	mg/L	1		9056	Total/NA
Sulfate	10		2.0	0.35	mg/L	1		9056	Total/NA
Alkalinity, Total	140		5.0	0.79	mg/L	1		SM 2320B	Total/NA
Hardness as calcium carbonate	230		20	5.3	mg/L	10		SM 2340C	Total/NA
Total Dissolved Solids	170		10	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 480-10934-3

No Detections

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-1M

Date Collected: 10/06/11 11:40

Date Received: 10/06/11 19:30

Lab Sample ID: 480-10851-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 01:59	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 01:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 01:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 01:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 01:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 01:59	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 01:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 01:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 01:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 01:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 01:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 01:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 01:59	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 01:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 01:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 01:59	1
Acetone	ND		10	3.0	ug/L			10/20/11 01:59	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 01:59	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 01:59	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 01:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 01:59	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 01:59	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 01:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 01:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 01:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 01:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 01:59	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 01:59	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 01:59	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 01:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 01:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 01:59	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 01:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 01:59	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 01:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 01:59	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 01:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 01:59	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 01:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 01:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 01:59	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 01:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 01:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 01:59	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 01:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 01:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 01:59	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 01:59	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 01:59	1

Client Sample Results

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-1M

Lab Sample ID: 480-10851-1

Date Collected: 10/06/11 11:40

Matrix: Ground Water

Date Received: 10/06/11 19:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		66 - 137		10/20/11 01:59	1
Toluene-d8 (Surr)	94		71 - 126		10/20/11 01:59	1
4-Bromofluorobenzene (Surr)	95		73 - 120		10/20/11 01:59	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.14	J	0.20	0.060	mg/L		10/11/11 08:30	10/11/11 19:34	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 19:34	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 19:34	1
Barium	0.023		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 19:34	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 19:34	1
Boron	0.016	J B	0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 19:34	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 19:34	1
Calcium	36		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 19:34	1
Chromium	ND		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 19:34	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 19:34	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 19:34	1
Iron	0.14		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 19:34	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 19:34	1
Magnesium	10		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 19:34	1
Manganese	0.016	B	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 19:34	1
Nickel	ND		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 19:34	1
Potassium	1.3		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 19:34	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 19:34	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 19:34	1
Sodium	2.7		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 19:34	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 19:34	1
Vanadium	ND		0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 19:34	1
Zinc	0.0028	J	0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 19:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/11 11:10	10/10/11 14:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.20	0.10	mg/L		10/12/11 15:50	10/12/11 16:44	1
Total Kjeldahl Nitrogen	1.1		0.20	0.15	mg/L		10/19/11 01:14	10/19/11 09:11	1
Nitrate as N	0.23		0.050	0.011	mg/L			10/07/11 19:23	1
Chemical Oxygen Demand	ND		10	5.0	mg/L			10/20/11 13:30	1
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/20/11 23:06	10/21/11 10:23	1
Hexavalent chromium	0.0056	J	0.010	0.0050	mg/L			10/07/11 02:57	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 15:19	10/19/11 09:32	1
Bromide	ND		0.20	0.073	mg/L			10/11/11 21:28	1
Chloride	4.1		0.50	0.28	mg/L			10/11/11 21:28	1
Sulfate	13		2.0	0.35	mg/L			10/11/11 21:28	1
Alkalinity, Total	120		5.0	0.79	mg/L			10/18/11 11:02	1
Hardness as calcium carbonate	130		10	2.6	mg/L			10/19/11 09:15	1
Total Dissolved Solids	130		10	4.0	mg/L			10/11/11 21:44	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 13:41	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/12/11 20:52	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-1M

Lab Sample ID: 480-10851-1

Date Collected: 10/06/11 11:40

Matrix: Ground Water

Date Received: 10/06/11 19:30

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.0	5.0	Color Units			10/07/11 16:02	1
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	-66.0				millivolts			10/06/11 11:40	1
Field pH	6.52				SU			10/06/11 11:40	1
Field Temperature	9.4				Degrees C			10/06/11 11:40	1
Field Turbidity	7.16				NTU			10/06/11 11:40	1
Field Conductivity	250				umhos/cm			10/06/11 11:40	1
Static Water Level	62.99				ft			10/06/11 11:40	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9S

Date Collected: 10/06/11 13:00

Date Received: 10/06/11 19:30

Lab Sample ID: 480-10851-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 02:25	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 02:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 02:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 02:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 02:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 02:25	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 02:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 02:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 02:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 02:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 02:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 02:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 02:25	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 02:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 02:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 02:25	1
Acetone	ND		10	3.0	ug/L			10/20/11 02:25	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 02:25	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 02:25	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 02:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 02:25	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 02:25	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 02:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 02:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 02:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 02:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 02:25	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 02:25	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 02:25	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 02:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 02:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 02:25	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 02:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 02:25	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 02:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 02:25	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 02:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 02:25	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 02:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 02:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 02:25	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 02:25	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 02:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 02:25	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 02:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 02:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 02:25	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 02:25	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 02:25	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9S

Lab Sample ID: 480-10851-2

Date Collected: 10/06/11 13:00

Matrix: Ground Water

Date Received: 10/06/11 19:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		66 - 137		10/20/11 02:25	1
Toluene-d8 (Surr)	95		71 - 126		10/20/11 02:25	1
4-Bromofluorobenzene (Surr)	96		73 - 120		10/20/11 02:25	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	35		0.20	0.060	mg/L		10/11/11 08:30	10/11/11 19:36	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 19:36	1
Arsenic	0.031		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 19:36	1
Barium	0.25		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 19:36	1
Beryllium	0.0016	J	0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 19:36	1
Boron	0.034	B	0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 19:36	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 19:36	1
Calcium	34		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 19:36	1
Chromium	0.041		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 19:36	1
Cobalt	0.016		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 19:36	1
Copper	0.045		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 19:36	1
Iron	52		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 19:36	1
Lead	0.019		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 19:36	1
Magnesium	12		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 19:36	1
Manganese	0.38	B	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 19:36	1
Nickel	0.040		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 19:36	1
Potassium	10		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 19:36	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 19:36	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 19:36	1
Sodium	3.3		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 19:36	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 19:36	1
Vanadium	0.050		0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 19:36	1
Zinc	0.12		0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 19:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/11 11:10	10/10/11 14:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.20	0.10	mg/L		10/12/11 15:50	10/12/11 16:45	1
Total Kjeldahl Nitrogen	3.4		1.0	0.75	mg/L		10/19/11 01:14	10/19/11 09:11	1
Nitrate as N	0.41		0.050	0.011	mg/L			10/07/11 19:25	1
Chemical Oxygen Demand	ND		10	5.0	mg/L			10/20/11 13:30	1
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/20/11 23:27	10/21/11 10:23	1
Hexavalent chromium	ND		0.10	0.050	mg/L			10/07/11 03:13	10
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 15:19	10/19/11 09:33	1
Bromide	ND		0.20	0.073	mg/L			10/11/11 21:38	1
Chloride	4.2		0.50	0.28	mg/L			10/11/11 21:38	1
Sulfate	16		2.0	0.35	mg/L			10/11/11 21:38	1
Alkalinity, Total	84		5.0	0.79	mg/L			10/18/11 11:09	1
Hardness as calcium carbonate	150		10	2.6	mg/L			10/19/11 09:15	1
Total Dissolved Solids	300		25	10	mg/L			10/11/11 21:45	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 19:38	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/12/11 21:12	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9S

Lab Sample ID: 480-10851-2

Date Collected: 10/06/11 13:00

Matrix: Ground Water

Date Received: 10/06/11 19:30

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	1000		250	250	Color Units			10/07/11 16:04	50
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	68				millivolts			10/06/11 13:00	1
Field pH	7.31				SU			10/06/11 13:00	1
Field Temperature	12.9				Degrees C			10/06/11 13:00	1
Field Turbidity	734.0				NTU			10/06/11 13:00	1
Field Conductivity	207				umhos/cm			10/06/11 13:00	1
Static Water Level	8.35				ft			10/06/11 13:00	1

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- 2
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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9M

Date Collected: 10/06/11 12:40

Date Received: 10/06/11 19:30

Lab Sample ID: 480-10851-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 02:50	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 02:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 02:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 02:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 02:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 02:50	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 02:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 02:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 02:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 02:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 02:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 02:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 02:50	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 02:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 02:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 02:50	1
Acetone	ND		10	3.0	ug/L			10/20/11 02:50	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 02:50	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 02:50	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 02:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 02:50	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 02:50	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 02:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 02:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 02:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 02:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 02:50	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 02:50	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 02:50	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 02:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 02:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 02:50	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 02:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 02:50	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 02:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 02:50	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 02:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 02:50	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 02:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 02:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 02:50	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 02:50	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 02:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 02:50	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 02:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 02:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 02:50	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 02:50	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 02:50	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9M

Lab Sample ID: 480-10851-3

Date Collected: 10/06/11 12:40

Matrix: Ground Water

Date Received: 10/06/11 19:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		66 - 137		10/20/11 02:50	1
Toluene-d8 (Surr)	96		71 - 126		10/20/11 02:50	1
4-Bromofluorobenzene (Surr)	96		73 - 120		10/20/11 02:50	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.52		0.20	0.060	mg/L		10/11/11 08:30	10/11/11 19:38	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 19:38	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 19:38	1
Barium	0.17		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 19:38	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 19:38	1
Boron	0.015	J B	0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 19:38	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 19:38	1
Calcium	28		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 19:38	1
Chromium	ND		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 19:38	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 19:38	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 19:38	1
Iron	0.43		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 19:38	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 19:38	1
Magnesium	9.0		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 19:38	1
Manganese	0.27	B	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 19:38	1
Nickel	ND		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 19:38	1
Potassium	1.3		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 19:38	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 19:38	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 19:38	1
Sodium	2.7		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 19:38	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 19:38	1
Vanadium	ND		0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 19:38	1
Zinc	0.0025	J	0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 19:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/11 11:10	10/10/11 14:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.20	0.10	mg/L		10/15/11 10:36	10/15/11 14:37	1
Total Kjeldahl Nitrogen	2.3		0.20	0.15	mg/L		10/19/11 01:14	10/19/11 09:11	1
Nitrate as N	ND		0.050	0.011	mg/L			10/07/11 19:27	1
Chemical Oxygen Demand	19		10	5.0	mg/L			10/20/11 13:30	1
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/20/11 23:48	10/21/11 10:23	1
Hexavalent chromium	0.010		0.010	0.0050	mg/L			10/07/11 02:48	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 15:19	10/19/11 09:34	1
Bromide	ND		0.20	0.073	mg/L			10/11/11 21:48	1
Chloride	7.1		0.50	0.28	mg/L			10/11/11 21:48	1
Sulfate	11		2.0	0.35	mg/L			10/11/11 21:48	1
Alkalinity, Total	91		5.0	0.79	mg/L			10/18/11 11:16	1
Hardness as calcium carbonate	130		10	2.6	mg/L			10/19/11 09:15	1
Total Dissolved Solids	110		10	4.0	mg/L			10/11/11 21:47	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 13:41	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/12/11 21:32	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9M

Lab Sample ID: 480-10851-3

Date Collected: 10/06/11 12:40

Matrix: Ground Water

Date Received: 10/06/11 19:30

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	15		5.0	5.0	Color Units			10/07/11 16:07	1
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	14				millivolts			10/06/11 12:40	1
Field pH	7.32				SU			10/06/11 12:40	1
Field Temperature	10.2				Degrees C			10/06/11 12:40	1
Field Turbidity	7.74				NTU			10/06/11 12:40	1
Field Conductivity	211				umhos/cm			10/06/11 12:40	1
Static Water Level	36.64				ft			10/06/11 12:40	1

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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9D
Date Collected: 10/06/11 12:25
Date Received: 10/06/11 19:30

Lab Sample ID: 480-10851-4
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 03:14	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 03:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 03:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 03:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 03:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 03:14	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 03:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 03:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 03:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 03:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 03:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 03:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 03:14	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 03:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 03:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 03:14	1
Acetone	ND		10	3.0	ug/L			10/20/11 03:14	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 03:14	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 03:14	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 03:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 03:14	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 03:14	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 03:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 03:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 03:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 03:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 03:14	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 03:14	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 03:14	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 03:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 03:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 03:14	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 03:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 03:14	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 03:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 03:14	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 03:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 03:14	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 03:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 03:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 03:14	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 03:14	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 03:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 03:14	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 03:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 03:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 03:14	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 03:14	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 03:14	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9D

Lab Sample ID: 480-10851-4

Date Collected: 10/06/11 12:25

Matrix: Ground Water

Date Received: 10/06/11 19:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		66 - 137		10/20/11 03:14	1
Toluene-d8 (Surr)	95		71 - 126		10/20/11 03:14	1
4-Bromofluorobenzene (Surr)	96		73 - 120		10/20/11 03:14	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.081	J	0.20	0.060	mg/L		10/11/11 08:30	10/11/11 19:53	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 19:53	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 19:53	1
Barium	0.18		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 19:53	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 19:53	1
Boron	0.051	B	0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 19:53	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 19:53	1
Calcium	29		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 19:53	1
Chromium	ND		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 19:53	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 19:53	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 19:53	1
Iron	0.12		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 19:53	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 19:53	1
Magnesium	10		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 19:53	1
Manganese	0.11	B	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 19:53	1
Nickel	ND		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 19:53	1
Potassium	1.9		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 19:53	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 19:53	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 19:53	1
Sodium	6.6		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 19:53	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 19:53	1
Vanadium	ND		0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 19:53	1
Zinc	0.0022	J	0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 19:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/11 11:10	10/10/11 14:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.11	J	0.20	0.10	mg/L		10/15/11 10:36	10/15/11 14:39	1
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/19/11 01:14	10/19/11 09:11	1
Nitrate as N	ND		0.050	0.011	mg/L			10/07/11 19:30	1
Chemical Oxygen Demand	ND		10	5.0	mg/L			10/20/11 13:30	1
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/20/11 23:58	10/21/11 10:23	1
Hexavalent chromium	ND		0.010	0.0050	mg/L			10/07/11 02:51	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 15:19	10/19/11 09:35	1
Bromide	ND		0.20	0.073	mg/L			10/11/11 21:58	1
Chloride	2.0		0.50	0.28	mg/L			10/11/11 21:58	1
Sulfate	7.9		2.0	0.35	mg/L			10/11/11 21:58	1
Alkalinity, Total	120		5.0	0.79	mg/L			10/18/11 11:23	1
Hardness as calcium carbonate	110		10	2.6	mg/L			10/19/11 09:15	1
Total Dissolved Solids	120		10	4.0	mg/L			10/11/11 21:57	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 13:41	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/12/11 22:32	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9D

Lab Sample ID: 480-10851-4

Date Collected: 10/06/11 12:25

Matrix: Ground Water

Date Received: 10/06/11 19:30

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	5.0		5.0	5.0	Color Units			10/07/11 16:10	1
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	27				millivolts			10/06/11 12:25	1
Field pH	6.67				SU			10/06/11 12:25	1
Field Temperature	10.6				Degrees C			10/06/11 12:25	1
Field Turbidity	27.0				NTU			10/06/11 12:25	1
Field Conductivity	237				umhos/cm			10/06/11 12:25	1
Static Water Level	43.49				ft			10/06/11 12:25	1

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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-10851-5

Date Collected: 10/06/11 08:00

Matrix: Water

Date Received: 10/06/11 19:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 03:39	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 03:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 03:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 03:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 03:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 03:39	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 03:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 03:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 03:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 03:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 03:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 03:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 03:39	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 03:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 03:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 03:39	1
Acetone	ND		10	3.0	ug/L			10/20/11 03:39	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 03:39	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 03:39	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 03:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 03:39	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 03:39	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 03:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 03:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 03:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 03:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 03:39	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 03:39	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 03:39	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 03:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 03:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 03:39	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 03:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 03:39	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 03:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 03:39	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 03:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 03:39	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 03:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 03:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 03:39	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 03:39	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 03:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 03:39	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 03:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 03:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 03:39	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 03:39	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 03:39	1

Client Sample Results

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: Trip Blank

Date Collected: 10/06/11 08:00

Date Received: 10/06/11 19:30

Lab Sample ID: 480-10851-5

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	115		66 - 137		10/20/11 03:39	1
Toluene-d8 (Surr)	94		71 - 126		10/20/11 03:39	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/20/11 03:39	1

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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13S

Lab Sample ID: 480-10851-6

Date Collected: 10/06/11 14:50

Matrix: Ground Water

Date Received: 10/06/11 19:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 04:04	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 04:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 04:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 04:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 04:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 04:04	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 04:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 04:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 04:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 04:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 04:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 04:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 04:04	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 04:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 04:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 04:04	1
Acetone	ND		10	3.0	ug/L			10/20/11 04:04	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 04:04	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 04:04	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 04:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 04:04	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 04:04	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 04:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 04:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 04:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 04:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 04:04	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 04:04	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 04:04	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 04:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 04:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 04:04	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 04:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 04:04	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 04:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 04:04	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 04:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 04:04	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 04:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 04:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 04:04	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 04:04	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 04:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 04:04	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 04:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 04:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 04:04	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 04:04	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 04:04	1

Client Sample Results

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13S

Lab Sample ID: 480-10851-6

Date Collected: 10/06/11 14:50

Matrix: Ground Water

Date Received: 10/06/11 19:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		66 - 137		10/20/11 04:04	1
Toluene-d8 (Surr)	95		71 - 126		10/20/11 04:04	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/20/11 04:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2.3		0.20	0.060	mg/L		10/11/11 08:30	10/11/11 19:55	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 19:55	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 19:55	1
Barium	0.035		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 19:55	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 19:55	1
Boron	0.0083	J B	0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 19:55	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 19:55	1
Calcium	44		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 19:55	1
Chromium	0.0038	J	0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 19:55	1
Cobalt	0.0010	J	0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 19:55	1
Copper	0.0029	J	0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 19:55	1
Iron	2.3		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 19:55	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 19:55	1
Magnesium	11		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 19:55	1
Manganese	0.049	B	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 19:55	1
Nickel	0.0058	J	0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 19:55	1
Potassium	1.2		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 19:55	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 19:55	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 19:55	1
Sodium	1.6		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 19:55	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 19:55	1
Vanadium	0.0038	J	0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 19:55	1
Zinc	0.0074	J	0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 19:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/11 11:10	10/10/11 14:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.20	0.10	mg/L		10/15/11 10:36	10/15/11 14:40	1
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/13/11 10:00	10/14/11 08:20	1
Nitrate as N	ND		0.050	0.011	mg/L			10/07/11 19:32	1
Chemical Oxygen Demand	53		10	5.0	mg/L			10/18/11 12:40	1
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/21/11 00:09	10/21/11 10:23	1
Hexavalent chromium	ND		0.010	0.0050	mg/L			10/07/11 02:46	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 15:19	10/19/11 09:35	1
Bromide	ND		0.20	0.073	mg/L			10/11/11 22:08	1
Chloride	1.3		0.50	0.28	mg/L			10/11/11 22:08	1
Sulfate	14		2.0	0.35	mg/L			10/11/11 22:08	1
Alkalinity, Total	130		5.0	0.79	mg/L			10/18/11 11:31	1
Hardness as calcium carbonate	170		10	2.6	mg/L			10/19/11 09:15	1
Total Dissolved Solids	150		10	4.0	mg/L			10/11/11 21:58	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 13:41	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/12/11 22:52	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13S

Lab Sample ID: 480-10851-6

Date Collected: 10/06/11 14:50

Matrix: Ground Water

Date Received: 10/06/11 19:30

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	30		5.0	5.0	Color Units			10/07/11 16:13	1
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	37				millivolts			10/06/11 14:50	1
Field pH	8.78				SU			10/06/11 14:50	1
Field Temperature	10.0				Degrees C			10/06/11 14:50	1
Field Turbidity	42.6				NTU			10/06/11 14:50	1
Field Conductivity	266				umhos/cm			10/06/11 14:50	1
Static Water Level	32.52				ft			10/06/11 14:50	1

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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13M

Lab Sample ID: 480-10851-7

Date Collected: 10/06/11 15:45

Matrix: Ground Water

Date Received: 10/06/11 19:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 04:30	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 04:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 04:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 04:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 04:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 04:30	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 04:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 04:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 04:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 04:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 04:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 04:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 04:30	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 04:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 04:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 04:30	1
Acetone	28		10	3.0	ug/L			10/20/11 04:30	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 04:30	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 04:30	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 04:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 04:30	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 04:30	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 04:30	1
Carbon disulfide	7.3		1.0	0.19	ug/L			10/20/11 04:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 04:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 04:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 04:30	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 04:30	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 04:30	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 04:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 04:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 04:30	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 04:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 04:30	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 04:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 04:30	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 04:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 04:30	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 04:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 04:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 04:30	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 04:30	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 04:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 04:30	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 04:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 04:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 04:30	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 04:30	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 04:30	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13M

Lab Sample ID: 480-10851-7

Date Collected: 10/06/11 15:45

Matrix: Ground Water

Date Received: 10/06/11 19:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		66 - 137		10/20/11 04:30	1
Toluene-d8 (Surr)	93		71 - 126		10/20/11 04:30	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/20/11 04:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.45		0.20	0.060	mg/L		10/11/11 08:30	10/11/11 19:57	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 19:57	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 19:57	1
Barium	0.15		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 19:57	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 19:57	1
Boron	0.033		0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 19:57	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 19:57	1
Calcium	36		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 19:57	1
Chromium	0.0047		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 19:57	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 19:57	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 19:57	1
Iron	0.42		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 19:57	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 19:57	1
Magnesium	8.6		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 19:57	1
Manganese	0.20		0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 19:57	1
Nickel	ND		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 19:57	1
Potassium	2.9		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 19:57	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 19:57	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 19:57	1
Sodium	8.6		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 19:57	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 19:57	1
Vanadium	0.0018	J	0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 19:57	1
Zinc	0.0033	J	0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 19:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/11 11:10	10/10/11 14:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.20	0.10	mg/L		10/15/11 10:36	10/15/11 14:41	1
Total Kjeldahl Nitrogen	0.17	J	0.20	0.15	mg/L		10/13/11 10:00	10/14/11 08:20	1
Nitrate as N	ND		0.050	0.011	mg/L			10/07/11 19:34	1
Chemical Oxygen Demand	56		10	5.0	mg/L			10/18/11 12:40	1
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/21/11 00:19	10/21/11 10:27	1
Hexavalent chromium	0.0076	J	0.010	0.0050	mg/L			10/07/11 02:59	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 19:00	10/19/11 10:02	1
Bromide	ND		0.20	0.073	mg/L			10/11/11 22:18	1
Chloride	2.0		0.50	0.28	mg/L			10/11/11 22:18	1
Sulfate	11		2.0	0.35	mg/L			10/11/11 22:18	1
Alkalinity, Total	120		5.0	0.79	mg/L			10/18/11 11:38	1
Hardness as calcium carbonate	140		10	2.6	mg/L			10/19/11 09:15	1
Total Dissolved Solids	130		10	4.0	mg/L			10/11/11 21:59	1
Biochemical Oxygen Demand	3.2	b	2.0	2.0	mg/L			10/07/11 10:42	1
Total Organic Carbon	1.2	B	1.0	0.43	mg/L			10/12/11 23:12	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13M

Lab Sample ID: 480-10851-7

Date Collected: 10/06/11 15:45

Matrix: Ground Water

Date Received: 10/06/11 19:30

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	5.0		5.0	5.0	Color Units			10/07/11 16:16	1
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	45				millivolts			10/06/11 15:45	1
Field pH	10.48				SU			10/06/11 15:45	1
Field Temperature	10.0				Degrees C			10/06/11 15:45	1
Field Turbidity	13.4				NTU			10/06/11 15:45	1
Field Conductivity	212				umhos/cm			10/06/11 15:45	1
Static Water Level	74.13				ft			10/06/11 15:45	1

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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13D
Date Collected: 10/06/11 14:37
Date Received: 10/06/11 19:30

Lab Sample ID: 480-10851-8
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 04:55	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 04:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 04:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 04:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 04:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 04:55	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 04:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 04:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 04:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 04:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 04:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 04:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 04:55	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 04:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 04:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 04:55	1
Acetone	37		10	3.0	ug/L			10/20/11 04:55	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 04:55	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 04:55	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 04:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 04:55	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 04:55	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 04:55	1
Carbon disulfide	13		1.0	0.19	ug/L			10/20/11 04:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 04:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 04:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 04:55	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 04:55	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 04:55	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 04:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 04:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 04:55	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 04:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 04:55	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 04:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 04:55	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 04:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 04:55	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 04:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 04:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 04:55	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 04:55	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 04:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 04:55	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 04:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 04:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 04:55	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 04:55	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 04:55	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13D

Lab Sample ID: 480-10851-8

Date Collected: 10/06/11 14:37

Matrix: Ground Water

Date Received: 10/06/11 19:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		66 - 137		10/20/11 04:55	1
Toluene-d8 (Surr)	103		71 - 126		10/20/11 04:55	1
4-Bromofluorobenzene (Surr)	107		73 - 120		10/20/11 04:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.20		0.20	0.060	mg/L		10/11/11 08:30	10/11/11 19:59	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 19:59	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 19:59	1
Barium	0.046		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 19:59	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 19:59	1
Boron	0.072	B	0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 19:59	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 19:59	1
Calcium	15		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 19:59	1
Chromium	0.0045		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 19:59	1
Cobalt	0.0013	J	0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 19:59	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 19:59	1
Iron	0.19		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 19:59	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 19:59	1
Magnesium	0.31		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 19:59	1
Manganese	0.0046	B	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 19:59	1
Nickel	0.0023	J	0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 19:59	1
Potassium	44		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 19:59	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 19:59	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 19:59	1
Sodium	30		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 19:59	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 19:59	1
Vanadium	0.0020	J	0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 19:59	1
Zinc	ND		0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 19:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/11 11:10	10/10/11 14:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.26		0.20	0.10	mg/L		10/15/11 10:36	10/15/11 14:42	1
Total Kjeldahl Nitrogen	0.41		0.20	0.15	mg/L		10/13/11 10:00	10/14/11 08:20	1
Nitrate as N	0.24		0.050	0.011	mg/L			10/07/11 19:36	1
Chemical Oxygen Demand	65		10	5.0	mg/L			10/18/11 12:40	1
Phenolics, Total Recoverable	0.0075	J	0.010	0.0050	mg/L		10/25/11 18:13	10/26/11 15:52	1
Hexavalent chromium	0.013		0.010	0.0050	mg/L			10/07/11 02:40	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 21:30	10/19/11 10:12	1
Bromide	ND		0.20	0.073	mg/L			10/11/11 22:29	1
Chloride	13		0.50	0.28	mg/L			10/11/11 22:29	1
Sulfate	23		2.0	0.35	mg/L			10/11/11 22:29	1
Alkalinity, Total	120		5.0	0.79	mg/L			10/18/11 12:01	1
Hardness as calcium carbonate	36		4.0	1.1	mg/L			10/19/11 09:15	1
Total Dissolved Solids	180		10	4.0	mg/L			10/11/11 22:00	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 10:42	1
Total Organic Carbon	2.0	B	1.0	0.43	mg/L			10/12/11 23:32	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13D

Lab Sample ID: 480-10851-8

Date Collected: 10/06/11 14:37

Matrix: Ground Water

Date Received: 10/06/11 19:30

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.0	5.0	Color Units			10/07/11 16:21	1
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	-5.0				millivolts			10/06/11 14:37	1
Field pH	10.49				SU			10/06/11 14:37	1
Field Temperature	10.2				Degrees C			10/06/11 14:37	1
Field Turbidity	5.77				NTU			10/06/11 14:37	1
Field Conductivity	670				umhos/cm			10/06/11 14:37	1
Static Water Level	76.26				ft			10/06/11 14:37	1

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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6D

Date Collected: 10/07/11 12:15

Date Received: 10/07/11 16:39

Lab Sample ID: 480-10934-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 12:38	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 12:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 12:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 12:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 12:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 12:38	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 12:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 12:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 12:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 12:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 12:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 12:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 12:38	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 12:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 12:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 12:38	1
Acetone	ND		10	3.0	ug/L			10/20/11 12:38	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 12:38	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 12:38	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 12:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 12:38	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 12:38	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 12:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 12:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 12:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 12:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 12:38	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 12:38	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 12:38	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 12:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 12:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 12:38	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 12:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 12:38	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 12:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 12:38	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 12:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 12:38	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 12:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 12:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 12:38	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 12:38	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 12:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 12:38	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 12:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 12:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 12:38	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 12:38	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 12:38	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6D

Lab Sample ID: 480-10934-1

Date Collected: 10/07/11 12:15

Matrix: Ground Water

Date Received: 10/07/11 16:39

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		66 - 137		10/20/11 12:38	1
Toluene-d8 (Surr)	107		71 - 126		10/20/11 12:38	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/20/11 12:38	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.089	J	0.20	0.060	mg/L		10/11/11 08:30	10/11/11 15:16	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 15:16	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 15:16	1
Barium	0.11		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 15:16	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 15:16	1
Boron	0.14		0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 15:16	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 15:16	1
Calcium	30		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 15:16	1
Chromium	ND		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 15:16	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 15:16	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 15:16	1
Iron	0.11		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 15:16	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 15:16	1
Magnesium	8.6		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 15:16	1
Manganese	0.033	B	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 15:16	1
Nickel	ND		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 15:16	1
Potassium	2.2		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 15:16	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 15:16	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 15:16	1
Sodium	29		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 15:16	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 15:16	1
Vanadium	ND		0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 15:16	1
Zinc	0.0028	J	0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 15:16	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/12/11 11:35	10/12/11 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.13	J	0.20	0.10	mg/L		10/15/11 10:36	10/15/11 14:43	1
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/19/11 01:53	10/19/11 09:50	1
Nitrate as N	ND		0.050	0.011	mg/L			10/07/11 21:43	1
Chemical Oxygen Demand	9.2	J	10	5.0	mg/L			10/20/11 13:30	1
Phenolics, Total Recoverable	0.0059	J	0.010	0.0050	mg/L		10/21/11 16:45	10/25/11 10:03	1
Hexavalent chromium	ND		0.010	0.0050	mg/L			10/07/11 23:50	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/19/11 08:26	10/19/11 10:36	1
Bromide	ND		0.20	0.073	mg/L			10/12/11 11:59	1
Chloride	2.3		0.50	0.28	mg/L			10/12/11 11:59	1
Sulfate	13		2.0	0.35	mg/L			10/12/11 11:59	1
Alkalinity, Total	160		5.0	0.79	mg/L			10/18/11 12:58	1
Hardness as calcium carbonate	100		10	2.6	mg/L			10/19/11 09:15	1
Total Dissolved Solids	160		10	4.0	mg/L			10/13/11 01:20	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 19:38	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/12/11 23:52	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6D

Lab Sample ID: 480-10934-1

Date Collected: 10/07/11 12:15

Matrix: Ground Water

Date Received: 10/07/11 16:39

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.0	5.0	Color Units			10/08/11 17:45	1
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	153				millivolts			10/07/11 12:15	1
Field pH	6.96				SU			10/07/11 12:15	1
Field Temperature	11.2				Degrees C			10/07/11 12:15	1
Field Turbidity	6.05				NTU			10/07/11 12:15	1
Field Conductivity	285				umhos/cm			10/07/11 12:15	1
Static Water Level	14.32				ft			10/07/11 12:15	1

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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6M

Lab Sample ID: 480-10934-2

Date Collected: 10/07/11 13:10

Matrix: Ground Water

Date Received: 10/07/11 16:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 13:00	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 13:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 13:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 13:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 13:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 13:00	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 13:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 13:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 13:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 13:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 13:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 13:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 13:00	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 13:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 13:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 13:00	1
Acetone	ND		10	3.0	ug/L			10/20/11 13:00	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 13:00	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 13:00	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 13:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 13:00	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 13:00	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 13:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 13:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 13:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 13:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 13:00	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 13:00	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 13:00	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 13:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 13:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 13:00	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 13:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 13:00	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 13:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 13:00	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 13:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 13:00	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 13:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 13:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 13:00	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 13:00	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 13:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 13:00	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 13:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 13:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 13:00	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 13:00	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 13:00	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6M

Lab Sample ID: 480-10934-2

Date Collected: 10/07/11 13:10

Matrix: Ground Water

Date Received: 10/07/11 16:39

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		66 - 137		10/20/11 13:00	1
Toluene-d8 (Surr)	105		71 - 126		10/20/11 13:00	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/20/11 13:00	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.065	J	0.20	0.060	mg/L		10/11/11 08:30	10/11/11 15:31	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 15:31	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 15:31	1
Barium	0.15		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 15:31	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 15:31	1
Boron	0.048		0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 15:31	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 15:31	1
Calcium	38		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 15:31	1
Chromium	ND		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 15:31	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 15:31	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 15:31	1
Iron	0.080		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 15:31	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 15:31	1
Magnesium	11		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 15:31	1
Manganese	0.26	B	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 15:31	1
Nickel	ND		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 15:31	1
Potassium	2.0		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 15:31	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 15:31	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 15:31	1
Sodium	7.1		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 15:31	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 15:31	1
Vanadium	ND		0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 15:31	1
Zinc	0.0017	J	0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 15:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/12/11 11:35	10/12/11 14:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.12	J	0.20	0.10	mg/L		10/17/11 11:02	10/18/11 11:39	1
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/19/11 01:53	10/19/11 09:50	1
Nitrate as N	ND		0.050	0.011	mg/L			10/07/11 21:45	1
Chemical Oxygen Demand	8.6	J	10	5.0	mg/L			10/20/11 13:30	1
Phenolics, Total Recoverable	0.0070	J	0.010	0.0050	mg/L		10/21/11 16:45	10/25/11 10:03	1
Hexavalent chromium	ND		0.010	0.0050	mg/L			10/07/11 23:59	1
Cyanide, Total	ND		0.010	0.0050	mg/L		10/19/11 08:26	10/19/11 10:37	1
Bromide	ND		0.20	0.073	mg/L			10/12/11 12:09	1
Chloride	8.2		0.50	0.28	mg/L			10/12/11 12:09	1
Sulfate	10		2.0	0.35	mg/L			10/12/11 12:09	1
Alkalinity, Total	140		5.0	0.79	mg/L			10/18/11 13:13	1
Hardness as calcium carbonate	230		20	5.3	mg/L			10/21/11 16:43	10
Total Dissolved Solids	170		10	4.0	mg/L			10/13/11 01:21	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 19:38	1
Total Organic Carbon	ND		1.0	0.43	mg/L			10/13/11 00:11	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6M

Lab Sample ID: 480-10934-2

Date Collected: 10/07/11 13:10

Matrix: Ground Water

Date Received: 10/07/11 16:39

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.0	5.0	Color Units			10/08/11 17:45	1
Method: Field Sampling - Field Sampling									
Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Field EH/ORP	68				millivolts			10/07/11 13:10	1
Field pH	6.71				SU			10/07/11 13:10	1
Field Temperature	11.0				Degrees C			10/07/11 13:10	1
Field Turbidity	2.77				NTU			10/07/11 13:10	1
Field Conductivity	262				umhos/cm			10/07/11 13:10	1
Static Water Level	15.40				ft			10/07/11 13:10	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-10934-3

Date Collected: 10/07/11 00:00

Matrix: Water

Date Received: 10/07/11 16:39

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 13:22	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 13:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 13:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 13:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 13:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 13:22	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 13:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 13:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 13:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 13:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 13:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 13:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 13:22	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 13:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 13:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 13:22	1
Acetone	ND		10	3.0	ug/L			10/20/11 13:22	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 13:22	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 13:22	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 13:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 13:22	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 13:22	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 13:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 13:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 13:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 13:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 13:22	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 13:22	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 13:22	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 13:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 13:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 13:22	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 13:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 13:22	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 13:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 13:22	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 13:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 13:22	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 13:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 13:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 13:22	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 13:22	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 13:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 13:22	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 13:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 13:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 13:22	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 13:22	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 13:22	1

Client Sample Results

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: Trip Blank

Date Collected: 10/07/11 00:00

Date Received: 10/07/11 16:39

Lab Sample ID: 480-10934-3

Matrix: Water

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	121		66 - 137		10/20/11 13:22	1
Toluene-d8 (Surr)	110		71 - 126		10/20/11 13:22	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/20/11 13:22	1

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Surrogate Summary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-10851-1	PZ-1M	113	94	95
480-10851-2	PZ-9S	116	95	96
480-10851-3	PZ-9M	109	96	96
480-10851-4	PZ-9D	114	95	96
480-10851-6	PZ-13S	112	95	98
480-10851-7	PZ-13M	112	93	94
480-10851-8	PZ-13D	119	103	107
480-10934-1	PZ-6D	119	107	100
480-10934-2	PZ-6M	118	105	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-10851-5	Trip Blank	115	94	98
480-10934-3	Trip Blank	121	110	102
LCS 480-36241/4	Lab Control Sample	109	97	101
LCS 480-36287/4	Lab Control Sample	118	108	106
MB 480-36241/5	Method Blank	111	97	98
MB 480-36287/5	Method Blank	121	109	103

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

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

Lab Sample ID: MB 480-36241/5

Matrix: Water

Analysis Batch: 36241

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/19/11 23:16	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/19/11 23:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/11 23:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/11 23:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/11 23:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/11 23:16	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/19/11 23:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/11 23:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/11 23:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/11 23:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/11 23:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/11 23:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/11 23:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/11 23:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/11 23:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/11 23:16	1
Acetone	ND		10	3.0	ug/L			10/19/11 23:16	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/19/11 23:16	1
Benzene	ND		1.0	0.41	ug/L			10/19/11 23:16	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/19/11 23:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/11 23:16	1
Bromoform	ND		1.0	0.26	ug/L			10/19/11 23:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/11 23:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/11 23:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/11 23:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/11 23:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/11 23:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/11 23:16	1
Chloroform	ND		1.0	0.34	ug/L			10/19/11 23:16	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/11 23:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/11 23:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/11 23:16	1
Dibromomethane	ND		1.0	0.41	ug/L			10/19/11 23:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/11 23:16	1
Iodomethane	ND		1.0	0.30	ug/L			10/19/11 23:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/11 23:16	1
Styrene	ND		1.0	0.73	ug/L			10/19/11 23:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/11 23:16	1
Toluene	ND		1.0	0.51	ug/L			10/19/11 23:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/11 23:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/11 23:16	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/19/11 23:16	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/11 23:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/11 23:16	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/19/11 23:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/11 23:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/11 23:16	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/19/11 23:16	1
o-Xylene	ND		1.0	0.76	ug/L			10/19/11 23:16	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

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

Lab Sample ID: MB 480-36241/5

Matrix: Water

Analysis Batch: 36241

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	111		66 - 137		10/19/11 23:16	1
Toluene-d8 (Surr)	97		71 - 126		10/19/11 23:16	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/19/11 23:16	1

Lab Sample ID: LCS 480-36241/4

Matrix: Water

Analysis Batch: 36241

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	25.0	26.6		ug/L		106	71 - 129
1,1-Dichloroethene	25.0	22.7		ug/L		91	65 - 138
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	77 - 120
1,2-Dichloroethane	25.0	29.6		ug/L		118	75 - 127
Benzene	25.0	25.8		ug/L		103	71 - 124
Chlorobenzene	25.0	24.7		ug/L		99	72 - 120
cis-1,2-Dichloroethene	25.0	24.8		ug/L		99	74 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	24.0		ug/L		96	70 - 122
trans-1,2-Dichloroethene	25.0	25.9		ug/L		104	73 - 127
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
m,p-Xylene	50.0	50.8		ug/L		102	76 - 122
o-Xylene	25.0	25.2		ug/L		101	76 - 122

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	101		73 - 120

Lab Sample ID: MB 480-36287/5

Matrix: Water

Analysis Batch: 36287

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/20/11 10:11	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/20/11 10:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/11 10:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/11 10:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/11 10:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/11 10:11	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/20/11 10:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/11 10:11	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/11 10:11	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/11 10:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/11 10:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/11 10:11	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/11 10:11	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/11 10:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/11 10:11	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

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

Lab Sample ID: MB 480-36287/5

Matrix: Water

Analysis Batch: 36287

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/11 10:11	1
Acetone	ND		10	3.0	ug/L			10/20/11 10:11	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/20/11 10:11	1
Benzene	ND		1.0	0.41	ug/L			10/20/11 10:11	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/20/11 10:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/11 10:11	1
Bromoform	ND		1.0	0.26	ug/L			10/20/11 10:11	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/11 10:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/11 10:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/11 10:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/11 10:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/11 10:11	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/11 10:11	1
Chloroform	ND		1.0	0.34	ug/L			10/20/11 10:11	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/11 10:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/11 10:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/11 10:11	1
Dibromomethane	ND		1.0	0.41	ug/L			10/20/11 10:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/11 10:11	1
Iodomethane	ND		1.0	0.30	ug/L			10/20/11 10:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/11 10:11	1
Styrene	ND		1.0	0.73	ug/L			10/20/11 10:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/11 10:11	1
Toluene	ND		1.0	0.51	ug/L			10/20/11 10:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/11 10:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/11 10:11	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			10/20/11 10:11	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/11 10:11	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/11 10:11	1
Vinyl acetate	ND		5.0	0.85	ug/L			10/20/11 10:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/11 10:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/11 10:11	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/20/11 10:11	1
o-Xylene	ND		1.0	0.76	ug/L			10/20/11 10:11	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	121		66 - 137		10/20/11 10:11	1
Toluene-d8 (Surr)	109		71 - 126		10/20/11 10:11	1
4-Bromofluorobenzene (Surr)	103		73 - 120		10/20/11 10:11	1

Lab Sample ID: LCS 480-36287/4

Matrix: Water

Analysis Batch: 36287

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	25.0	25.1		ug/L		100	71 - 129
1,1-Dichloroethene	25.0	22.7		ug/L		91	65 - 138
1,2-Dichlorobenzene	25.0	25.6		ug/L		102	77 - 120
1,2-Dichloroethane	25.0	29.8		ug/L		119	75 - 127

QC Sample Results

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

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

Lab Sample ID: LCS 480-36287/4

Matrix: Water

Analysis Batch: 36287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	24.0		ug/L		96	71 - 124
Chlorobenzene	25.0	26.7		ug/L		107	72 - 120
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
Ethylbenzene	25.0	26.4		ug/L		106	77 - 123
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	25.0		ug/L		100	70 - 122
trans-1,2-Dichloroethene	25.0	25.7		ug/L		103	73 - 127
Trichloroethene	25.0	25.0		ug/L		100	74 - 123
m,p-Xylene	50.0	54.1		ug/L		108	76 - 122
o-Xylene	25.0	26.7		ug/L		107	76 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
Toluene-d8 (Surr)	108		71 - 126
4-Bromofluorobenzene (Surr)	106		73 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-34765/1-A

Matrix: Water

Analysis Batch: 35042

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		10/11/11 08:30	10/11/11 14:49	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 14:49	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 14:49	1
Barium	ND		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 14:49	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 14:49	1
Boron	ND		0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 14:49	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 14:49	1
Calcium	ND		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 14:49	1
Chromium	ND		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 14:49	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 14:49	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 14:49	1
Iron	ND		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 14:49	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 14:49	1
Magnesium	ND		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 14:49	1
Manganese	0.00232	J	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 14:49	1
Nickel	ND		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 14:49	1
Potassium	ND		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 14:49	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 14:49	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 14:49	1
Sodium	ND		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 14:49	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 14:49	1
Vanadium	ND		0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 14:49	1
Zinc	ND		0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 14:49	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-34765/2-A

Matrix: Water

Analysis Batch: 35042

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34765

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	11.1		mg/L		111	80 - 120
Antimony	0.200	0.214		mg/L		107	80 - 120
Arsenic	0.200	0.212		mg/L		106	80 - 120
Barium	0.200	0.223		mg/L		112	80 - 120
Beryllium	0.200	0.217		mg/L		109	80 - 120
Boron	0.200	0.217		mg/L		109	80 - 120
Cadmium	0.200	0.214		mg/L		107	80 - 120
Calcium	10.0	10.7		mg/L		107	80 - 120
Chromium	0.200	0.217		mg/L		109	80 - 120
Cobalt	0.200	0.201		mg/L		101	80 - 120
Copper	0.200	0.218		mg/L		109	80 - 120
Iron	10.0	10.7		mg/L		107	80 - 120
Lead	0.200	0.211		mg/L		106	80 - 120
Magnesium	10.0	10.9		mg/L		109	80 - 120
Manganese	0.200	0.218		mg/L		109	80 - 120
Nickel	0.200	0.216		mg/L		108	80 - 120
Potassium	10.0	10.7		mg/L		107	80 - 120
Selenium	0.200	0.214		mg/L		107	80 - 120
Silver	0.0500	0.0524		mg/L		105	80 - 120
Sodium	10.0	10.7		mg/L		107	80 - 120
Thallium	0.200	0.215		mg/L		108	80 - 120
Vanadium	0.200	0.207		mg/L		103	80 - 120
Zinc	0.200	0.225		mg/L		113	80 - 120

Lab Sample ID: 480-10934-1 MS

Matrix: Ground Water

Analysis Batch: 35042

Client Sample ID: PZ-6D

Prep Type: Total/NA

Prep Batch: 34765

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.089	J	10.0	10.7		mg/L		106	75 - 125
Antimony	ND		0.200	0.205		mg/L		103	75 - 125
Arsenic	ND		0.200	0.206		mg/L		103	75 - 125
Barium	0.11		0.200	0.324		mg/L		106	75 - 125
Beryllium	ND		0.200	0.208		mg/L		104	75 - 125
Boron	0.14		0.200	0.352		mg/L		104	75 - 125
Cadmium	ND		0.200	0.205		mg/L		103	75 - 125
Calcium	30		10.0	39.6		mg/L		96	75 - 125
Chromium	ND		0.200	0.207		mg/L		103	75 - 125
Cobalt	ND		0.200	0.193		mg/L		96	75 - 125
Copper	ND		0.200	0.209		mg/L		104	75 - 125
Iron	0.11		10.0	10.1		mg/L		100	75 - 125
Lead	ND		0.200	0.202		mg/L		101	75 - 125
Magnesium	8.6		10.0	18.7		mg/L		101	75 - 125
Manganese	0.033	B	0.200	0.235		mg/L		101	75 - 125
Nickel	ND		0.200	0.206		mg/L		103	75 - 125
Potassium	2.2		10.0	12.7		mg/L		104	75 - 125
Selenium	ND		0.200	0.200		mg/L		100	75 - 125
Silver	ND		0.0500	0.0515		mg/L		103	75 - 125
Sodium	29		10.0	38.7		mg/L		102	75 - 125
Thallium	ND		0.200	0.202		mg/L		101	75 - 125

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 480-10934-1 MS
Matrix: Ground Water
Analysis Batch: 35042

Client Sample ID: PZ-6D
Prep Type: Total/NA
Prep Batch: 34765

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Vanadium	ND		0.200	0.199		mg/L		100	75 - 125	
Zinc	0.0028	J	0.200	0.216		mg/L		107	75 - 125	

Lab Sample ID: 480-10934-1 MSD
Matrix: Ground Water
Analysis Batch: 35042

Client Sample ID: PZ-6D
Prep Type: Total/NA
Prep Batch: 34765

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Aluminum	0.089	J	10.0	10.7		mg/L		106	75 - 125	0	20	
Antimony	ND		0.200	0.206		mg/L		103	75 - 125	1	20	
Arsenic	ND		0.200	0.207		mg/L		104	75 - 125	1	20	
Barium	0.11		0.200	0.325		mg/L		106	75 - 125	0	20	
Beryllium	ND		0.200	0.210		mg/L		105	75 - 125	1	20	
Boron	0.14		0.200	0.352		mg/L		104	75 - 125	0	20	
Cadmium	ND		0.200	0.207		mg/L		103	75 - 125	1	20	
Calcium	30		10.0	40.1		mg/L		102	75 - 125	1	20	
Chromium	ND		0.200	0.208		mg/L		104	75 - 125	1	20	
Cobalt	ND		0.200	0.194		mg/L		97	75 - 125	1	20	
Copper	ND		0.200	0.210		mg/L		105	75 - 125	1	20	
Iron	0.11		10.0	10.2		mg/L		101	75 - 125	1	20	
Lead	ND		0.200	0.202		mg/L		101	75 - 125	0	20	
Magnesium	8.6		10.0	18.9		mg/L		103	75 - 125	1	20	
Manganese	0.033	B	0.200	0.238		mg/L		102	75 - 125	1	20	
Nickel	ND		0.200	0.207		mg/L		103	75 - 125	0	20	
Potassium	2.2		10.0	12.6		mg/L		104	75 - 125	0	20	
Selenium	ND		0.200	0.203		mg/L		101	75 - 125	1	20	
Silver	ND		0.0500	0.0520		mg/L		104	75 - 125	1	20	
Sodium	29		10.0	38.9		mg/L		104	75 - 125	1	20	
Thallium	ND		0.200	0.203		mg/L		101	75 - 125	1	20	
Vanadium	ND		0.200	0.201		mg/L		100	75 - 125	1	20	
Zinc	0.0028	J	0.200	0.229		mg/L		113	75 - 125	6	20	

Lab Sample ID: MB 480-34769/1-A
Matrix: Water
Analysis Batch: 35048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 34769

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		10/11/11 08:30	10/11/11 19:13	1
Antimony	ND		0.020	0.0068	mg/L		10/11/11 08:30	10/11/11 19:13	1
Arsenic	ND		0.010	0.0056	mg/L		10/11/11 08:30	10/11/11 19:13	1
Barium	ND		0.0020	0.00050	mg/L		10/11/11 08:30	10/11/11 19:13	1
Beryllium	ND		0.0020	0.00030	mg/L		10/11/11 08:30	10/11/11 19:13	1
Boron	0.00598	J	0.020	0.0040	mg/L		10/11/11 08:30	10/11/11 19:13	1
Cadmium	ND		0.0010	0.00033	mg/L		10/11/11 08:30	10/11/11 19:13	1
Calcium	ND		0.50	0.10	mg/L		10/11/11 08:30	10/11/11 19:13	1
Chromium	ND		0.0040	0.00087	mg/L		10/11/11 08:30	10/11/11 19:13	1
Cobalt	ND		0.0040	0.00063	mg/L		10/11/11 08:30	10/11/11 19:13	1
Copper	ND		0.010	0.0015	mg/L		10/11/11 08:30	10/11/11 19:13	1
Iron	ND		0.050	0.019	mg/L		10/11/11 08:30	10/11/11 19:13	1
Lead	ND		0.0050	0.0030	mg/L		10/11/11 08:30	10/11/11 19:13	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 480-34769/1-A

Matrix: Water

Analysis Batch: 35048

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34769

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		0.20	0.043	mg/L		10/11/11 08:30	10/11/11 19:13	1
Manganese	0.00225	J	0.0030	0.00030	mg/L		10/11/11 08:30	10/11/11 19:13	1
Nickel	ND		0.010	0.0013	mg/L		10/11/11 08:30	10/11/11 19:13	1
Potassium	ND		0.50	0.20	mg/L		10/11/11 08:30	10/11/11 19:13	1
Selenium	ND		0.015	0.0087	mg/L		10/11/11 08:30	10/11/11 19:13	1
Silver	ND		0.0030	0.0017	mg/L		10/11/11 08:30	10/11/11 19:13	1
Sodium	ND		1.0	0.32	mg/L		10/11/11 08:30	10/11/11 19:13	1
Thallium	ND		0.020	0.010	mg/L		10/11/11 08:30	10/11/11 19:13	1
Vanadium	ND		0.0050	0.0011	mg/L		10/11/11 08:30	10/11/11 19:13	1
Zinc	ND		0.010	0.0017	mg/L		10/11/11 08:30	10/11/11 19:13	1

Lab Sample ID: LCS 480-34769/2-A

Matrix: Water

Analysis Batch: 35048

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 34769

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	10.0	11.1		mg/L		111	80 - 120	
Antimony	0.200	0.211		mg/L		105	80 - 120	
Arsenic	0.200	0.212		mg/L		106	80 - 120	
Barium	0.200	0.221		mg/L		111	80 - 120	
Beryllium	0.200	0.214		mg/L		107	80 - 120	
Boron	0.200	0.221		mg/L		111	80 - 120	
Cadmium	0.200	0.213		mg/L		107	80 - 120	
Calcium	10.0	10.7		mg/L		107	80 - 120	
Chromium	0.200	0.211		mg/L		106	80 - 120	
Cobalt	0.200	0.200		mg/L		100	80 - 120	
Copper	0.200	0.215		mg/L		108	80 - 120	
Iron	10.0	10.3		mg/L		103	80 - 120	
Lead	0.200	0.210		mg/L		105	80 - 120	
Magnesium	10.0	10.8		mg/L		108	80 - 120	
Manganese	0.200	0.212		mg/L		106	80 - 120	
Nickel	0.200	0.207		mg/L		104	80 - 120	
Potassium	10.0	10.9		mg/L		109	80 - 120	
Selenium	0.200	0.210		mg/L		105	80 - 120	
Silver	0.0500	0.0529		mg/L		106	80 - 120	
Sodium	10.0	10.8		mg/L		108	80 - 120	
Thallium	0.200	0.209		mg/L		104	80 - 120	
Vanadium	0.200	0.203		mg/L		102	80 - 120	
Zinc	0.200	0.223		mg/L		111	80 - 120	

Lab Sample ID: 480-10851-3 MS

Matrix: Ground Water

Analysis Batch: 35048

Client Sample ID: PZ-9M

Prep Type: Total/NA

Prep Batch: 34769

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Aluminum	0.52		10.0	11.8		mg/L		112	75 - 125	
Antimony	ND		0.200	0.210		mg/L		105	75 - 125	
Arsenic	ND		0.200	0.216		mg/L		108	75 - 125	
Barium	0.17		0.200	0.388		mg/L		111	75 - 125	
Beryllium	ND		0.200	0.213		mg/L		106	75 - 125	

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 480-10851-3 MS
Matrix: Ground Water
Analysis Batch: 35048

Client Sample ID: PZ-9M
Prep Type: Total/NA
Prep Batch: 34769

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Boron	0.015	J B	0.200	0.229		mg/L		107	75 - 125	
Cadmium	ND		0.200	0.212		mg/L		106	75 - 125	
Calcium	28		10.0	38.6		mg/L		108	75 - 125	
Chromium	ND		0.200	0.213		mg/L		106	75 - 125	
Cobalt	ND		0.200	0.199		mg/L		100	75 - 125	
Copper	ND		0.200	0.216		mg/L		108	75 - 125	
Iron	0.43		10.0	10.6		mg/L		102	75 - 125	
Lead	ND		0.200	0.210		mg/L		105	75 - 125	
Magnesium	9.0		10.0	19.9		mg/L		109	75 - 125	
Manganese	0.27	B	0.200	0.477		mg/L		106	75 - 125	
Nickel	ND		0.200	0.205		mg/L		103	75 - 125	
Potassium	1.3		10.0	12.2		mg/L		109	75 - 125	
Selenium	ND		0.200	0.212		mg/L		106	75 - 125	
Silver	ND		0.0500	0.0519		mg/L		104	75 - 125	
Sodium	2.7		10.0	13.4		mg/L		107	75 - 125	
Thallium	ND		0.200	0.207		mg/L		104	75 - 125	
Vanadium	ND		0.200	0.204		mg/L		102	75 - 125	
Zinc	0.0025	J	0.200	0.224		mg/L		111	75 - 125	

Lab Sample ID: 480-10851-3 MSD
Matrix: Ground Water
Analysis Batch: 35048

Client Sample ID: PZ-9M
Prep Type: Total/NA
Prep Batch: 34769

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
Aluminum	0.52		10.0	11.8		mg/L		113	75 - 125	0	20	
Antimony	ND		0.200	0.210		mg/L		105	75 - 125	0	20	
Arsenic	ND		0.200	0.215		mg/L		108	75 - 125	0	20	
Barium	0.17		0.200	0.388		mg/L		111	75 - 125	0	20	
Beryllium	ND		0.200	0.215		mg/L		107	75 - 125	1	20	
Boron	0.015	J B	0.200	0.228		mg/L		107	75 - 125	0	20	
Cadmium	ND		0.200	0.212		mg/L		106	75 - 125	0	20	
Calcium	28		10.0	39.0		mg/L		112	75 - 125	1	20	
Chromium	ND		0.200	0.216		mg/L		108	75 - 125	2	20	
Cobalt	ND		0.200	0.199		mg/L		99	75 - 125	0	20	
Copper	ND		0.200	0.218		mg/L		109	75 - 125	1	20	
Iron	0.43		10.0	10.8		mg/L		104	75 - 125	2	20	
Lead	ND		0.200	0.210		mg/L		105	75 - 125	0	20	
Magnesium	9.0		10.0	19.8		mg/L		108	75 - 125	0	20	
Manganese	0.27	B	0.200	0.476		mg/L		105	75 - 125	0	20	
Nickel	ND		0.200	0.206		mg/L		103	75 - 125	0	20	
Potassium	1.3		10.0	12.3		mg/L		110	75 - 125	1	20	
Selenium	ND		0.200	0.214		mg/L		107	75 - 125	1	20	
Silver	ND		0.0500	0.0532		mg/L		106	75 - 125	2	20	
Sodium	2.7		10.0	13.5		mg/L		108	75 - 125	1	20	
Thallium	ND		0.200	0.211		mg/L		105	75 - 125	2	20	
Vanadium	ND		0.200	0.206		mg/L		103	75 - 125	1	20	
Zinc	0.0025	J	0.200	0.226		mg/L		112	75 - 125	1	20	

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-34682/1-A
 Matrix: Water
 Analysis Batch: 34784

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 34682

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/10/11 11:10	10/10/11 14:13	1

Lab Sample ID: LCS 480-34682/2-A
 Matrix: Water
 Analysis Batch: 34784

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 34682

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00677		mg/L		101	80 - 120

Lab Sample ID: 480-10851-4 MS
 Matrix: Ground Water
 Analysis Batch: 34784

Client Sample ID: PZ-9D
 Prep Type: Total/NA
 Prep Batch: 34682

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00695		mg/L		104	75 - 125

Lab Sample ID: 480-10851-4 MSD
 Matrix: Ground Water
 Analysis Batch: 34784

Client Sample ID: PZ-9D
 Prep Type: Total/NA
 Prep Batch: 34682

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00687		mg/L		103	75 - 125	1	20

Lab Sample ID: MB 480-35065/1-A
 Matrix: Water
 Analysis Batch: 35151

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 35065

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		10/12/11 11:35	10/12/11 14:35	1

Lab Sample ID: LCS 480-35065/2-A
 Matrix: Water
 Analysis Batch: 35151

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 35065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00698		mg/L		105	80 - 120

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-35131/2-A
 Matrix: Water
 Analysis Batch: 35414

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 35131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.20	0.10	mg/L		10/12/11 15:50	10/12/11 16:25	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 480-35131/1-A
 Matrix: Water
 Analysis Batch: 35414

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 35131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.06		mg/L		106	90 - 110

Lab Sample ID: MB 480-35608/2-A
 Matrix: Water
 Analysis Batch: 35627

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 35608

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.20	0.10	mg/L		10/15/11 10:36	10/15/11 14:23	1

Lab Sample ID: LCS 480-35608/1-A
 Matrix: Water
 Analysis Batch: 35627

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 35608

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.05		mg/L		105	90 - 110

Lab Sample ID: MB 480-35780/2-A
 Matrix: Water
 Analysis Batch: 35979

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 35780

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.20	0.10	mg/L		10/17/11 11:02	10/18/11 11:34	1

Lab Sample ID: LCS 480-35780/1-A
 Matrix: Water
 Analysis Batch: 35979

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 35780

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: 480-10934-2 DU
 Matrix: Ground Water
 Analysis Batch: 35979

Client Sample ID: PZ-6M
 Prep Type: Total/NA
 Prep Batch: 35780

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.12	J	ND		mg/L		NC	20

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-35305/1-A
 Matrix: Water
 Analysis Batch: 35476

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 35305

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/13/11 10:00	10/14/11 07:15	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 480-35305/2-A
 Matrix: Water
 Analysis Batch: 35476

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 35305

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.55		mg/L		102	90 - 110

Lab Sample ID: MB 480-36039/1-A
 Matrix: Water
 Analysis Batch: 36158

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 36039

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/19/11 01:14	10/19/11 07:27	1

Lab Sample ID: LCS 480-36039/2-A
 Matrix: Water
 Analysis Batch: 36158

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 36039

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.42		mg/L		97	90 - 110

Lab Sample ID: MB 480-36042/1-A
 Matrix: Water
 Analysis Batch: 36158

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 36042

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		10/19/11 01:53	10/19/11 07:27	1

Lab Sample ID: LCS 480-36042/2-A
 Matrix: Water
 Analysis Batch: 36158

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 36042

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Kjeldahl Nitrogen	2.50	2.38		mg/L		95	90 - 110

Method: 410.4 - COD

Lab Sample ID: MB 480-36017/51
 Matrix: Water
 Analysis Batch: 36017

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	5.0	mg/L			10/18/11 12:40	1

Lab Sample ID: LCS 480-36017/52
 Matrix: Water
 Analysis Batch: 36017

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	25.1		mg/L		100	90 - 110

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 410.4 - COD (Continued)

Lab Sample ID: MB 480-36417/3
 Matrix: Water
 Analysis Batch: 36417

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10	5.0	mg/L			10/20/11 13:30	1

Lab Sample ID: LCS 480-36417/4
 Matrix: Water
 Analysis Batch: 36417

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chemical Oxygen Demand	25.0	25.0		mg/L		100	90 - 110

Method: 420.4 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-36518/1-A
 Matrix: Water
 Analysis Batch: 36641

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 36518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/20/11 22:45	10/21/11 07:26	1

Lab Sample ID: LCS 480-36518/2-A
 Matrix: Water
 Analysis Batch: 36641

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 36518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.104		mg/L		104	90 - 110

Lab Sample ID: 480-10851-2 MS
 Matrix: Ground Water
 Analysis Batch: 36641

Client Sample ID: PZ-9S
 Prep Type: Total/NA
 Prep Batch: 36518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	ND		0.100	0.103		mg/L		103	60 - 143

Lab Sample ID: 480-10851-1 DU
 Matrix: Ground Water
 Analysis Batch: 36641

Client Sample ID: PZ-1M
 Prep Type: Total/NA
 Prep Batch: 36518

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Phenolics, Total Recoverable	ND			ND		mg/L		NC	20

Lab Sample ID: MB 480-36700/1-A
 Matrix: Water
 Analysis Batch: 37121

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 36700

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/21/11 16:45	10/25/11 08:56	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 420.4 - Phenolics, Total Recoverable (Continued)

Lab Sample ID: LCS 480-36700/2-A
Matrix: Water
Analysis Batch: 37121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.106		mg/L		106	90 - 110

Lab Sample ID: MB 480-37210/1-A
Matrix: Water
Analysis Batch: 37391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37210

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		10/25/11 18:13	10/26/11 14:27	1

Lab Sample ID: LCS 480-37210/2-A
Matrix: Water
Analysis Batch: 37391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37210

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenolics, Total Recoverable	0.100	0.0935		mg/L		93	90 - 110

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-34591/3
Matrix: Water
Analysis Batch: 34591

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.010	0.0050	mg/L			10/07/11 02:35	1

Lab Sample ID: LCS 480-34591/4
Matrix: Water
Analysis Batch: 34591

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	0.0500	0.0566		mg/L		113	85 - 115

Lab Sample ID: 480-10851-4 MS
Matrix: Ground Water
Analysis Batch: 34591

Client Sample ID: PZ-9D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		0.0500	0.0536		mg/L		107	85 - 115

Lab Sample ID: 480-10851-8 DU
Matrix: Ground Water
Analysis Batch: 34591

Client Sample ID: PZ-13D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	0.013		0.0125		mg/L		8	15

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: MB 480-34755/3
Matrix: Water
Analysis Batch: 34755

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.010	0.0050	mg/L			10/07/11 23:41	1

Lab Sample ID: LCS 480-34755/4
Matrix: Water
Analysis Batch: 34755

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	0.0500	0.0477		mg/L		95	85 - 115

Lab Sample ID: 480-10934-2 MS
Matrix: Ground Water
Analysis Batch: 34755

Client Sample ID: PZ-6M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexavalent chromium	ND		0.0500	0.0497		mg/L		99	85 - 115

Lab Sample ID: 480-10934-1 DU
Matrix: Ground Water
Analysis Batch: 34755

Client Sample ID: PZ-6D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hexavalent chromium	ND			ND		mg/L		NC	15

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-36014/2-A
Matrix: Water
Analysis Batch: 36141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 15:19	10/19/11 09:28	1

Lab Sample ID: LCS 480-36014/1-A
Matrix: Water
Analysis Batch: 36141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.261		mg/L		104	90 - 110

Lab Sample ID: MB 480-36047/1-A
Matrix: Water
Analysis Batch: 36141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36047

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 19:00	10/19/11 09:44	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: LCS 480-36047/2-A
Matrix: Water
Analysis Batch: 36141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.266		mg/L		106	90 - 110

Lab Sample ID: MB 480-36048/1-A
Matrix: Water
Analysis Batch: 36141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36048

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/18/11 21:30	10/19/11 10:03	1

Lab Sample ID: LCS 480-36048/2-A
Matrix: Water
Analysis Batch: 36141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36048

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.230		mg/L		92	90 - 110

Lab Sample ID: 480-10851-8 MS
Matrix: Ground Water
Analysis Batch: 36141

Client Sample ID: PZ-13D
Prep Type: Total/NA
Prep Batch: 36048

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.108		mg/L		108	85 - 115

Lab Sample ID: MB 480-36153/2-A
Matrix: Water
Analysis Batch: 36141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36153

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		10/19/11 08:26	10/19/11 10:22	1

Lab Sample ID: LCS 480-36153/1-A
Matrix: Water
Analysis Batch: 36141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36153

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.400	0.405		mg/L		101	90 - 110

Lab Sample ID: 480-10934-2 MS
Matrix: Ground Water
Analysis Batch: 36193

Client Sample ID: PZ-6M
Prep Type: Total/NA
Prep Batch: 36153

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		0.100	0.0867		mg/L		87	85 - 115

Lab Sample ID: 480-10934-1 DU
Matrix: Ground Water
Analysis Batch: 36141

Client Sample ID: PZ-6D
Prep Type: Total/NA
Prep Batch: 36153

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	ND		ND		mg/L		NC	15

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 480-34920/4

Matrix: Water

Analysis Batch: 34920

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20	0.073	mg/L			10/11/11 21:18	1
Chloride	ND		0.50	0.28	mg/L			10/11/11 21:18	1
Sulfate	ND		2.0	0.35	mg/L			10/11/11 21:18	1

Lab Sample ID: LCS 480-34920/3

Matrix: Water

Analysis Batch: 34920

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	8.00	7.97		mg/L		100	90 - 110
Chloride	20.0	20.1		mg/L		101	90 - 110
Sulfate	20.0	21.9		mg/L		110	90 - 110

Lab Sample ID: 480-10851-8 MS

Matrix: Ground Water

Analysis Batch: 34920

Client Sample ID: PZ-13D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	ND		10.0	9.89		mg/L		99	75 - 125
Chloride	13		25.0	38.3		mg/L		101	73 - 114
Sulfate	23		25.0	48.2		mg/L		100	75 - 125

Lab Sample ID: MB 480-34930/76

Matrix: Water

Analysis Batch: 34930

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20	0.073	mg/L			10/12/11 09:27	1
Chloride	ND		0.50	0.28	mg/L			10/12/11 09:27	1
Sulfate	ND		2.0	0.35	mg/L			10/12/11 09:27	1

Lab Sample ID: LCS 480-34930/75

Matrix: Water

Analysis Batch: 34930

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromide	8.00	7.87		mg/L		98	90 - 110
Chloride	20.0	20.0		mg/L		100	90 - 110
Sulfate	20.0	21.6		mg/L		108	90 - 110

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 480-34539/3

Matrix: Water

Analysis Batch: 34539

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.0	5.0	Color Units			10/07/11 15:56	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: SM 2120B - Color, Colorimetric (Continued)

Lab Sample ID: LCS 480-34539/4
Matrix: Water
Analysis Batch: 34539

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Color	30.0	30.0		Color Units		100	90 - 110

Lab Sample ID: 480-10851-7 DU
Matrix: Ground Water
Analysis Batch: 34539

Client Sample ID: PZ-13M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Color	5.0		5.00		Color Units		0	20

Lab Sample ID: MB 480-34631/3
Matrix: Water
Analysis Batch: 34631

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.0	5.0	Color Units			10/08/11 17:45	1

Lab Sample ID: LCS 480-34631/4
Matrix: Water
Analysis Batch: 34631

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Color	30.0	30.0		Color Units		100	90 - 110

Lab Sample ID: 480-10934-2 DU
Matrix: Ground Water
Analysis Batch: 34631

Client Sample ID: PZ-6M
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Color	ND		ND		Color Units		NC	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 480-36074/5
Matrix: Water
Analysis Batch: 36074

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		5.0	0.79	mg/L			10/18/11 09:58	1

Lab Sample ID: LCS 480-36074/6
Matrix: Water
Analysis Batch: 36074

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	100	94.0		mg/L		94	90 - 110

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 480-10934-2 MS
 Matrix: Ground Water
 Analysis Batch: 36074

Client Sample ID: PZ-6M
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	140		100	227		mg/L		89	22 - 128

Lab Sample ID: 480-10934-1 DU
 Matrix: Ground Water
 Analysis Batch: 36074

Client Sample ID: PZ-6D
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	160		160		mg/L		1	20

Method: SM 2340C - Hardness, Total

Lab Sample ID: MB 480-36140/51
 Matrix: Water
 Analysis Batch: 36140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		2.0	0.53	mg/L			10/19/11 09:15	1

Lab Sample ID: MB 480-36140/75
 Matrix: Water
 Analysis Batch: 36140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		2.0	0.53	mg/L			10/19/11 09:15	1

Lab Sample ID: LCS 480-36140/52
 Matrix: Water
 Analysis Batch: 36140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	250	264		mg/L		106	90 - 110

Lab Sample ID: LCS 480-36140/76
 Matrix: Water
 Analysis Batch: 36140

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	250	260		mg/L		104	90 - 110

Lab Sample ID: 480-10851-8 DU
 Matrix: Ground Water
 Analysis Batch: 36140

Client Sample ID: PZ-13D
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Hardness as calcium carbonate	36		40.0		mg/L		11	15

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: SM 2340C - Hardness, Total (Continued)

Lab Sample ID: MB 480-36731/3
 Matrix: Water
 Analysis Batch: 36731

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		2.0	0.53	mg/L			10/21/11 14:34	1

Lab Sample ID: LCS 480-36731/4
 Matrix: Water
 Analysis Batch: 36731

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hardness as calcium carbonate	250	240		mg/L		96	90 - 110

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-34999/1
 Matrix: Water
 Analysis Batch: 34999

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	4.0	mg/L			10/11/11 21:14	1

Lab Sample ID: LCS 480-34999/2
 Matrix: Water
 Analysis Batch: 34999

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	468		mg/L		93	85 - 115

Lab Sample ID: MB 480-35000/1
 Matrix: Water
 Analysis Batch: 35000

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	4.0	mg/L			10/11/11 21:55	1

Lab Sample ID: LCS 480-35000/2
 Matrix: Water
 Analysis Batch: 35000

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	495		mg/L		99	85 - 115

Lab Sample ID: MB 480-35174/1
 Matrix: Water
 Analysis Batch: 35174

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10	4.0	mg/L			10/13/11 01:17	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 480-35174/2

Matrix: Water

Analysis Batch: 35174

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	501	501		mg/L		100	85 - 115

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-34514/1 USB

Matrix: Water

Analysis Batch: 34514

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 10:42	1

Lab Sample ID: LCS 480-34514/2

Matrix: Water

Analysis Batch: 34514

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	219		mg/L		111	85 - 115

Lab Sample ID: USB 480-34585/1 USB

Matrix: Water

Analysis Batch: 34585

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 13:41	1

Lab Sample ID: LCS 480-34585/2

Matrix: Water

Analysis Batch: 34585

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	188		mg/L		95	85 - 115

Lab Sample ID: USB 480-34586/1 USB

Matrix: Water

Analysis Batch: 34586

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			10/07/11 19:38	1

Lab Sample ID: LCS 480-34586/2

Matrix: Water

Analysis Batch: 34586

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biochemical Oxygen Demand	198	181		mg/L		91	85 - 115

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method: SM 5310D - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-35280/3

Matrix: Water

Analysis Batch: 35280

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	0.629	J	1.0	0.43	mg/L			10/12/11 18:33	1

Lab Sample ID: LCS 480-35280/4

Matrix: Water

Analysis Batch: 35280

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	30.0	28.2		mg/L		94	90 - 110



QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

GC/MS VOA

Analysis Batch: 36241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	8260B	
480-10851-2	PZ-9S	Total/NA	Ground Water	8260B	
480-10851-3	PZ-9M	Total/NA	Ground Water	8260B	
480-10851-4	PZ-9D	Total/NA	Ground Water	8260B	
480-10851-5	Trip Blank	Total/NA	Water	8260B	
480-10851-6	PZ-13S	Total/NA	Ground Water	8260B	
480-10851-7	PZ-13M	Total/NA	Ground Water	8260B	
480-10851-8	PZ-13D	Total/NA	Ground Water	8260B	
LCS 480-36241/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-36241/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 36287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	8260B	
480-10934-2	PZ-6M	Total/NA	Ground Water	8260B	
480-10934-3	Trip Blank	Total/NA	Water	8260B	
LCS 480-36287/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-36287/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 34682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	7470A	
480-10851-2	PZ-9S	Total/NA	Ground Water	7470A	
480-10851-3	PZ-9M	Total/NA	Ground Water	7470A	
480-10851-4	PZ-9D	Total/NA	Ground Water	7470A	
480-10851-4 MS	PZ-9D	Total/NA	Ground Water	7470A	
480-10851-4 MSD	PZ-9D	Total/NA	Ground Water	7470A	
480-10851-6	PZ-13S	Total/NA	Ground Water	7470A	
480-10851-7	PZ-13M	Total/NA	Ground Water	7470A	
480-10851-8	PZ-13D	Total/NA	Ground Water	7470A	
LCS 480-34682/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-34682/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 34765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	3005A	
480-10934-1 MS	PZ-6D	Total/NA	Ground Water	3005A	
480-10934-1 MSD	PZ-6D	Total/NA	Ground Water	3005A	
480-10934-2	PZ-6M	Total/NA	Ground Water	3005A	
LCS 480-34765/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-34765/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 34769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	3005A	
480-10851-2	PZ-9S	Total/NA	Ground Water	3005A	
480-10851-3	PZ-9M	Total/NA	Ground Water	3005A	
480-10851-3 MS	PZ-9M	Total/NA	Ground Water	3005A	
480-10851-3 MSD	PZ-9M	Total/NA	Ground Water	3005A	
480-10851-4	PZ-9D	Total/NA	Ground Water	3005A	

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Metals (Continued)

Prep Batch: 34769 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-6	PZ-13S	Total/NA	Ground Water	3005A	
480-10851-7	PZ-13M	Total/NA	Ground Water	3005A	
480-10851-8	PZ-13D	Total/NA	Ground Water	3005A	
LCS 480-34769/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-34769/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 34784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	7470A	34682
480-10851-2	PZ-9S	Total/NA	Ground Water	7470A	34682
480-10851-3	PZ-9M	Total/NA	Ground Water	7470A	34682
480-10851-4	PZ-9D	Total/NA	Ground Water	7470A	34682
480-10851-4 MS	PZ-9D	Total/NA	Ground Water	7470A	34682
480-10851-4 MSD	PZ-9D	Total/NA	Ground Water	7470A	34682
480-10851-6	PZ-13S	Total/NA	Ground Water	7470A	34682
480-10851-7	PZ-13M	Total/NA	Ground Water	7470A	34682
480-10851-8	PZ-13D	Total/NA	Ground Water	7470A	34682
LCS 480-34682/2-A	Lab Control Sample	Total/NA	Water	7470A	34682
MB 480-34682/1-A	Method Blank	Total/NA	Water	7470A	34682

Analysis Batch: 35042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	6010B	34765
480-10934-1 MS	PZ-6D	Total/NA	Ground Water	6010B	34765
480-10934-1 MSD	PZ-6D	Total/NA	Ground Water	6010B	34765
480-10934-2	PZ-6M	Total/NA	Ground Water	6010B	34765
LCS 480-34765/2-A	Lab Control Sample	Total/NA	Water	6010B	34765
MB 480-34765/1-A	Method Blank	Total/NA	Water	6010B	34765

Analysis Batch: 35048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	6010B	34769
480-10851-2	PZ-9S	Total/NA	Ground Water	6010B	34769
480-10851-3	PZ-9M	Total/NA	Ground Water	6010B	34769
480-10851-3 MS	PZ-9M	Total/NA	Ground Water	6010B	34769
480-10851-3 MSD	PZ-9M	Total/NA	Ground Water	6010B	34769
480-10851-4	PZ-9D	Total/NA	Ground Water	6010B	34769
480-10851-6	PZ-13S	Total/NA	Ground Water	6010B	34769
480-10851-7	PZ-13M	Total/NA	Ground Water	6010B	34769
480-10851-8	PZ-13D	Total/NA	Ground Water	6010B	34769
LCS 480-34769/2-A	Lab Control Sample	Total/NA	Water	6010B	34769
MB 480-34769/1-A	Method Blank	Total/NA	Water	6010B	34769

Prep Batch: 35065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	7470A	
480-10934-2	PZ-6M	Total/NA	Ground Water	7470A	
LCS 480-35065/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-35065/1-A	Method Blank	Total/NA	Water	7470A	

QC Association Summary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Metals (Continued)

Analysis Batch: 35151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	7470A	35065
480-10934-2	PZ-6M	Total/NA	Ground Water	7470A	35065
LCS 480-35065/2-A	Lab Control Sample	Total/NA	Water	7470A	35065
MB 480-35065/1-A	Method Blank	Total/NA	Water	7470A	35065

General Chemistry

Analysis Batch: 34514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-7	PZ-13M	Total/NA	Ground Water	SM 5210B	
480-10851-8	PZ-13D	Total/NA	Ground Water	SM 5210B	
LCS 480-34514/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-34514/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 34539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	SM 2120B	
480-10851-2	PZ-9S	Total/NA	Ground Water	SM 2120B	
480-10851-3	PZ-9M	Total/NA	Ground Water	SM 2120B	
480-10851-4	PZ-9D	Total/NA	Ground Water	SM 2120B	
480-10851-6	PZ-13S	Total/NA	Ground Water	SM 2120B	
480-10851-7	PZ-13M	Total/NA	Ground Water	SM 2120B	
480-10851-7 DU	PZ-13M	Total/NA	Ground Water	SM 2120B	
480-10851-8	PZ-13D	Total/NA	Ground Water	SM 2120B	
LCS 480-34539/4	Lab Control Sample	Total/NA	Water	SM 2120B	
MB 480-34539/3	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 34585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	SM 5210B	
480-10851-3	PZ-9M	Total/NA	Ground Water	SM 5210B	
480-10851-4	PZ-9D	Total/NA	Ground Water	SM 5210B	
480-10851-6	PZ-13S	Total/NA	Ground Water	SM 5210B	
LCS 480-34585/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-34585/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 34586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-2	PZ-9S	Total/NA	Ground Water	SM 5210B	
480-10934-1	PZ-6D	Total/NA	Ground Water	SM 5210B	
480-10934-2	PZ-6M	Total/NA	Ground Water	SM 5210B	
LCS 480-34586/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-34586/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 34591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	7196A	
480-10851-2	PZ-9S	Total/NA	Ground Water	7196A	
480-10851-3	PZ-9M	Total/NA	Ground Water	7196A	
480-10851-4	PZ-9D	Total/NA	Ground Water	7196A	
480-10851-4 MS	PZ-9D	Total/NA	Ground Water	7196A	
480-10851-6	PZ-13S	Total/NA	Ground Water	7196A	

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

General Chemistry (Continued)

Analysis Batch: 34591 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-7	PZ-13M	Total/NA	Ground Water	7196A	
480-10851-8	PZ-13D	Total/NA	Ground Water	7196A	
480-10851-8 DU	PZ-13D	Total/NA	Ground Water	7196A	
LCS 480-34591/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-34591/3	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 34631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	SM 2120B	
480-10934-2	PZ-6M	Total/NA	Ground Water	SM 2120B	
480-10934-2 DU	PZ-6M	Total/NA	Ground Water	SM 2120B	
LCS 480-34631/4	Lab Control Sample	Total/NA	Water	SM 2120B	
MB 480-34631/3	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 34755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	7196A	
480-10934-1 DU	PZ-6D	Total/NA	Ground Water	7196A	
480-10934-2	PZ-6M	Total/NA	Ground Water	7196A	
480-10934-2 MS	PZ-6M	Total/NA	Ground Water	7196A	
LCS 480-34755/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-34755/3	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 34878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	353.2	
480-10851-2	PZ-9S	Total/NA	Ground Water	353.2	
480-10851-3	PZ-9M	Total/NA	Ground Water	353.2	
480-10851-4	PZ-9D	Total/NA	Ground Water	353.2	
480-10851-6	PZ-13S	Total/NA	Ground Water	353.2	
480-10851-7	PZ-13M	Total/NA	Ground Water	353.2	
480-10851-8	PZ-13D	Total/NA	Ground Water	353.2	
480-10934-1	PZ-6D	Total/NA	Ground Water	353.2	
480-10934-2	PZ-6M	Total/NA	Ground Water	353.2	

Analysis Batch: 34920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	9056	
480-10851-2	PZ-9S	Total/NA	Ground Water	9056	
480-10851-3	PZ-9M	Total/NA	Ground Water	9056	
480-10851-4	PZ-9D	Total/NA	Ground Water	9056	
480-10851-6	PZ-13S	Total/NA	Ground Water	9056	
480-10851-7	PZ-13M	Total/NA	Ground Water	9056	
480-10851-8	PZ-13D	Total/NA	Ground Water	9056	
480-10851-8 MS	PZ-13D	Total/NA	Ground Water	9056	
LCS 480-34920/3	Lab Control Sample	Total/NA	Water	9056	
MB 480-34920/4	Method Blank	Total/NA	Water	9056	

Analysis Batch: 34930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	9056	
480-10934-2	PZ-6M	Total/NA	Ground Water	9056	

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

General Chemistry (Continued)

Analysis Batch: 34930 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-34930/75	Lab Control Sample	Total/NA	Water	9056	
MB 480-34930/76	Method Blank	Total/NA	Water	9056	

Analysis Batch: 34999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	SM 2540C	
480-10851-2	PZ-9S	Total/NA	Ground Water	SM 2540C	
480-10851-3	PZ-9M	Total/NA	Ground Water	SM 2540C	
LCS 480-34999/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-34999/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 35000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-4	PZ-9D	Total/NA	Ground Water	SM 2540C	
480-10851-6	PZ-13S	Total/NA	Ground Water	SM 2540C	
480-10851-7	PZ-13M	Total/NA	Ground Water	SM 2540C	
480-10851-8	PZ-13D	Total/NA	Ground Water	SM 2540C	
LCS 480-35000/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-35000/1	Method Blank	Total/NA	Water	SM 2540C	

Prep Batch: 35131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	Distill/Ammonia	
480-10851-2	PZ-9S	Total/NA	Ground Water	Distill/Ammonia	
LCS 480-35131/1-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
MB 480-35131/2-A	Method Blank	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 35174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	SM 2540C	
480-10934-2	PZ-6M	Total/NA	Ground Water	SM 2540C	
LCS 480-35174/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 480-35174/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 35280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	SM 5310D	
480-10851-2	PZ-9S	Total/NA	Ground Water	SM 5310D	
480-10851-3	PZ-9M	Total/NA	Ground Water	SM 5310D	
480-10851-4	PZ-9D	Total/NA	Ground Water	SM 5310D	
480-10851-6	PZ-13S	Total/NA	Ground Water	SM 5310D	
480-10851-7	PZ-13M	Total/NA	Ground Water	SM 5310D	
480-10851-8	PZ-13D	Total/NA	Ground Water	SM 5310D	
480-10934-1	PZ-6D	Total/NA	Ground Water	SM 5310D	
480-10934-2	PZ-6M	Total/NA	Ground Water	SM 5310D	
LCS 480-35280/4	Lab Control Sample	Total/NA	Water	SM 5310D	
MB 480-35280/3	Method Blank	Total/NA	Water	SM 5310D	

Prep Batch: 35305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-6	PZ-13S	Total/NA	Ground Water	351.2	
480-10851-7	PZ-13M	Total/NA	Ground Water	351.2	

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

General Chemistry (Continued)

Prep Batch: 35305 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-8	PZ-13D	Total/NA	Ground Water	351.2	
LCS 480-35305/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-35305/1-A	Method Blank	Total/NA	Water	351.2	

Analysis Batch: 35414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	350.1	35131
480-10851-2	PZ-9S	Total/NA	Ground Water	350.1	35131
LCS 480-35131/1-A	Lab Control Sample	Total/NA	Water	350.1	35131
MB 480-35131/2-A	Method Blank	Total/NA	Water	350.1	35131

Analysis Batch: 35476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-6	PZ-13S	Total/NA	Ground Water	351.2	35305
480-10851-7	PZ-13M	Total/NA	Ground Water	351.2	35305
480-10851-8	PZ-13D	Total/NA	Ground Water	351.2	35305
LCS 480-35305/2-A	Lab Control Sample	Total/NA	Water	351.2	35305
MB 480-35305/1-A	Method Blank	Total/NA	Water	351.2	35305

Prep Batch: 35608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-3	PZ-9M	Total/NA	Ground Water	Distill/Ammonia	
480-10851-4	PZ-9D	Total/NA	Ground Water	Distill/Ammonia	
480-10851-6	PZ-13S	Total/NA	Ground Water	Distill/Ammonia	
480-10851-7	PZ-13M	Total/NA	Ground Water	Distill/Ammonia	
480-10851-8	PZ-13D	Total/NA	Ground Water	Distill/Ammonia	
480-10934-1	PZ-6D	Total/NA	Ground Water	Distill/Ammonia	
LCS 480-35608/1-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
MB 480-35608/2-A	Method Blank	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 35627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-3	PZ-9M	Total/NA	Ground Water	350.1	35608
480-10851-4	PZ-9D	Total/NA	Ground Water	350.1	35608
480-10851-6	PZ-13S	Total/NA	Ground Water	350.1	35608
480-10851-7	PZ-13M	Total/NA	Ground Water	350.1	35608
480-10851-8	PZ-13D	Total/NA	Ground Water	350.1	35608
480-10934-1	PZ-6D	Total/NA	Ground Water	350.1	35608
LCS 480-35608/1-A	Lab Control Sample	Total/NA	Water	350.1	35608
MB 480-35608/2-A	Method Blank	Total/NA	Water	350.1	35608

Prep Batch: 35780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-2	PZ-6M	Total/NA	Ground Water	Distill/Ammonia	
480-10934-2 DU	PZ-6M	Total/NA	Ground Water	Distill/Ammonia	
LCS 480-35780/1-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
MB 480-35780/2-A	Method Blank	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 35979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-2	PZ-6M	Total/NA	Ground Water	350.1	35780
480-10934-2 DU	PZ-6M	Total/NA	Ground Water	350.1	35780

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

General Chemistry (Continued)

Analysis Batch: 35979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-35780/1-A	Lab Control Sample	Total/NA	Water	350.1	35780
MB 480-35780/2-A	Method Blank	Total/NA	Water	350.1	35780

Prep Batch: 36014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	9012A	
480-10851-2	PZ-9S	Total/NA	Ground Water	9012A	
480-10851-3	PZ-9M	Total/NA	Ground Water	9012A	
480-10851-4	PZ-9D	Total/NA	Ground Water	9012A	
480-10851-6	PZ-13S	Total/NA	Ground Water	9012A	
LCS 480-36014/1-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-36014/2-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 36017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-6	PZ-13S	Total/NA	Ground Water	410.4	
480-10851-7	PZ-13M	Total/NA	Ground Water	410.4	
480-10851-8	PZ-13D	Total/NA	Ground Water	410.4	
LCS 480-36017/52	Lab Control Sample	Total/NA	Water	410.4	
MB 480-36017/51	Method Blank	Total/NA	Water	410.4	

Prep Batch: 36039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	351.2	
480-10851-2	PZ-9S	Total/NA	Ground Water	351.2	
480-10851-3	PZ-9M	Total/NA	Ground Water	351.2	
480-10851-4	PZ-9D	Total/NA	Ground Water	351.2	
LCS 480-36039/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-36039/1-A	Method Blank	Total/NA	Water	351.2	

Prep Batch: 36042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	351.2	
480-10934-2	PZ-6M	Total/NA	Ground Water	351.2	
LCS 480-36042/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-36042/1-A	Method Blank	Total/NA	Water	351.2	

Prep Batch: 36047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-7	PZ-13M	Total/NA	Ground Water	9012A	
LCS 480-36047/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-36047/1-A	Method Blank	Total/NA	Water	9012A	

Prep Batch: 36048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-8	PZ-13D	Total/NA	Ground Water	9012A	
480-10851-8 MS	PZ-13D	Total/NA	Ground Water	9012A	
LCS 480-36048/2-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-36048/1-A	Method Blank	Total/NA	Water	9012A	

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

General Chemistry (Continued)

Analysis Batch: 36074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	SM 2320B	
480-10851-2	PZ-9S	Total/NA	Ground Water	SM 2320B	
480-10851-3	PZ-9M	Total/NA	Ground Water	SM 2320B	
480-10851-4	PZ-9D	Total/NA	Ground Water	SM 2320B	
480-10851-6	PZ-13S	Total/NA	Ground Water	SM 2320B	
480-10851-7	PZ-13M	Total/NA	Ground Water	SM 2320B	
480-10851-8	PZ-13D	Total/NA	Ground Water	SM 2320B	
480-10934-1	PZ-6D	Total/NA	Ground Water	SM 2320B	
480-10934-1 DU	PZ-6D	Total/NA	Ground Water	SM 2320B	
480-10934-2	PZ-6M	Total/NA	Ground Water	SM 2320B	
480-10934-2 MS	PZ-6M	Total/NA	Ground Water	SM 2320B	
LCS 480-36074/6	Lab Control Sample	Total/NA	Water	SM 2320B	
MB 480-36074/5	Method Blank	Total/NA	Water	SM 2320B	

Analysis Batch: 36140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	SM 2340C	
480-10851-2	PZ-9S	Total/NA	Ground Water	SM 2340C	
480-10851-3	PZ-9M	Total/NA	Ground Water	SM 2340C	
480-10851-4	PZ-9D	Total/NA	Ground Water	SM 2340C	
480-10851-6	PZ-13S	Total/NA	Ground Water	SM 2340C	
480-10851-7	PZ-13M	Total/NA	Ground Water	SM 2340C	
480-10851-8	PZ-13D	Total/NA	Ground Water	SM 2340C	
480-10851-8 DU	PZ-13D	Total/NA	Ground Water	SM 2340C	
480-10934-1	PZ-6D	Total/NA	Ground Water	SM 2340C	
LCS 480-36140/52	Lab Control Sample	Total/NA	Water	SM 2340C	
LCS 480-36140/76	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 480-36140/51	Method Blank	Total/NA	Water	SM 2340C	
MB 480-36140/75	Method Blank	Total/NA	Water	SM 2340C	

Analysis Batch: 36141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	9012A	36014
480-10851-2	PZ-9S	Total/NA	Ground Water	9012A	36014
480-10851-3	PZ-9M	Total/NA	Ground Water	9012A	36014
480-10851-4	PZ-9D	Total/NA	Ground Water	9012A	36014
480-10851-6	PZ-13S	Total/NA	Ground Water	9012A	36014
480-10851-7	PZ-13M	Total/NA	Ground Water	9012A	36047
480-10851-8	PZ-13D	Total/NA	Ground Water	9012A	36048
480-10851-8 MS	PZ-13D	Total/NA	Ground Water	9012A	36048
480-10934-1	PZ-6D	Total/NA	Ground Water	9012A	36153
480-10934-1 DU	PZ-6D	Total/NA	Ground Water	9012A	36153
480-10934-2	PZ-6M	Total/NA	Ground Water	9012A	36153
LCS 480-36014/1-A	Lab Control Sample	Total/NA	Water	9012A	36014
LCS 480-36047/2-A	Lab Control Sample	Total/NA	Water	9012A	36047
LCS 480-36048/2-A	Lab Control Sample	Total/NA	Water	9012A	36048
LCS 480-36153/1-A	Lab Control Sample	Total/NA	Water	9012A	36153
MB 480-36014/2-A	Method Blank	Total/NA	Water	9012A	36014
MB 480-36047/1-A	Method Blank	Total/NA	Water	9012A	36047
MB 480-36048/1-A	Method Blank	Total/NA	Water	9012A	36048
MB 480-36153/2-A	Method Blank	Total/NA	Water	9012A	36153

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

General Chemistry (Continued)

Prep Batch: 36153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	9012A	
480-10934-1 DU	PZ-6D	Total/NA	Ground Water	9012A	
480-10934-2	PZ-6M	Total/NA	Ground Water	9012A	
480-10934-2 MS	PZ-6M	Total/NA	Ground Water	9012A	
LCS 480-36153/1-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-36153/2-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 36158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	351.2	36039
480-10851-2	PZ-9S	Total/NA	Ground Water	351.2	36039
480-10851-3	PZ-9M	Total/NA	Ground Water	351.2	36039
480-10851-4	PZ-9D	Total/NA	Ground Water	351.2	36039
480-10934-1	PZ-6D	Total/NA	Ground Water	351.2	36042
480-10934-2	PZ-6M	Total/NA	Ground Water	351.2	36042
LCS 480-36039/2-A	Lab Control Sample	Total/NA	Water	351.2	36039
LCS 480-36042/2-A	Lab Control Sample	Total/NA	Water	351.2	36042
MB 480-36039/1-A	Method Blank	Total/NA	Water	351.2	36039
MB 480-36042/1-A	Method Blank	Total/NA	Water	351.2	36042

Analysis Batch: 36193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-2 MS	PZ-6M	Total/NA	Ground Water	9012A	36153

Analysis Batch: 36417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	410.4	
480-10851-2	PZ-9S	Total/NA	Ground Water	410.4	
480-10851-3	PZ-9M	Total/NA	Ground Water	410.4	
480-10851-4	PZ-9D	Total/NA	Ground Water	410.4	
480-10934-1	PZ-6D	Total/NA	Ground Water	410.4	
480-10934-2	PZ-6M	Total/NA	Ground Water	410.4	
LCS 480-36417/4	Lab Control Sample	Total/NA	Water	410.4	
MB 480-36417/3	Method Blank	Total/NA	Water	410.4	

Prep Batch: 36518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	Distill/Phenol	
480-10851-1 DU	PZ-1M	Total/NA	Ground Water	Distill/Phenol	
480-10851-2	PZ-9S	Total/NA	Ground Water	Distill/Phenol	
480-10851-2 MS	PZ-9S	Total/NA	Ground Water	Distill/Phenol	
480-10851-3	PZ-9M	Total/NA	Ground Water	Distill/Phenol	
480-10851-4	PZ-9D	Total/NA	Ground Water	Distill/Phenol	
480-10851-6	PZ-13S	Total/NA	Ground Water	Distill/Phenol	
480-10851-7	PZ-13M	Total/NA	Ground Water	Distill/Phenol	
LCS 480-36518/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-36518/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 36641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	420.4	36518
480-10851-1 DU	PZ-1M	Total/NA	Ground Water	420.4	36518

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

General Chemistry (Continued)

Analysis Batch: 36641 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-2	PZ-9S	Total/NA	Ground Water	420.4	36518
480-10851-2 MS	PZ-9S	Total/NA	Ground Water	420.4	36518
480-10851-3	PZ-9M	Total/NA	Ground Water	420.4	36518
480-10851-4	PZ-9D	Total/NA	Ground Water	420.4	36518
480-10851-6	PZ-13S	Total/NA	Ground Water	420.4	36518
480-10851-7	PZ-13M	Total/NA	Ground Water	420.4	36518
LCS 480-36518/2-A	Lab Control Sample	Total/NA	Water	420.4	36518
MB 480-36518/1-A	Method Blank	Total/NA	Water	420.4	36518

Prep Batch: 36700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	Distill/Phenol	
480-10934-2	PZ-6M	Total/NA	Ground Water	Distill/Phenol	
LCS 480-36700/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-36700/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 36731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-2	PZ-6M	Total/NA	Ground Water	SM 2340C	
LCS 480-36731/4	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 480-36731/3	Method Blank	Total/NA	Water	SM 2340C	

Analysis Batch: 37121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	420.4	36700
480-10934-2	PZ-6M	Total/NA	Ground Water	420.4	36700
LCS 480-36700/2-A	Lab Control Sample	Total/NA	Water	420.4	36700
MB 480-36700/1-A	Method Blank	Total/NA	Water	420.4	36700

Prep Batch: 37210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-8	PZ-13D	Total/NA	Ground Water	Distill/Phenol	
LCS 480-37210/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-37210/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 37391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-8	PZ-13D	Total/NA	Ground Water	420.4	37210
LCS 480-37210/2-A	Lab Control Sample	Total/NA	Water	420.4	37210
MB 480-37210/1-A	Method Blank	Total/NA	Water	420.4	37210

Field Service / Mobile Lab

Analysis Batch: 35492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10851-1	PZ-1M	Total/NA	Ground Water	Field Sampling	
480-10851-2	PZ-9S	Total/NA	Ground Water	Field Sampling	
480-10851-3	PZ-9M	Total/NA	Ground Water	Field Sampling	
480-10851-4	PZ-9D	Total/NA	Ground Water	Field Sampling	
480-10851-6	PZ-13S	Total/NA	Ground Water	Field Sampling	
480-10851-7	PZ-13M	Total/NA	Ground Water	Field Sampling	
480-10851-8	PZ-13D	Total/NA	Ground Water	Field Sampling	

QC Association Summary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Field Service / Mobile Lab (Continued)

Analysis Batch: 35770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-10934-1	PZ-6D	Total/NA	Ground Water	Field Sampling	
480-10934-2	PZ-6M	Total/NA	Ground Water	Field Sampling	

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Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-1M

Lab Sample ID: 480-10851-1

Date Collected: 10/06/11 11:40

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36241	10/20/11 01:59	LH	TAL BUF
Total/NA	Prep	7470A			34682	10/10/11 11:10	MM	TAL BUF
Total/NA	Analysis	7470A		1	34784	10/10/11 14:16	MM	TAL BUF
Total/NA	Prep	3005A			34769	10/11/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	35048	10/11/11 19:34	LH	TAL BUF
Total/NA	Analysis	SM 2120B		1	34539	10/07/11 16:02	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	34585	10/07/11 13:41	ML	TAL BUF
Total/NA	Analysis	7196A		1	34591	10/07/11 02:57	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 19:23	RL	TAL BUF
Total/NA	Analysis	9056		1	34920	10/11/11 21:28	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	34999	10/11/11 21:44	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/12/11 20:52	KAC	TAL BUF
Total/NA	Prep	Distill/Ammonia			35131	10/12/11 15:50	JR	TAL BUF
Total/NA	Analysis	350.1		1	35414	10/12/11 16:44	JR	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 11:02	JS	TAL BUF
Total/NA	Analysis	SM 2340C		1	36140	10/19/11 09:15	LRM	TAL BUF
Total/NA	Prep	9012A			36014	10/18/11 15:19	JR	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 09:32	JR	TAL BUF
Total/NA	Prep	351.2			36039	10/19/11 01:14	EGN	TAL BUF
Total/NA	Analysis	351.2		1	36158	10/19/11 09:11	PN	TAL BUF
Total/NA	Analysis	410.4		1	36417	10/20/11 13:30	JS	TAL BUF
Total/NA	Prep	Distill/Phenol			36518	10/20/11 23:06	KS	TAL BUF
Total/NA	Analysis	420.4		1	36641	10/21/11 10:23	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35492	10/06/11 11:40	FLD	TAL BUF

Client Sample ID: PZ-9S

Lab Sample ID: 480-10851-2

Date Collected: 10/06/11 13:00

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36241	10/20/11 02:25	LH	TAL BUF
Total/NA	Prep	7470A			34682	10/10/11 11:10	MM	TAL BUF
Total/NA	Analysis	7470A		1	34784	10/10/11 14:18	MM	TAL BUF
Total/NA	Prep	3005A			34769	10/11/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	35048	10/11/11 19:36	LH	TAL BUF
Total/NA	Analysis	SM 2120B		50	34539	10/07/11 16:04	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	34586	10/07/11 19:38	ML	TAL BUF
Total/NA	Analysis	7196A		10	34591	10/07/11 03:13	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 19:25	RL	TAL BUF
Total/NA	Analysis	9056		1	34920	10/11/11 21:38	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	34999	10/11/11 21:45	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/12/11 21:12	KAC	TAL BUF

Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9S

Lab Sample ID: 480-10851-2

Date Collected: 10/06/11 13:00

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Distill/Ammonia			35131	10/12/11 15:50	JR	TAL BUF
Total/NA	Analysis	350.1		1	35414	10/12/11 16:45	JR	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 11:09	JS	TAL BUF
Total/NA	Analysis	SM 2340C		1	36140	10/19/11 09:15	LRM	TAL BUF
Total/NA	Prep	9012A			36014	10/18/11 15:19	JR	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 09:33	JR	TAL BUF
Total/NA	Prep	351.2			36039	10/19/11 01:14	EGN	TAL BUF
Total/NA	Analysis	351.2		1	36158	10/19/11 09:11	PN	TAL BUF
Total/NA	Analysis	410.4		1	36417	10/20/11 13:30	JS	TAL BUF
Total/NA	Prep	Distill/Phenol			36518	10/20/11 23:27	KS	TAL BUF
Total/NA	Analysis	420.4		1	36641	10/21/11 10:23	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35492	10/06/11 13:00	FLD	TAL BUF

Client Sample ID: PZ-9M

Lab Sample ID: 480-10851-3

Date Collected: 10/06/11 12:40

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36241	10/20/11 02:50	LH	TAL BUF
Total/NA	Prep	7470A			34682	10/10/11 11:10	MM	TAL BUF
Total/NA	Analysis	7470A		1	34784	10/10/11 14:20	MM	TAL BUF
Total/NA	Prep	3005A			34769	10/11/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	35048	10/11/11 19:38	LH	TAL BUF
Total/NA	Analysis	SM 2120B		1	34539	10/07/11 16:07	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	34585	10/07/11 13:41	ML	TAL BUF
Total/NA	Analysis	7196A		1	34591	10/07/11 02:48	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 19:27	RL	TAL BUF
Total/NA	Analysis	9056		1	34920	10/11/11 21:48	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	34999	10/11/11 21:47	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/12/11 21:32	KAC	TAL BUF
Total/NA	Prep	Distill/Ammonia			35608	10/15/11 10:36	KS	TAL BUF
Total/NA	Analysis	350.1		1	35627	10/15/11 14:37	KS	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 11:16	JS	TAL BUF
Total/NA	Analysis	SM 2340C		1	36140	10/19/11 09:15	LRM	TAL BUF
Total/NA	Prep	9012A			36014	10/18/11 15:19	JR	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 09:34	JR	TAL BUF
Total/NA	Prep	351.2			36039	10/19/11 01:14	EGN	TAL BUF
Total/NA	Analysis	351.2		1	36158	10/19/11 09:11	PN	TAL BUF
Total/NA	Analysis	410.4		1	36417	10/20/11 13:30	JS	TAL BUF
Total/NA	Prep	Distill/Phenol			36518	10/20/11 23:48	KS	TAL BUF
Total/NA	Analysis	420.4		1	36641	10/21/11 10:23	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35492	10/06/11 12:40	FLD	TAL BUF

Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-9D

Lab Sample ID: 480-10851-4

Date Collected: 10/06/11 12:25

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36241	10/20/11 03:14	LH	TAL BUF
Total/NA	Prep	7470A			34682	10/10/11 11:10	MM	TAL BUF
Total/NA	Analysis	7470A		1	34784	10/10/11 14:22	MM	TAL BUF
Total/NA	Prep	3005A			34769	10/11/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	35048	10/11/11 19:53	LH	TAL BUF
Total/NA	Analysis	SM 2120B		1	34539	10/07/11 16:10	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	34585	10/07/11 13:41	ML	TAL BUF
Total/NA	Analysis	7196A		1	34591	10/07/11 02:51	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 19:30	RL	TAL BUF
Total/NA	Analysis	9056		1	34920	10/11/11 21:58	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	35000	10/11/11 21:57	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/12/11 22:32	KAC	TAL BUF
Total/NA	Prep	Distill/Ammonia			35608	10/15/11 10:36	KS	TAL BUF
Total/NA	Analysis	350.1		1	35627	10/15/11 14:39	KS	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 11:23	JS	TAL BUF
Total/NA	Analysis	SM 2340C		1	36140	10/19/11 09:15	LRM	TAL BUF
Total/NA	Prep	9012A			36014	10/18/11 15:19	JR	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 09:35	JR	TAL BUF
Total/NA	Prep	351.2			36039	10/19/11 01:14	EGN	TAL BUF
Total/NA	Analysis	351.2		1	36158	10/19/11 09:11	PN	TAL BUF
Total/NA	Analysis	410.4		1	36417	10/20/11 13:30	JS	TAL BUF
Total/NA	Prep	Distill/Phenol			36518	10/20/11 23:58	KS	TAL BUF
Total/NA	Analysis	420.4		1	36641	10/21/11 10:23	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35492	10/06/11 12:25	FLD	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-10851-5

Date Collected: 10/06/11 08:00

Matrix: Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36241	10/20/11 03:39	LH	TAL BUF

Client Sample ID: PZ-13S

Lab Sample ID: 480-10851-6

Date Collected: 10/06/11 14:50

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36241	10/20/11 04:04	LH	TAL BUF
Total/NA	Prep	7470A			34682	10/10/11 11:10	MM	TAL BUF
Total/NA	Analysis	7470A		1	34784	10/10/11 14:29	MM	TAL BUF
Total/NA	Prep	3005A			34769	10/11/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	35048	10/11/11 19:55	LH	TAL BUF
Total/NA	Analysis	SM 2120B		1	34539	10/07/11 16:13	KS	TAL BUF

Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13S

Lab Sample ID: 480-10851-6

Date Collected: 10/06/11 14:50

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 5210B		1	34585	10/07/11 13:41	ML	TAL BUF
Total/NA	Analysis	7196A		1	34591	10/07/11 02:46	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 19:32	RL	TAL BUF
Total/NA	Analysis	9056		1	34920	10/11/11 22:08	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	35000	10/11/11 21:58	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/12/11 22:52	KAC	TAL BUF
Total/NA	Prep	351.2			35305	10/13/11 10:00	JS	TAL BUF
Total/NA	Analysis	351.2		1	35476	10/14/11 08:20	PN	TAL BUF
Total/NA	Prep	Distill/Ammonia			35608	10/15/11 10:36	KS	TAL BUF
Total/NA	Analysis	350.1		1	35627	10/15/11 14:40	KS	TAL BUF
Total/NA	Analysis	410.4		1	36017	10/18/11 12:40	JS	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 11:31	JS	TAL BUF
Total/NA	Analysis	SM 2340C		1	36140	10/19/11 09:15	LRM	TAL BUF
Total/NA	Prep	9012A			36014	10/18/11 15:19	JR	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 09:35	JR	TAL BUF
Total/NA	Prep	Distill/Phenol			36518	10/21/11 00:09	KS	TAL BUF
Total/NA	Analysis	420.4		1	36641	10/21/11 10:23	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35492	10/06/11 14:50	FLD	TAL BUF

Client Sample ID: PZ-13M

Lab Sample ID: 480-10851-7

Date Collected: 10/06/11 15:45

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36241	10/20/11 04:30	LH	TAL BUF
Total/NA	Prep	7470A			34682	10/10/11 11:10	MM	TAL BUF
Total/NA	Analysis	7470A		1	34784	10/10/11 14:33	MM	TAL BUF
Total/NA	Prep	3005A			34769	10/11/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	35048	10/11/11 19:57	LH	TAL BUF
Total/NA	Analysis	SM 5210B		1	34514	10/07/11 10:42	AP	TAL BUF
Total/NA	Analysis	SM 2120B		1	34539	10/07/11 16:16	KS	TAL BUF
Total/NA	Analysis	7196A		1	34591	10/07/11 02:59	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 19:34	RL	TAL BUF
Total/NA	Analysis	9056		1	34920	10/11/11 22:18	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	35000	10/11/11 21:59	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/12/11 23:12	KAC	TAL BUF
Total/NA	Prep	351.2			35305	10/13/11 10:00	JS	TAL BUF
Total/NA	Analysis	351.2		1	35476	10/14/11 08:20	PN	TAL BUF
Total/NA	Prep	Distill/Ammonia			35608	10/15/11 10:36	KS	TAL BUF
Total/NA	Analysis	350.1		1	35627	10/15/11 14:41	KS	TAL BUF
Total/NA	Analysis	410.4		1	36017	10/18/11 12:40	JS	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 11:38	JS	TAL BUF
Total/NA	Analysis	SM 2340C		1	36140	10/19/11 09:15	LRM	TAL BUF

Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-13M

Lab Sample ID: 480-10851-7

Date Collected: 10/06/11 15:45

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			36047	10/18/11 19:00	ML	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 10:02	JR	TAL BUF
Total/NA	Prep	Distill/Phenol			36518	10/21/11 00:19	KS	TAL BUF
Total/NA	Analysis	420.4		1	36641	10/21/11 10:27	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35492	10/06/11 15:45	FLD	TAL BUF

Client Sample ID: PZ-13D

Lab Sample ID: 480-10851-8

Date Collected: 10/06/11 14:37

Matrix: Ground Water

Date Received: 10/06/11 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36241	10/20/11 04:55	LH	TAL BUF
Total/NA	Prep	7470A			34682	10/10/11 11:10	MM	TAL BUF
Total/NA	Analysis	7470A		1	34784	10/10/11 14:35	MM	TAL BUF
Total/NA	Prep	3005A			34769	10/11/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	35048	10/11/11 19:59	LH	TAL BUF
Total/NA	Analysis	SM 5210B		1	34514	10/07/11 10:42	AP	TAL BUF
Total/NA	Analysis	SM 2120B		1	34539	10/07/11 16:21	KS	TAL BUF
Total/NA	Analysis	7196A		1	34591	10/07/11 02:40	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 19:36	RL	TAL BUF
Total/NA	Analysis	9056		1	34920	10/11/11 22:29	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	35000	10/11/11 22:00	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/12/11 23:32	KAC	TAL BUF
Total/NA	Prep	351.2			35305	10/13/11 10:00	JS	TAL BUF
Total/NA	Analysis	351.2		1	35476	10/14/11 08:20	PN	TAL BUF
Total/NA	Prep	Distill/Ammonia			35608	10/15/11 10:36	KS	TAL BUF
Total/NA	Analysis	350.1		1	35627	10/15/11 14:42	KS	TAL BUF
Total/NA	Analysis	410.4		1	36017	10/18/11 12:40	JS	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 12:01	JS	TAL BUF
Total/NA	Analysis	SM 2340C		1	36140	10/19/11 09:15	LRM	TAL BUF
Total/NA	Prep	9012A			36048	10/18/11 21:30	ML	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 10:12	JR	TAL BUF
Total/NA	Prep	Distill/Phenol			37210	10/25/11 18:13	AP	TAL BUF
Total/NA	Analysis	420.4		1	37391	10/26/11 15:52	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35492	10/06/11 14:37	FLD	TAL BUF

Client Sample ID: PZ-6D

Lab Sample ID: 480-10934-1

Date Collected: 10/07/11 12:15

Matrix: Ground Water

Date Received: 10/07/11 16:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36287	10/20/11 12:38	ND	TAL BUF
Total/NA	Prep	3005A			34765	10/11/11 08:30	JM	TAL BUF

Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6D

Lab Sample ID: 480-10934-1

Date Collected: 10/07/11 12:15

Matrix: Ground Water

Date Received: 10/07/11 16:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	35042	10/11/11 15:16	LH	TAL BUF
Total/NA	Prep	7470A			35065	10/12/11 11:35	MM	TAL BUF
Total/NA	Analysis	7470A		1	35151	10/12/11 14:42	MM	TAL BUF
Total/NA	Analysis	SM 5210B		1	34586	10/07/11 19:38	ML	TAL BUF
Total/NA	Analysis	SM 2120B		1	34631	10/08/11 17:45	JR	TAL BUF
Total/NA	Analysis	7196A		1	34755	10/07/11 23:50	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 21:43	RL	TAL BUF
Total/NA	Analysis	9056		1	34930	10/12/11 11:59	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	35174	10/13/11 01:20	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/12/11 23:52	KAC	TAL BUF
Total/NA	Prep	Distill/Ammonia			35608	10/15/11 10:36	KS	TAL BUF
Total/NA	Analysis	350.1		1	35627	10/15/11 14:43	KS	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 12:58	JS	TAL BUF
Total/NA	Analysis	SM 2340C		1	36140	10/19/11 09:15	LRM	TAL BUF
Total/NA	Prep	9012A			36153	10/19/11 08:26	JR	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 10:36	JR	TAL BUF
Total/NA	Prep	351.2			36042	10/19/11 01:53	EGN	TAL BUF
Total/NA	Analysis	351.2		1	36158	10/19/11 09:50	PN	TAL BUF
Total/NA	Analysis	410.4		1	36417	10/20/11 13:30	JS	TAL BUF
Total/NA	Prep	Distill/Phenol			36700	10/21/11 16:45	AP	TAL BUF
Total/NA	Analysis	420.4		1	37121	10/25/11 10:03	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35770	10/07/11 12:15	FLD	TAL BUF

Client Sample ID: PZ-6M

Lab Sample ID: 480-10934-2

Date Collected: 10/07/11 13:10

Matrix: Ground Water

Date Received: 10/07/11 16:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36287	10/20/11 13:00	ND	TAL BUF
Total/NA	Prep	3005A			34765	10/11/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	35042	10/11/11 15:31	LH	TAL BUF
Total/NA	Prep	7470A			35065	10/12/11 11:35	MM	TAL BUF
Total/NA	Analysis	7470A		1	35151	10/12/11 14:44	MM	TAL BUF
Total/NA	Analysis	SM 5210B		1	34586	10/07/11 19:38	ML	TAL BUF
Total/NA	Analysis	SM 2120B		1	34631	10/08/11 17:45	JR	TAL BUF
Total/NA	Analysis	7196A		1	34755	10/07/11 23:59	ML	TAL BUF
Total/NA	Analysis	353.2		1	34878	10/07/11 21:45	RL	TAL BUF
Total/NA	Analysis	9056		1	34930	10/12/11 12:09	RMM	TAL BUF
Total/NA	Analysis	SM 2540C		1	35174	10/13/11 01:21	KS	TAL BUF
Total/NA	Analysis	SM 5310D		1	35280	10/13/11 00:11	KAC	TAL BUF
Total/NA	Prep	Distill/Ammonia			35780	10/17/11 11:02	KS	TAL BUF
Total/NA	Analysis	350.1		1	35979	10/18/11 11:39	KS	TAL BUF
Total/NA	Analysis	SM 2320B		1	36074	10/18/11 13:13	JS	TAL BUF

Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Client Sample ID: PZ-6M

Lab Sample ID: 480-10934-2

Date Collected: 10/07/11 13:10

Matrix: Ground Water

Date Received: 10/07/11 16:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	9012A			36153	10/19/11 08:26	JR	TAL BUF
Total/NA	Analysis	9012A		1	36141	10/19/11 10:37	JR	TAL BUF
Total/NA	Prep	351.2			36042	10/19/11 01:53	EGN	TAL BUF
Total/NA	Analysis	351.2		1	36158	10/19/11 09:50	PN	TAL BUF
Total/NA	Analysis	410.4		1	36417	10/20/11 13:30	JS	TAL BUF
Total/NA	Analysis	SM 2340C		10	36731	10/21/11 16:43	JS	TAL BUF
Total/NA	Prep	Distill/Phenol			36700	10/21/11 16:45	AP	TAL BUF
Total/NA	Analysis	420.4		1	37121	10/25/11 10:03	PN	TAL BUF
Total/NA	Analysis	Field Sampling		1	35770	10/07/11 13:10	FLD	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-10934-3

Date Collected: 10/07/11 00:00

Matrix: Water

Date Received: 10/07/11 16:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	36287	10/20/11 13:22	ND	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
410.4	COD	MCAWW	TAL BUF
420.4	Phenolics, Total Recoverable	MCAWW	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL BUF
9012A	Cyanide, Total and/or Amenable	SW846	TAL BUF
9056	Anions, Ion Chromatography	SW846	TAL BUF
SM 2120B	Color, Colorimetric	SM	TAL BUF
SM 2320B	Alkalinity	SM	TAL BUF
SM 2340C	Hardness, Total	SM	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF
SM 5310D	Organic Carbon, Total (TOC)	SM	TAL BUF
Field Sampling	Field Sampling	EPA	TAL BUF

Protocol References:

- EPA = US Environmental Protection Agency
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SM = "Standard Methods For The Examination Of Water And Wastewater",
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Site Investigation

TestAmerica Job ID: 480-10851-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-10851-1	PZ-1M	Ground Water	10/06/11 11:40	10/06/11 19:30
480-10851-2	PZ-9S	Ground Water	10/06/11 13:00	10/06/11 19:30
480-10851-3	PZ-9M	Ground Water	10/06/11 12:40	10/06/11 19:30
480-10851-4	PZ-9D	Ground Water	10/06/11 12:25	10/06/11 19:30
480-10851-5	Trip Blank	Water	10/06/11 08:00	10/06/11 19:30
480-10851-6	PZ-13S	Ground Water	10/06/11 14:50	10/06/11 19:30
480-10851-7	PZ-13M	Ground Water	10/06/11 15:45	10/06/11 19:30
480-10851-8	PZ-13D	Ground Water	10/06/11 14:37	10/06/11 19:30
480-10934-1	PZ-6D	Ground Water	10/07/11 12:15	10/07/11 16:39
480-10934-2	PZ-6M	Ground Water	10/07/11 13:10	10/07/11 16:39
480-10934-3	Trip Blank	Water	10/07/11 00:00	10/07/11 16:39

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Client Information	Sampler: John Stadler, Chris Krystofik	Lab PM: VanDette, Ryan	Camer Tracking No(s):
Client Contact: Dr. Bethany Acquisto	Phone:	E-Mail: ryan.vandette@testamericainc.com	COC No: 480-17486-4262.1
Company: Daigler Engineering, PC	Due Date Requested:		Page: Page 1 of 3
Address: 1711 Grand Island Blvd	TAT Requested (days):		Job #:
City: Grand Island	PO #: Purchase Order Requested		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - AmchlOr S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)
State, Zip: NY, 14072	WO #:		
Phone: 716-773-6872(Tel)	Project #: 48004897		
Email: bethany@jadenvgr.com	SSOW#:		
Project Name: Carroll Landfill Site Investigation/ Event Desc: Carroll Landfill Ba	Site: New York		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)	Analysis Requested														Total Number of containers	Special Instructions/Note:	
					Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9056_28D - (MOD) Local Method	350.1, 351.2, 410.4	6010B, 7470A	2340C - Hardness as calcium carbonate	420.4 - Phenolics, Total Recoverable	8260B - NY Part 360 Baseline Volatiles	SM5310D - Total Organic Carbon	5210B - Biochemical Oxygen Demand	2540C_Calcd - Total Dissolved Solids	FieldSampling - (MOD) Local Method	9012A - Cyanide, Total	2120B, 353.2, 353.2_Nitrite, Nitrate_Calc			7196A - Hexavalent chromium, 2320B - Alkalinity, Total
			Preservation Code:		X	X	N	S	D	D	S	A	A	N	N	N	B	N	N		
PZ-1D	10/7/11	-----	-----	-----			D	I	D		not	.	S	A	M	P	L	E			Kink In Well, Not Sampled
PZ-6S	10/7/11	---	---	---			D	I	D		wet		S	A	M	P	L	E			Insufficient Recharge
PZ-6M	10/7/11	1310	G	Water			1	1	1	1	1	3	2	1	1	-	1	2	2	17	
PZ-6D	10/7/11	1215	G	Water			1	1	1	1	1	3	2	1	1	-	1	2	2	17	
TRIP BLANK	10/7/11	0800	G	Water																2	

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>[Signature]</i>	Date/Time: 10-7-11 / 1639	Company: TAL	Received by: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
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Login Sample Receipt Checklist

Client: Sealand Contractors Corp

Job Number: 480-10851-1

Login Number: 10851

List Number: 1

Creator: Janish, Carl

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	tal
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



Login Sample Receipt Checklist

Client: Sealand Contractors Corp

Job Number: 480-10851-1

Login Number: 10934

List Number: 1

Creator: May, Joel 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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



ANALYTICAL REPORT

Job Number: 480-34951-1

SDG Number: 34951

Job Description: Carroll LDF Site Investigation -Baseline

Sampling Event: Carroll Landfill Baseline

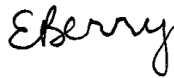
For:

Sealand Contractors Corp

85 High Tech Drive

Rush, NY 14543

Attention: Deborah Kraft



Approved for release.
Eve E Berry
Project Administrator
4/15/2013 10:52 AM

Designee for
Ryan VanDette
Project Manager I
ryan.vandette@testamericainc.com
04/15/2013

cc: Dr. Bethany Acquisto

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report.

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Job Narrative
480-34951-1

Comments

No additional comments.

Receipt

The samples were received on 3/25/2013 5:45 PM, 3/26/2013 5:30 PM and 3/27/2013 6:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 1.7° C, 1.9° C, 2.3° C, 2.4° C, 2.5° C, 2.7° C and 3.1° C.

GC/MS VOA

No analytical or quality issues were noted.

HPLC

Method(s) 9056: The method blank for batch 109300 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 9056: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 109661 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 9056: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 109999 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The recovery of Post Spike, (480-34997-19 PDS), in batch 480-109404 exhibited a result outside the quality control limits for total calcium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

No other analytical or quality issues were noted.

General Chemistry

Method(s) SM 2120B: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-6M (480-34951-4), PZ-9D (480-34951-5), PZ-9M (480-34951-6). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 2120B: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-13D (480-35108-18). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 2320B: The method blank for batch 109590 contained alkalinity above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. DRAIN TILE 2 (480-34997-19), PZ-10M (480-34997-18), PZ-20M (480-34997-17), PZ-6D (480-34951-3), PZ-6M (480-34951-4), PZ-9D (480-34951-5), PZ-9M (480-34951-6)

Method(s) SM 2320B: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-13M (480-35108-19). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 2320B: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-13D (480-35108-18). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 2340C: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-13D (480-35108-18). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 2340C: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-6M (480-34951-4). Reanalysis was performed, and the result(s) confirmed.

Method(s) SM 2540C: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-13M (480-35108-19). Reanalysis was performed, and the result(s) confirmed.

Method(s) 351.2: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-1M (480-34951-2). Reanalysis was performed, and the result(s) confirmed.

Method(s) 353.2: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-6D (480-34951-3), PZ-9D (480-34951-5). Reanalysis was performed, and the result(s) confirmed.

Method(s) 353.2: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-13D (480-35108-18). Reanalysis was performed, and the result(s) confirmed.

Method(s) 410.4: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-9M

(480-34951-6). Reanalysis was performed, and the result(s) confirmed.

Method(s) 410.4: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-9D (480-34951-5). Reanalysis was performed, and the result(s) confirmed.

Method(s) 420.4, 9066: The method blank for batch 110807 contained total recoverable phenolics above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. PZ-13M (480-35108-19)

Method(s) SM 5210B: The dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results are reported. (USB 480-109132/1)

Method(s) SM 5210B: For batch 109748, the dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L. The associated sample results are reported. (USB 480-109748/1)

Method(s) 7196A: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-9M (480-34951-6). Reanalysis was performed, and the result(s) confirmed.

Method(s) 7196A: The matrix spike (MS) recoveries for batch 109561 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-35108-25 MS)

Method(s) 7196A: The results reported for the following sample(s) do not concur with results previously reported for this site: PZ-13D (480-35108-18). Reanalysis was performed, and the result(s) confirmed.

Method(s) 9012A: The matrix spike (MS) recoveries for batch 110026 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-34997-17 MS)

Method(s) SM 5310D: The continuing calibration verification (CCV) for TOC associated with batch 110596 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-34951-1

SDG No.: 34951

Instrument ID: HP5973Q Analysis Batch Number: 107483

Lab Sample ID: IC 480-107483/3 Client Sample ID: _____

Date Analyzed: 03/14/13 21:58 Lab File ID: Q6114.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Iodomethane	2.80	Poor chromatography	cwiklinc	03/15/13 01:04

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-34951-1

SDG No.: 34951

Instrument ID: IC-2 Analysis Batch Number: 109661

Lab Sample ID: 480-34997-19 MS Client Sample ID: DRAIN TILE 2 MS

Date Analyzed: 03/28/13 23:17 Lab File ID: 032813-2_083.d GC Column: _____ ID: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromide	3.95	Baseline Smoothing	clarkk	03/29/13 10:25

Lab Sample ID: 480-34997-19 MSD Client Sample ID: DRAIN TILE 2 MSD

Date Analyzed: 03/28/13 23:28 Lab File ID: 032813-2_084.d GC Column: _____ ID: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromide	3.94	Baseline Smoothing	clarkk	03/29/13 10:26

GENERAL CHEMISTRY MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-34951-1

SDG No.: 34951

Instrument ID: Metrohm-1 Analysis Batch Number: 109071

Lab Sample ID: STD0 480-109071/1 IC Client Sample ID: _____

Date Analyzed: 03/25/13 16:40 Lab File ID: 480-0019953-001_BUF2335_A GC Column: _____ ID: _____

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluoride	2.52	Column bleed	cudneyk	03/26/13 09:33
Chloride	3.08	Column bleed	cudneyk	03/26/13 09:33
Bromide	4.08	Column bleed	cudneyk	03/26/13 09:33
Sulfate	8.93	Column bleed	cudneyk	03/26/13 09:33

SAMPLE SUMMARY

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-34951-1	PZ-3M	Ground Water	03/25/2013 1152	03/25/2013 1745
480-34951-2	PZ-1M	Ground Water	03/25/2013 1155	03/25/2013 1745
480-34951-3	PZ-6D	Ground Water	03/25/2013 1342	03/25/2013 1745
480-34951-4	PZ-6M	Ground Water	03/25/2013 1303	03/25/2013 1745
480-34951-5	PZ-9D	Ground Water	03/25/2013 1455	03/25/2013 1745
480-34951-6	PZ-9M	Ground Water	03/25/2013 1405	03/25/2013 1745
480-34951-7TB	Trip Blank	Water	03/25/2013 0830	03/25/2013 1745
480-34997-17	PZ-20M	Ground Water	03/26/2013 1238	03/26/2013 1913
480-34997-18	PZ-10M	Water	03/26/2013 1340	03/26/2013 1913
480-34997-19	DRAIN TILE 2	Water	03/26/2013 1450	03/26/2013 1913
480-34997-19MS	DRAIN TILE 2	Water	03/26/2013 1450	03/26/2013 1913
480-34997-19MSD	DRAIN TILE 2	Water	03/26/2013 1450	03/26/2013 1913
480-34997-20TB	Trip Blank	Water	03/26/2013 0830	03/26/2013 1913
480-35108-17	PZ-17D	Ground Water	03/27/2013 1140	03/27/2013 1828
480-35108-18	PZ-13D	Ground Water	03/27/2013 1225	03/27/2013 1828
480-35108-19	PZ-13M	Ground Water	03/27/2013 1210	03/27/2013 1828
480-35108-20	PZ-19D	Ground Water	03/27/2013 1245	03/27/2013 1828
480-35108-21	PZ-16D	Ground Water	03/27/2013 1420	03/27/2013 1828
480-35108-22	PZ-18M	Ground Water	03/27/2013 1418	03/27/2013 1828
480-35108-23	PZ-14M	Ground Water	03/27/2013 1220	03/27/2013 1828
480-35108-24FD	Field Duplicate	Water	03/27/2013 1418	03/27/2013 1828
480-35108-25EB	Equipment Blank	Water	03/27/2013 1200	03/27/2013 1828
480-35108-26TB	Trip Blank	Water	03/27/2013 0800	03/27/2013 1828

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34951-1	PZ-3M					
Aluminum		0.22		0.20	mg/L	6010B
Barium		0.047		0.0020	mg/L	6010B
Boron		0.026		0.020	mg/L	6010B
Calcium		30		0.50	mg/L	6010B
Chromium		0.0013	J	0.0040	mg/L	6010B
Iron		0.54		0.050	mg/L	6010B
Magnesium		11		0.20	mg/L	6010B
Manganese		0.84		0.0030	mg/L	6010B
Potassium		1.8		0.50	mg/L	6010B
Sodium		3.7		1.0	mg/L	6010B
Zinc		0.0018	J	0.010	mg/L	6010B
Field EH/ORP		177			millivolts	Field Sampling
Field pH		7.49			SU	Field Sampling
Field Temperature		7.3			Degrees C	Field Sampling
Field Turbidity		356			NTU	Field Sampling
Field Conductivity		238			umhos/cm	Field Sampling
Well Depth		45.41			ft	Field Sampling
Depth to Water from Top of Casing		15.38			ft	Field Sampling
Bromide		0.086	J	0.20	mg/L	9056
Chloride		13		0.50	mg/L	9056
Sulfate		9.2		2.0	mg/L	9056
Color		10		5.0	Color Units	SM 2120B
Alkalinity, Total		110		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		120		4.0	mg/L	SM 2340C
Total Dissolved Solids		160		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34951-2	PZ-1M					
Aluminum		0.27		0.20	mg/L	6010B
Barium		0.026		0.0020	mg/L	6010B
Boron		0.018	J	0.020	mg/L	6010B
Cadmium		0.00077	J	0.0010	mg/L	6010B
Calcium		34		0.50	mg/L	6010B
Chromium		0.0016	J	0.0040	mg/L	6010B
Iron		0.63		0.050	mg/L	6010B
Magnesium		10		0.20	mg/L	6010B
Manganese		0.55		0.0030	mg/L	6010B
Potassium		2.0		0.50	mg/L	6010B
Sodium		2.9		1.0	mg/L	6010B
Zinc		0.013		0.010	mg/L	6010B
Field EH/ORP		277			millivolts	Field Sampling
Field pH		6.39			SU	Field Sampling
Field Temperature		6.1			Degrees C	Field Sampling
Field Turbidity		1.06			NTU	Field Sampling
Field Conductivity		372			umhos/cm	Field Sampling
Well Depth		90.47			ft	Field Sampling
Depth to Water from Top of Casing		63.18			ft	Field Sampling
Total Kjeldahl Nitrogen		0.18	J	0.20	mg/L	351.2
Nitrate as N		0.22		0.050	mg/L	353.2
Bromide		0.093	J	0.20	mg/L	9056
Chloride		4.8		0.50	mg/L	9056
Sulfate		11		2.0	mg/L	9056
Alkalinity, Total		120		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		120		4.0	mg/L	SM 2340C
Total Dissolved Solids		150		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34951-3	PZ-6D					
Aluminum		0.11	J	0.20	mg/L	6010B
Barium		0.15		0.0020	mg/L	6010B
Boron		0.10		0.020	mg/L	6010B
Calcium		33		0.50	mg/L	6010B
Chromium		0.0013	J	0.0040	mg/L	6010B
Iron		0.35		0.050	mg/L	6010B
Magnesium		9.6		0.20	mg/L	6010B
Manganese		0.057		0.0030	mg/L	6010B
Potassium		2.8		0.50	mg/L	6010B
Sodium		18		1.0	mg/L	6010B
Zinc		0.0025	J	0.010	mg/L	6010B
Field EH/ORP		247			millivolts	Field Sampling
Field pH		7.92			SU	Field Sampling
Field Temperature		7.5			Degrees C	Field Sampling
Field Turbidity		2.92			NTU	Field Sampling
Field Conductivity		281			umhos/cm	Field Sampling
Well Depth		68.40			ft	Field Sampling
Depth to Water from Top of Casing		14.41			ft	Field Sampling
Nitrate as N		0.16		0.050	mg/L	353.2
Bromide		0.085	J	0.20	mg/L	9056
Chloride		3.1		0.50	mg/L	9056
Sulfate		9.9		2.0	mg/L	9056
Alkalinity, Total		160	B	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		120		4.0	mg/L	SM 2340C
Total Dissolved Solids		180		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34951-4	PZ-6M					
Aluminum		0.19	J	0.20	mg/L	6010B
Barium		0.16		0.0020	mg/L	6010B
Boron		0.10		0.020	mg/L	6010B
Calcium		35		0.50	mg/L	6010B
Iron		1.2		0.050	mg/L	6010B
Lead		0.0032	J	0.0050	mg/L	6010B
Magnesium		10		0.20	mg/L	6010B
Manganese		0.13		0.0030	mg/L	6010B
Potassium		2.2		0.50	mg/L	6010B
Sodium		15		1.0	mg/L	6010B
Field EH/ORP		111			millivolts	Field Sampling
Field pH		7.48			SU	Field Sampling
Field Temperature		8.0			Degrees C	Field Sampling
Field Turbidity		10.82			NTU	Field Sampling
Field Conductivity		279			umhos/cm	Field Sampling
Well Depth		33.01			ft	Field Sampling
Depth to Water from Top of Casing		15.08			ft	Field Sampling
Ammonia		0.11	J	0.20	mg/L	350.1
Nitrate as N		0.039	J	0.050	mg/L	353.2
Chloride		3.5		0.50	mg/L	9056
Sulfate		9.6		2.0	mg/L	9056
Color		15		5.0	Color Units	SM 2120B
Alkalinity, Total		150	B	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		130		10	mg/L	SM 2340C
Total Dissolved Solids		180		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34951-5	PZ-9D					
Aluminum		0.086	J	0.20	mg/L	6010B
Barium		0.12		0.0020	mg/L	6010B
Boron		0.034		0.020	mg/L	6010B
Calcium		26		0.50	mg/L	6010B
Iron		0.20		0.050	mg/L	6010B
Magnesium		8.8		0.20	mg/L	6010B
Manganese		0.12		0.0030	mg/L	6010B
Potassium		1.7		0.50	mg/L	6010B
Sodium		5.4		1.0	mg/L	6010B
Zinc		0.0071	J	0.010	mg/L	6010B
Field EH/ORP		243			millivolts	Field Sampling
Field pH		7.01			SU	Field Sampling
Field Temperature		6.7			Degrees C	Field Sampling
Field Turbidity		0.97			NTU	Field Sampling
Field Conductivity		212			umhos/cm	Field Sampling
Well Depth		118.55			ft	Field Sampling
Depth to Water from Top of Casing		40.95			ft	Field Sampling
Nitrate as N		0.097		0.050	mg/L	353.2
Chemical Oxygen Demand		31		10	mg/L	410.4
Chloride		2.5		0.50	mg/L	9056
Sulfate		6.9		2.0	mg/L	9056
Color		10		5.0	Color Units	SM 2120B
Alkalinity, Total		110	B	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		100		4.0	mg/L	SM 2340C
Total Dissolved Solids		130		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34951-6	PZ-9M					
Barium		0.15		0.0020	mg/L	6010B
Boron		0.015	J	0.020	mg/L	6010B
Cadmium		0.00093	J	0.0010	mg/L	6010B
Calcium		25		0.50	mg/L	6010B
Iron		0.13		0.050	mg/L	6010B
Magnesium		8.0		0.20	mg/L	6010B
Manganese		0.080		0.0030	mg/L	6010B
Potassium		1.2		0.50	mg/L	6010B
Sodium		2.6		1.0	mg/L	6010B
Zinc		0.034		0.010	mg/L	6010B
Field EH/ORP		223			millivolts	Field Sampling
Field pH		7.00			SU	Field Sampling
Field Temperature		7.2			Degrees C	Field Sampling
Field Turbidity		0.71			NTU	Field Sampling
Field Conductivity		192			umhos/cm	Field Sampling
Well Depth		73.97			ft	Field Sampling
Depth to Water from Top of Casing		34.59			ft	Field Sampling
Nitrate as N		0.047	J	0.050	mg/L	353.2
Chloride		6.9		0.50	mg/L	9056
Sulfate		10	B	2.0	mg/L	9056
Color		10		5.0	Color Units	SM 2120B
Alkalinity, Total		90	B	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		98		4.0	mg/L	SM 2340C
Total Dissolved Solids		120		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34997-17	PZ-20M					
Aluminum		1.4		0.20	mg/L	6010B
Barium		0.16		0.0020	mg/L	6010B
Boron		0.051		0.020	mg/L	6010B
Calcium		35		0.50	mg/L	6010B
Chromium		0.0017	J	0.0040	mg/L	6010B
Copper		0.0024	J	0.010	mg/L	6010B
Iron		1.6		0.050	mg/L	6010B
Magnesium		10		0.20	mg/L	6010B
Manganese		0.22		0.0030	mg/L	6010B
Nickel		0.0013	J	0.010	mg/L	6010B
Potassium		2.6		0.50	mg/L	6010B
Sodium		6.4		1.0	mg/L	6010B
Vanadium		0.0024	J	0.0050	mg/L	6010B
Zinc		0.0043	J	0.010	mg/L	6010B
Field EH/ORP		103			millivolts	Field Sampling
Field pH		7.07			SU	Field Sampling
Field Temperature		6.9			Degrees C	Field Sampling
Field Turbidity		12.9			NTU	Field Sampling
Field Conductivity		242			umhos/cm	Field Sampling
Well Depth		34.50			ft	Field Sampling
Depth to Water from Top of Casing		4.94			ft	Field Sampling
Ammonia		0.13	J	0.20	mg/L	350.1
Total Kjeldahl Nitrogen		0.17	J	0.20	mg/L	351.2
Nitrate as N		0.052		0.050	mg/L	353.2
Chloride		1.4		0.50	mg/L	9056
Sulfate		6.9		2.0	mg/L	9056
Color		20		5.0	Color Units	SM 2120B
Alkalinity, Total		140	B	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		130		10	mg/L	SM 2340C
Total Dissolved Solids		150		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34997-18	PZ-10M					
Aluminum		1.7		0.20	mg/L	6010B
Barium		0.18		0.0020	mg/L	6010B
Boron		0.097		0.020	mg/L	6010B
Calcium		37		0.50	mg/L	6010B
Chromium		0.0017	J	0.0040	mg/L	6010B
Cobalt		0.00075	J	0.0040	mg/L	6010B
Copper		0.0034	J	0.010	mg/L	6010B
Iron		2.7		0.050	mg/L	6010B
Magnesium		11		0.20	mg/L	6010B
Manganese		0.18		0.0030	mg/L	6010B
Nickel		0.0018	J	0.010	mg/L	6010B
Potassium		2.7		0.50	mg/L	6010B
Sodium		14		1.0	mg/L	6010B
Vanadium		0.0028	J	0.0050	mg/L	6010B
Zinc		0.0052	J	0.010	mg/L	6010B
Field EH/ORP		252			millivolts	Field Sampling
Field pH		7.42			SU	Field Sampling
Field Temperature		7.8			Degrees C	Field Sampling
Field Turbidity		19.9			NTU	Field Sampling
Field Conductivity		276			umhos/cm	Field Sampling
Well Depth		34.28			ft	Field Sampling
Depth to Water from Top of Casing		22.40			ft	Field Sampling
Ammonia		0.16	J	0.20	mg/L	350.1
Total Kjeldahl Nitrogen		0.23		0.20	mg/L	351.2
Chloride		1.9		0.50	mg/L	9056
Sulfate		9.4		2.0	mg/L	9056
Color		25		5.0	Color Units	SM 2120B
Alkalinity, Total		160	B	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		140		10	mg/L	SM 2340C
Total Dissolved Solids		200		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-34997-19	DRAIN TILE 2					
Aluminum		0.23		0.20	mg/L	6010B
Barium		0.12		0.0020	mg/L	6010B
Boron		0.33		0.020	mg/L	6010B
Calcium		99		0.50	mg/L	6010B
Chromium		0.0012	J	0.0040	mg/L	6010B
Copper		0.0020	J	0.010	mg/L	6010B
Iron		3.7		0.050	mg/L	6010B
Magnesium		22		0.20	mg/L	6010B
Manganese		0.51		0.0030	mg/L	6010B
Potassium		2.6		0.50	mg/L	6010B
Sodium		7.3		1.0	mg/L	6010B
Zinc		0.0017	J	0.010	mg/L	6010B
Field EH/ORP		210			millivolts	Field Sampling
Field pH		6.58			SU	Field Sampling
Field Temperature		8.6			Degrees C	Field Sampling
Field Turbidity		0.62			NTU	Field Sampling
Field Conductivity		568			umhos/cm	Field Sampling
Ammonia		0.34		0.20	mg/L	350.1
Total Kjeldahl Nitrogen		0.42		0.20	mg/L	351.2
Nitrate as N		0.39		0.050	mg/L	353.2
Chemical Oxygen Demand		14		10	mg/L	410.4
Chloride		3.8		0.50	mg/L	9056
Sulfate		27		2.0	mg/L	9056
Color		30		5.0	Color Units	SM 2120B
Alkalinity, Total		340	B	5.0	mg/L	SM 2320B
Hardness as calcium carbonate		350		10	mg/L	SM 2340C
Total Dissolved Solids		360		10	mg/L	SM 2540C
Total Organic Carbon		1.3		1.0	mg/L	SM 5310D

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35108-17	PZ-17D					
Acetone		6.8	J	10	ug/L	8260B
Carbon disulfide		4.6		1.0	ug/L	8260B
Aluminum		0.64		0.20	mg/L	6010B
Arsenic		0.0070	J	0.010	mg/L	6010B
Barium		0.017		0.0020	mg/L	6010B
Boron		0.083		0.020	mg/L	6010B
Calcium		18		0.50	mg/L	6010B
Chromium		0.0016	J	0.0040	mg/L	6010B
Copper		0.0053	J	0.010	mg/L	6010B
Iron		0.45		0.050	mg/L	6010B
Magnesium		2.0		0.20	mg/L	6010B
Manganese		0.018		0.0030	mg/L	6010B
Nickel		0.0037	J	0.010	mg/L	6010B
Potassium		11		0.50	mg/L	6010B
Sodium		34		1.0	mg/L	6010B
Vanadium		0.016		0.0050	mg/L	6010B
Zinc		0.0036	J	0.010	mg/L	6010B
Field EH/ORP		206			millivolts	Field Sampling
Field pH		10.04			SU	Field Sampling
Field Temperature		6.5			Degrees C	Field Sampling
Field Turbidity		9.85			NTU	Field Sampling
Field Conductivity		233			umhos/cm	Field Sampling
Well Depth		108.00			ft	Field Sampling
Depth to Water from Top of Casing		34.72			ft	Field Sampling
Ammonia		0.14	J	0.20	mg/L	350.1
Total Kjeldahl Nitrogen		0.48		0.20	mg/L	351.2
Nitrate as N		0.055		0.050	mg/L	353.2
Chemical Oxygen Demand		56		10	mg/L	410.4
Hexavalent chromium		0.0061	J	0.010	mg/L	7196A
Chloride		5.5		0.50	mg/L	9056
Sulfate		16		2.0	mg/L	9056
Color		15		5.0	Color Units	SM 2120B
Alkalinity, Total		180		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		58		4.0	mg/L	SM 2340C
Total Dissolved Solids		220		10	mg/L	SM 2540C
Biochemical Oxygen Demand		17		2.0	mg/L	SM 5210B
Total Organic Carbon		2.0		1.0	mg/L	SM 5310D

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35108-18	PZ-13D					
Aluminum		0.061	J	0.20	mg/L	6010B
Barium		0.14		0.0020	mg/L	6010B
Boron		0.11		0.020	mg/L	6010B
Calcium		30		0.50	mg/L	6010B
Copper		0.0017	J	0.010	mg/L	6010B
Iron		0.19		0.050	mg/L	6010B
Magnesium		8.7		0.20	mg/L	6010B
Manganese		0.041		0.0030	mg/L	6010B
Potassium		2.8		0.50	mg/L	6010B
Sodium		21		1.0	mg/L	6010B
Zinc		0.0017	J	0.010	mg/L	6010B
Field EH/ORP		264			millivolts	Field Sampling
Field pH		7.70			SU	Field Sampling
Field Temperature		7.9			Degrees C	Field Sampling
Field Turbidity		2.86			NTU	Field Sampling
Field Conductivity		270			umhos/cm	Field Sampling
Well Depth		133.28			ft	Field Sampling
Depth to Water from Top of Casing		72.53			ft	Field Sampling
Ammonia		0.24		0.20	mg/L	350.1
Total Kjeldahl Nitrogen		0.46		0.20	mg/L	351.2
Nitrate as N		0.024	J	0.050	mg/L	353.2
Phenolics, Total Recoverable		0.0063	J	0.010	mg/L	420.4
Chloride		0.98		0.50	mg/L	9056
Sulfate		9.7		2.0	mg/L	9056
Color		10		5.0	Color Units	SM 2120B
Alkalinity, Total		160		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		110		4.0	mg/L	SM 2340C
Total Dissolved Solids		180		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35108-19	PZ-13M					
Aluminum		0.15	J	0.20	mg/L	6010B
Barium		0.20		0.0020	mg/L	6010B
Boron		0.039		0.020	mg/L	6010B
Calcium		40		0.50	mg/L	6010B
Iron		0.18		0.050	mg/L	6010B
Magnesium		11		0.20	mg/L	6010B
Manganese		0.26		0.0030	mg/L	6010B
Potassium		1.6		0.50	mg/L	6010B
Sodium		9.2		1.0	mg/L	6010B
Zinc		0.0034	J	0.010	mg/L	6010B
Field EH/ORP		279			millivolts	Field Sampling
Field pH		7.56			SU	Field Sampling
Field Temperature		7.6			Degrees C	Field Sampling
Field Turbidity		2.55			NTU	Field Sampling
Field Conductivity		227			umhos/cm	Field Sampling
Well Depth		110.77			ft	Field Sampling
Depth to Water from Top of Casing		71.78			ft	Field Sampling
Ammonia		0.12	J	0.20	mg/L	350.1
Total Kjeldahl Nitrogen		0.16	J	0.20	mg/L	351.2
Nitrate as N		0.024	J	0.050	mg/L	353.2
Phenolics, Total Recoverable		0.0050	J B	0.010	mg/L	420.4
Hexavalent chromium		0.0053	J	0.010	mg/L	7196A
Chloride		0.53		0.50	mg/L	9056
Sulfate		7.7		2.0	mg/L	9056
Color		5.0		5.0	Color Units	SM 2120B
Alkalinity, Total		160		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		140		4.0	mg/L	SM 2340C
Total Dissolved Solids		170		10	mg/L	SM 2540C
Biochemical Oxygen Demand		2.2	b	2.0	mg/L	SM 5210B

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35108-20	PZ-19D					
Acetone		22		10	ug/L	8260B
Aluminum		0.064	J	0.20	mg/L	6010B
Barium		0.15		0.0020	mg/L	6010B
Boron		0.026		0.020	mg/L	6010B
Calcium		28		0.50	mg/L	6010B
Chromium		0.0014	J	0.0040	mg/L	6010B
Copper		0.0018	J	0.010	mg/L	6010B
Iron		0.14		0.050	mg/L	6010B
Magnesium		11		0.20	mg/L	6010B
Manganese		0.21		0.0030	mg/L	6010B
Potassium		6.2		0.50	mg/L	6010B
Sodium		8.6		1.0	mg/L	6010B
Zinc		0.0030	J	0.010	mg/L	6010B
Field EH/ORP		217			millivolts	Field Sampling
Field pH		7.34			SU	Field Sampling
Field Temperature		6.1			Degrees C	Field Sampling
Field Turbidity		3.87			NTU	Field Sampling
Field Conductivity		270			umhos/cm	Field Sampling
Well Depth		133.35			ft	Field Sampling
Depth to Water from Top of Casing		76.51			ft	Field Sampling
Total Kjeldahl Nitrogen		0.16	J	0.20	mg/L	351.2
Nitrate as N		0.039	J	0.050	mg/L	353.2
Chemical Oxygen Demand		8.5	J	10	mg/L	410.4
Hexavalent chromium		0.0087	J	0.010	mg/L	7196A
Chloride		2.7		0.50	mg/L	9056
Sulfate		7.9		2.0	mg/L	9056
Alkalinity, Total		140		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		110		10	mg/L	SM 2340C
Total Dissolved Solids		180		10	mg/L	SM 2540C
Biochemical Oxygen Demand		8.8		2.0	mg/L	SM 5210B
Total Organic Carbon		3.7		1.0	mg/L	SM 5310D

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35108-21	PZ-16D					
Aluminum		0.31		0.20	mg/L	6010B
Barium		0.14		0.0020	mg/L	6010B
Boron		0.095		0.020	mg/L	6010B
Calcium		33		0.50	mg/L	6010B
Iron		0.38		0.050	mg/L	6010B
Magnesium		9.6		0.20	mg/L	6010B
Manganese		0.049		0.0030	mg/L	6010B
Potassium		2.1		0.50	mg/L	6010B
Sodium		13		1.0	mg/L	6010B
Zinc		0.0017	J	0.010	mg/L	6010B
Field EH/ORP		224			millivolts	Field Sampling
Field pH		7.67			SU	Field Sampling
Field Temperature		7.9			Degrees C	Field Sampling
Field Turbidity		4.80			NTU	Field Sampling
Field Conductivity		209			umhos/cm	Field Sampling
Well Depth		55.40			ft	Field Sampling
Depth to Water from Top of Casing		34.29			ft	Field Sampling
Ammonia		0.25		0.20	mg/L	350.1
Total Kjeldahl Nitrogen		0.26		0.20	mg/L	351.2
Nitrate as N		0.023	J	0.050	mg/L	353.2
Hexavalent chromium		0.0078	J	0.010	mg/L	7196A
Chloride		0.31	J	0.50	mg/L	9056
Sulfate		10		2.0	mg/L	9056
Color		15		5.0	Color Units	SM 2120B
Alkalinity, Total		150		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		130		10	mg/L	SM 2340C
Total Dissolved Solids		190		10	mg/L	SM 2540C
Total Organic Carbon		0.52	J	1.0	mg/L	SM 5310D

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35108-22	PZ-18M					
Aluminum		0.28		0.20	mg/L	6010B
Barium		0.043		0.0020	mg/L	6010B
Boron		0.018	J	0.020	mg/L	6010B
Calcium		38		0.50	mg/L	6010B
Chromium		0.0012	J	0.0040	mg/L	6010B
Iron		0.50		0.050	mg/L	6010B
Magnesium		13		0.20	mg/L	6010B
Manganese		2.0		0.0030	mg/L	6010B
Potassium		1.6		0.50	mg/L	6010B
Sodium		5.1		1.0	mg/L	6010B
Field EH/ORP		252			millivolts	Field Sampling
Field pH		7.59			SU	Field Sampling
Field Temperature		7.4			Degrees C	Field Sampling
Field Turbidity		4.94			NTU	Field Sampling
Field Conductivity		309			umhos/cm	Field Sampling
Well Depth		50.00			ft	Field Sampling
Depth to Water from Top of Casing		16.71			ft	Field Sampling
Total Kjeldahl Nitrogen		0.19	J	0.20	mg/L	351.2
Hexavalent chromium		0.0053	J	0.010	mg/L	7196A
Chloride		44		0.50	mg/L	9056
Sulfate		9.7		2.0	mg/L	9056
Alkalinity, Total		99		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		150		10	mg/L	SM 2340C
Total Dissolved Solids		240		10	mg/L	SM 2540C

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35108-23	PZ-14M					
Aluminum		2.7		0.20	mg/L	6010B
Barium		0.045		0.0020	mg/L	6010B
Boron		0.039		0.020	mg/L	6010B
Calcium		57		0.50	mg/L	6010B
Chromium		0.0037	J	0.0040	mg/L	6010B
Cobalt		0.00087	J	0.0040	mg/L	6010B
Copper		0.0018	J	0.010	mg/L	6010B
Iron		2.1		0.050	mg/L	6010B
Lead		0.0033	J	0.0050	mg/L	6010B
Magnesium		14		0.20	mg/L	6010B
Manganese		0.074		0.0030	mg/L	6010B
Nickel		0.0020	J	0.010	mg/L	6010B
Potassium		2.8		0.50	mg/L	6010B
Sodium		20		1.0	mg/L	6010B
Vanadium		0.0043	J	0.0050	mg/L	6010B
Zinc		0.0048	J	0.010	mg/L	6010B
Field EH/ORP		276			millivolts	Field Sampling
Field pH		7.90			SU	Field Sampling
Field Temperature		6.9			Degrees C	Field Sampling
Field Turbidity		30.4			NTU	Field Sampling
Field Conductivity		426			umhos/cm	Field Sampling
Well Depth		33.50			ft	Field Sampling
Depth to Water from Top of Casing		25.93			ft	Field Sampling
Nitrate as N		0.13		0.050	mg/L	353.2
Chloride		52		0.50	mg/L	9056
Sulfate		16		2.0	mg/L	9056
Color		20		5.0	Color Units	SM 2120B
Alkalinity, Total		150		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		200		10	mg/L	SM 2340C
Total Dissolved Solids		290		10	mg/L	SM 2540C
Total Organic Carbon		0.74	J	1.0	mg/L	SM 5310D

EXECUTIVE SUMMARY - Detections

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-35108-24FD	FIELD DUPLICATE					
Aluminum		0.22		0.20	mg/L	6010B
Barium		0.043		0.0020	mg/L	6010B
Boron		0.017	J	0.020	mg/L	6010B
Calcium		38		0.50	mg/L	6010B
Chromium		0.0015	J	0.0040	mg/L	6010B
Iron		0.42		0.050	mg/L	6010B
Magnesium		13		0.20	mg/L	6010B
Manganese		2.0		0.0030	mg/L	6010B
Potassium		1.6		0.50	mg/L	6010B
Sodium		5.1		1.0	mg/L	6010B
Field EH/ORP		252			millivolts	Field Sampling
Field pH		7.59			SU	Field Sampling
Field Temperature		7.4			Degrees C	Field Sampling
Field Turbidity		4.94			NTU	Field Sampling
Field Conductivity		309			umhos/cm	Field Sampling
Well Depth		50.00			ft	Field Sampling
Depth to Water from Top of Casing		16.71			ft	Field Sampling
Nitrate as N		0.020	J	0.050	mg/L	353.2
Hexavalent chromium		0.0053	J	0.010	mg/L	7196A
Bromide		0.17	J	0.20	mg/L	9056
Chloride		44		0.50	mg/L	9056
Sulfate		9.7		2.0	mg/L	9056
Color		10		5.0	Color Units	SM 2120B
Alkalinity, Total		100		5.0	mg/L	SM 2320B
Hardness as calcium carbonate		150		10	mg/L	SM 2340C
Total Dissolved Solids		310		10	mg/L	SM 2540C
480-35108-25EB	EQUIPMENT BLANK					
Hexavalent chromium		0.0078	J	0.010	mg/L	7196A
Total Dissolved Solids		23		10	mg/L	SM 2540C

METHOD SUMMARY

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Description	Lab Location	Method	Preparation Method
Matrix: Ground Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B
Metals (ICP)	TAL BUF	SW846 6010B	
Preparation, Total Metals	TAL BUF		SW846 3005A
Mercury (CVAA)	TAL BUF	SW846 7470A	
Preparation, Mercury	TAL BUF		SW846 7470A
Nitrogen, Ammonia	TAL BUF	MCAWW 350.1	
Distillation, Ammonia	TAL BUF		Distill/Ammonia
Nitrogen, Total Kjeldahl	TAL BUF	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL BUF		MCAWW 351.2
Nitrate	TAL BUF	EPA 353.2	
COD	TAL BUF	MCAWW 410.4	
Phenolics, Total Recoverable	TAL BUF	MCAWW 420.4	
Distillation, Phenolics	TAL BUF		Distill/Phenol
Chromium, Hexavalent	TAL BUF	SW846 7196A	
Cyanide, Total and/or Amenable	TAL BUF	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL BUF		SW846 9012A
Anions, Ion Chromatography	TAL BUF	SW846 9056	
Color, Colorimetric	TAL BUF	SM SM 2120B	
Alkalinity	TAL BUF	SM SM 2320B	
Hardness, Total	TAL BUF	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL BUF	SM SM 2540C	
BOD, 5-Day	TAL BUF	SM SM 5210B	
Organic Carbon, Total (TOC)	TAL BUF	SM SM 5310D	
Field Sampling	TAL BUF	EPA Field Sampling	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B
Metals (ICP)	TAL BUF	SW846 6010B	
Preparation, Total Metals	TAL BUF		SW846 3005A
Mercury (CVAA)	TAL BUF	SW846 7470A	
Preparation, Mercury	TAL BUF		SW846 7470A
Nitrogen, Ammonia	TAL BUF	MCAWW 350.1	
Distillation, Ammonia	TAL BUF		Distill/Ammonia
Nitrogen, Total Kjeldahl	TAL BUF	MCAWW 351.2	
Nitrogen, Total Kjeldahl	TAL BUF		MCAWW 351.2
Nitrate	TAL BUF	EPA 353.2	
COD	TAL BUF	MCAWW 410.4	

METHOD SUMMARY

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Phenolics, Total Recoverable	TAL BUF	MCAWW 420.4	
Distillation, Phenolics	TAL BUF		Distill/Phenol
Chromium, Hexavalent	TAL BUF	SW846 7196A	
Cyanide, Total and/or Amenable	TAL BUF	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL BUF		SW846 9012A
Anions, Ion Chromatography	TAL BUF	SW846 9056	
Color, Colorimetric	TAL BUF	SM SM 2120B	
Alkalinity	TAL BUF	SM SM 2320B	
Hardness, Total	TAL BUF	SM SM 2340C	
Solids, Total Dissolved (TDS)	TAL BUF	SM SM 2540C	
BOD, 5-Day	TAL BUF	SM SM 5210B	
Organic Carbon, Total (TOC)	TAL BUF	SM SM 5310D	
Field Sampling	TAL BUF	EPA Field Sampling	

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method	Analyst	Analyst ID
SW846 8260B	Brandt, Todd R	TRB
SW846 8260B	Cwiklinski, Charles D	CDC
SW846 8260B	Hill, Leah	LH
SW846 6010B	Hanks, Lisa	LH
SW846 7470A	Kacalski, Jason	JRK
EPA Field Sampling	Sampler, Field	FLD
MCAWW 350.1	Bak, Sarah	SB
MCAWW 350.1	Shantz, Katelyn	KS
MCAWW 351.2	Hacic, Nicole	NH
EPA 353.2	Shantz, Katelyn	KS
EPA 353.2	Sobol, Kevin	KS
MCAWW 410.4	Brado, James	JB
MCAWW 410.4	Javed, Khansa	KJ
MCAWW 420.4	Quirk, Patrick J	PJQ
SW846 7196A	Hacic, Nicole	NH
SW846 7196A	Sobol, Kevin	KS
SW846 9012A	Nyznyk, Elizabeth G	EGN
SW846 9012A	Shantz, Katelyn	KS
SW846 9056	Clark, Kyra	KC
SW846 9056	Cudney, Kevin A	KAC
SM SM 2120B	Leader, Michael	ML
SM SM 2120B	Sobol, Kevin	KS
SM SM 2320B	Kalmbach, Lynne	LK
SM SM 2320B	Nyznyk, Elizabeth G	EGN
SM SM 2340C	Wu, Leon Y	LYW
SM SM 2540C	Brado, James	JB
SM SM 2540C	Sobol, Kevin	KS
SM SM 5210B	Leader, Michael	ML
SM SM 5210B	Sobol, Kevin	KS
SM SM 5310D	Clark, Kyra	KC

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-3M

Lab Sample ID: 480-34951-1

Date Sampled: 03/25/2013 1152

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6496.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0209			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0209				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-3M

Lab Sample ID: 480-34951-1

Date Sampled: 03/25/2013 1152

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6496.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0209			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0209				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
Toluene-d8 (Surr)	103		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-1M

Lab Sample ID: 480-34951-2

Date Sampled: 03/25/2013 1155

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6497.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0237			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-1M

Lab Sample ID: 480-34951-2

Date Sampled: 03/25/2013 1155

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6497.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0237			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0237				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		66 - 137
Toluene-d8 (Surr)	101		71 - 126
4-Bromofluorobenzene (Surr)	98		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-6D

Lab Sample ID: 480-34951-3

Date Sampled: 03/25/2013 1342

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109569	Instrument ID: HP5973Q	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: Q6498.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/28/2013 0304		Final Weight/Volume: 5 mL	
Prep Date: 03/28/2013 0304			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-6D

Lab Sample ID: 480-34951-3

Date Sampled: 03/25/2013 1342

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6498.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0304			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0304				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
Toluene-d8 (Surr)	102		71 - 126
4-Bromofluorobenzene (Surr)	96		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-6M

Lab Sample ID: 480-34951-4

Date Sampled: 03/25/2013 1303

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6499.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0332			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0332				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-6M

Lab Sample ID: 480-34951-4

Date Sampled: 03/25/2013 1303

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6499.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0332			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0332				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
Toluene-d8 (Surr)	101		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-9D

Lab Sample ID: 480-34951-5

Date Sampled: 03/25/2013 1455

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109569	Instrument ID: HP5973Q	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: Q6500.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/28/2013 0359		Final Weight/Volume: 5 mL	
Prep Date: 03/28/2013 0359			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-9D

Lab Sample ID: 480-34951-5

Date Sampled: 03/25/2013 1455

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6500.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0359			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0359				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		66 - 137
Toluene-d8 (Surr)	101		71 - 126
4-Bromofluorobenzene (Surr)	95		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-9M

Lab Sample ID: 480-34951-6

Date Sampled: 03/25/2013 1405

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109569	Instrument ID: HP5973Q	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: Q6501.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/28/2013 0427		Final Weight/Volume: 5 mL	
Prep Date: 03/28/2013 0427			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-9M

Lab Sample ID: 480-34951-6

Date Sampled: 03/25/2013 1405

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109569	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6501.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 0427			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 0427				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
Toluene-d8 (Surr)	103		71 - 126
4-Bromofluorobenzene (Surr)	99		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Trip Blank

Lab Sample ID: 480-34951-7TB

Date Sampled: 03/25/2013 0830

Client Matrix: Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109700	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6519.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 1236			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 1236				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Trip Blank

Lab Sample ID: 480-34951-7TB

Date Sampled: 03/25/2013 0830

Client Matrix: Water

Date Received: 03/25/2013 1745

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109700	Instrument ID:	HP5973Q
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	Q6519.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/28/2013 1236			Final Weight/Volume:	5 mL
Prep Date:	03/28/2013 1236				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
Toluene-d8 (Surr)	101		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-20M

Lab Sample ID: 480-34997-17

Date Sampled: 03/26/2013 1238

Client Matrix: Ground Water

Date Received: 03/26/2013 1913

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109803	Instrument ID: HP5973N	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: N5090.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/29/2013 0538		Final Weight/Volume: 5 mL	
Prep Date: 03/29/2013 0538			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-20M

Lab Sample ID: 480-34997-17

Date Sampled: 03/26/2013 1238

Client Matrix: Ground Water

Date Received: 03/26/2013 1913

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109803	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5090.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 0538			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 0538				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	98		71 - 126
4-Bromofluorobenzene (Surr)	91		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-10M

Lab Sample ID: 480-34997-18

Date Sampled: 03/26/2013 1340

Client Matrix: Water

Date Received: 03/26/2013 1913

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109803	Instrument ID: HP5973N	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: N5091.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/29/2013 0601		Final Weight/Volume: 5 mL	
Prep Date: 03/29/2013 0601			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-10M

Lab Sample ID: 480-34997-18

Date Sampled: 03/26/2013 1340

Client Matrix: Water

Date Received: 03/26/2013 1913

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109803	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5091.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 0601			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 0601				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
Toluene-d8 (Surr)	99		71 - 126
4-Bromofluorobenzene (Surr)	93		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: DRAIN TILE 2

Lab Sample ID: 480-34997-19

Date Sampled: 03/26/2013 1450

Client Matrix: Water

Date Received: 03/26/2013 1913

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109803	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5092.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 0625			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 0625				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: DRAIN TILE 2

Lab Sample ID: 480-34997-19

Date Sampled: 03/26/2013 1450

Client Matrix: Water

Date Received: 03/26/2013 1913

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109803	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5092.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 0625			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 0625				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104		66 - 137
Toluene-d8 (Surr)	95		71 - 126
4-Bromofluorobenzene (Surr)	89		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Trip Blank

Lab Sample ID: 480-34997-20TB

Date Sampled: 03/26/2013 0830

Client Matrix: Water

Date Received: 03/26/2013 1913

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109803	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5095.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 0736			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 0736				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Trip Blank

Lab Sample ID: 480-34997-20TB

Date Sampled: 03/26/2013 0830

Client Matrix: Water

Date Received: 03/26/2013 1913

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109803	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N5095.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 0736			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 0736				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
Toluene-d8 (Surr)	97		71 - 126
4-Bromofluorobenzene (Surr)	93		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-17D

Lab Sample ID: 480-35108-17

Date Sampled: 03/27/2013 1140

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109878	Instrument ID: HP5973C	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C27712.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/29/2013 1525		Final Weight/Volume: 5 mL	
Prep Date: 03/29/2013 1525			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	6.8	J	3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	4.6		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-17D

Lab Sample ID: 480-35108-17

Date Sampled: 03/27/2013 1140

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27712.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1525			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1525				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	93		71 - 126
4-Bromofluorobenzene (Surr)	114		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-13D

Lab Sample ID: 480-35108-18

Date Sampled: 03/27/2013 1225

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109878	Instrument ID: HP5973C	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C27713.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/29/2013 1550		Final Weight/Volume: 5 mL	
Prep Date: 03/29/2013 1550			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-13D

Lab Sample ID: 480-35108-18

Date Sampled: 03/27/2013 1225

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27713.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1550			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1550				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	111		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-13M

Lab Sample ID: 480-35108-19

Date Sampled: 03/27/2013 1210

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109878	Instrument ID: HP5973C	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C27714.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/29/2013 1615		Final Weight/Volume: 5 mL	
Prep Date: 03/29/2013 1615			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-13M

Lab Sample ID: 480-35108-19

Date Sampled: 03/27/2013 1210

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27714.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1615			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1615				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
Toluene-d8 (Surr)	93		71 - 126
4-Bromofluorobenzene (Surr)	113		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-19D

Lab Sample ID: 480-35108-20

Date Sampled: 03/27/2013 1245

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109878	Instrument ID: HP5973C	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C27715.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/29/2013 1640		Final Weight/Volume: 5 mL	
Prep Date: 03/29/2013 1640			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	22		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-19D

Lab Sample ID: 480-35108-20

Date Sampled: 03/27/2013 1245

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27715.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1640			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1640				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		66 - 137
Toluene-d8 (Surr)	90		71 - 126
4-Bromofluorobenzene (Surr)	112		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-16D

Lab Sample ID: 480-35108-21

Date Sampled: 03/27/2013 1420

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109878	Instrument ID: HP5973C	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C27716.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/29/2013 1705		Final Weight/Volume: 5 mL	
Prep Date: 03/29/2013 1705			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-16D

Lab Sample ID: 480-35108-21

Date Sampled: 03/27/2013 1420

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27716.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1705			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1705				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	114		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-18M

Lab Sample ID: 480-35108-22

Date Sampled: 03/27/2013 1418

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27717.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1730			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1730				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-18M

Lab Sample ID: 480-35108-22

Date Sampled: 03/27/2013 1418

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27717.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1730			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1730				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	92		71 - 126
4-Bromofluorobenzene (Surr)	112		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-14M

Lab Sample ID: 480-35108-23

Date Sampled: 03/27/2013 1220

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 480-109878	Instrument ID: HP5973C	
Prep Method: 5030B	Prep Batch: N/A	Lab File ID: C27718.D	
Dilution: 1.0		Initial Weight/Volume: 5 mL	
Analysis Date: 03/29/2013 1755		Final Weight/Volume: 5 mL	
Prep Date: 03/29/2013 1755			

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-14M

Lab Sample ID: 480-35108-23

Date Sampled: 03/27/2013 1220

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27718.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1755			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1755				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98		66 - 137
Toluene-d8 (Surr)	94		71 - 126
4-Bromofluorobenzene (Surr)	115		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Field Duplicate

Lab Sample ID: 480-35108-24FD

Date Sampled: 03/27/2013 1418

Client Matrix: Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27719.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1820			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Field Duplicate

Lab Sample ID: 480-35108-24FD

Date Sampled: 03/27/2013 1418

Client Matrix: Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27719.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1820			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1820				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	110		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Equipment Blank

Lab Sample ID: 480-35108-25EB

Date Sampled: 03/27/2013 1200

Client Matrix: Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27720.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1845			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1845				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Equipment Blank

Lab Sample ID: 480-35108-25EB

Date Sampled: 03/27/2013 1200

Client Matrix: Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27720.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1845			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1845				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		66 - 137
Toluene-d8 (Surr)	92		71 - 126
4-Bromofluorobenzene (Surr)	110		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Trip Blank

Lab Sample ID: 480-35108-26TB

Date Sampled: 03/27/2013 0800

Client Matrix: Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27721.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1911				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0
Vinyl chloride	ND		0.90	1.0

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Trip Blank

Lab Sample ID: 480-35108-26TB

Date Sampled: 03/27/2013 0800

Client Matrix: Water

Date Received: 03/27/2013 1828

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-109878	Instrument ID:	HP5973C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C27721.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/29/2013 1911			Final Weight/Volume:	5 mL
Prep Date:	03/29/2013 1911				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		66 - 137
Toluene-d8 (Surr)	91		71 - 126
4-Bromofluorobenzene (Surr)	112		73 - 120

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-3M

Lab Sample ID: 480-34951-1

Date Sampled: 03/25/2013 1152

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109619	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109283	Lab File ID:	I1032713A-7.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 1316			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0710				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.22		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.047		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.026		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	30		0.10	0.50
Chromium	0.0013	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.54		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	11		0.043	0.20
Manganese	0.84		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	1.8		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	3.7		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.0018	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109286	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109171	Lab File ID:	H03263W2.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/26/2013 1359			Final Weight/Volume:	50 mL
Prep Date:	03/26/2013 0845				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-1M

Lab Sample ID: 480-34951-2

Date Sampled: 03/25/2013 1155

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109619	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109283	Lab File ID:	I1032713A-7.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 1318			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0710				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.27		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.026		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.018	J	0.0040	0.020
Cadmium	0.00077	J	0.00050	0.0010
Calcium	34		0.10	0.50
Chromium	0.0016	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.63		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	10		0.043	0.20
Manganese	0.55		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	2.0		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	2.9		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.013		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109286	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109171	Lab File ID:	H03263W2.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/26/2013 1402			Final Weight/Volume:	50 mL
Prep Date:	03/26/2013 0845				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-6D

Lab Sample ID: 480-34951-3

Date Sampled: 03/25/2013 1342

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109619	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109283	Lab File ID:	I1032713A-7.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 1321			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0710				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.11	J	0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.15		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.10		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	33		0.10	0.50
Chromium	0.0013	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.35		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	9.6		0.043	0.20
Manganese	0.057		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	2.8		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	18		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.0025	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109286	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109171	Lab File ID:	H03263W2.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/26/2013 1404			Final Weight/Volume:	50 mL
Prep Date:	03/26/2013 0845				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-6M

Lab Sample ID: 480-34951-4

Date Sampled: 03/25/2013 1303

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109619	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109283	Lab File ID:	I1032713A-7.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 1332			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0710				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.19	J	0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.16		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.10		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	35		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	1.2		0.019	0.050
Lead	0.0032	J	0.0030	0.0050
Magnesium	10		0.043	0.20
Manganese	0.13		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	2.2		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	15		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109286	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109171	Lab File ID:	H03263W2.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/26/2013 1407			Final Weight/Volume:	50 mL
Prep Date:	03/26/2013 0845				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-9D

Lab Sample ID: 480-34951-5

Date Sampled: 03/25/2013 1455

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109619	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109283	Lab File ID:	I1032713A-7.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 1334			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0710				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.086	J	0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.12		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.034		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	26		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.20		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	8.8		0.043	0.20
Manganese	0.12		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	1.7		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	5.4		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.0071	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109286	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109171	Lab File ID:	H03263W2.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/26/2013 1409			Final Weight/Volume:	50 mL
Prep Date:	03/26/2013 0845				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-9M

Lab Sample ID: 480-34951-6

Date Sampled: 03/25/2013 1405

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109619	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109283	Lab File ID:	I1032713A-7.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 1337			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0710				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	ND		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.15		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.015	J	0.0040	0.020
Cadmium	0.00093	J	0.00050	0.0010
Calcium	25		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.13		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	8.0		0.043	0.20
Manganese	0.080		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	1.2		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	2.6		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.034		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-111227	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-111146	Lab File ID:	H04053T2.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	04/05/2013 1538			Final Weight/Volume:	50 mL
Prep Date:	04/05/2013 1115				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-20M

Lab Sample ID: 480-34997-17

Date Sampled: 03/26/2013 1238

Client Matrix: Ground Water

Date Received: 03/26/2013 1913

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109652	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-109404	Lab File ID:	I2032713B-5.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 2041			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 1010				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	1.4		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.16		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.051		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	35		0.10	0.50
Chromium	0.0017	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0024	J	0.0016	0.010
Iron	1.6		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	10		0.043	0.20
Manganese	0.22		0.00040	0.0030
Nickel	0.0013	J	0.0013	0.010
Potassium	2.6		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	6.4		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.0024	J	0.0015	0.0050
Zinc	0.0043	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109519	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109372	Lab File ID:	H03273W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/27/2013 1254			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-10M

Lab Sample ID: 480-34997-18

Date Sampled: 03/26/2013 1340

Client Matrix: Water

Date Received: 03/26/2013 1913

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109652	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-109404	Lab File ID:	I2032713B-5.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 2043			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 1010				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	1.7		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.18		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.097		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	37		0.10	0.50
Chromium	0.0017	J	0.0010	0.0040
Cobalt	0.00075	J	0.00063	0.0040
Copper	0.0034	J	0.0016	0.010
Iron	2.7		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	11		0.043	0.20
Manganese	0.18		0.00040	0.0030
Nickel	0.0018	J	0.0013	0.010
Potassium	2.7		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	14		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.0028	J	0.0015	0.0050
Zinc	0.0052	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109519	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109372	Lab File ID:	H03273W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/27/2013 1256			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: DRAIN TILE 2

Lab Sample ID: 480-34997-19

Date Sampled: 03/26/2013 1450

Client Matrix: Water

Date Received: 03/26/2013 1913

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109652	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-109404	Lab File ID:	I2032713B-5.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 2046			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 1010				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.23		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.12		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.33		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	99		0.10	0.50
Chromium	0.0012	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0020	J	0.0016	0.010
Iron	3.7		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	22		0.043	0.20
Manganese	0.51		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	2.6		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	7.3		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.0017	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109519	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109372	Lab File ID:	H03273W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/27/2013 1259			Final Weight/Volume:	50 mL
Prep Date:	03/27/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Client Sample ID: PZ-17D

Lab Sample ID: 480-35108-17
Client Matrix: Ground Water

Date Sampled: 03/27/2013 1140
Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1909			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.64		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	0.0070	J	0.0056	0.010
Barium	0.017		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.083		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	18		0.10	0.50
Chromium	0.0016	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0053	J	0.0016	0.010
Iron	0.45		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	2.0		0.043	0.20
Manganese	0.018		0.00040	0.0030
Nickel	0.0037	J	0.0013	0.010
Potassium	11		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	34		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.016		0.0015	0.0050
Zinc	0.0036	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1250			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-13D

Lab Sample ID: 480-35108-18

Date Sampled: 03/27/2013 1225

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1911			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.061	J	0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.14		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.11		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	30		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0017	J	0.0016	0.010
Iron	0.19		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	8.7		0.043	0.20
Manganese	0.041		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	2.8		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	21		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.0017	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1252			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-13M

Lab Sample ID: 480-35108-19

Date Sampled: 03/27/2013 1210

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1922			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.15	J	0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	0.20		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.039		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	40		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.18		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	11		0.043	0.20
Manganese	0.26		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	1.6		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	9.2		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.0034	J	0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1253			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-19D

Lab Sample ID: 480-35108-20

Date Sampled: 03/27/2013 1245

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1929			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.064	J	0.060	0.20
Barium	0.15		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.026		0.0040	0.020
Calcium	28		0.10	0.50
Chromium	0.0014	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0018	J	0.0016	0.010
Iron	0.14		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	11		0.043	0.20
Manganese	0.21		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	6.2		0.10	0.50
Silver	ND		0.0017	0.0030
Sodium	8.6		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.0030	J	0.0015	0.010

Analysis Method:	6010B	Analysis Batch:	480-110066	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032913A-3.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/29/2013 1436			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Cadmium	ND		0.00050	0.0010
Selenium	ND		0.0087	0.015

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1258			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-16D

Lab Sample ID: 480-35108-21

Date Sampled: 03/27/2013 1420

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1931			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.31		0.060	0.20
Barium	0.14		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.095		0.0040	0.020
Calcium	33		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.38		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	9.6		0.043	0.20
Manganese	0.049		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	2.1		0.10	0.50
Silver	ND		0.0017	0.0030
Sodium	13		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.0017	J	0.0015	0.010

Analysis Method:	6010B	Analysis Batch:	480-110066	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032913A-3.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/29/2013 1438			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Cadmium	ND		0.00050	0.0010
Selenium	ND		0.0087	0.015

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1300			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-18M

Lab Sample ID: 480-35108-22

Date Sampled: 03/27/2013 1418

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1933			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.28		0.060	0.20
Barium	0.043		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.018	J	0.0040	0.020
Calcium	38		0.10	0.50
Chromium	0.0012	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.50		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	13		0.043	0.20
Manganese	2.0		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	1.6		0.10	0.50
Silver	ND		0.0017	0.0030
Sodium	5.1		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

Analysis Method:	6010B	Analysis Batch:	480-110066	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032913A-3.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/29/2013 1441			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Cadmium	ND		0.00050	0.0010
Selenium	ND		0.0087	0.015

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1302			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: PZ-14M

Lab Sample ID: 480-35108-23

Date Sampled: 03/27/2013 1220

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1936			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	2.7		0.060	0.20
Barium	0.045		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.039		0.0040	0.020
Calcium	57		0.10	0.50
Chromium	0.0037	J	0.0010	0.0040
Cobalt	0.00087	J	0.00063	0.0040
Copper	0.0018	J	0.0016	0.010
Iron	2.1		0.019	0.050
Lead	0.0033	J	0.0030	0.0050
Magnesium	14		0.043	0.20
Manganese	0.074		0.00040	0.0030
Nickel	0.0020	J	0.0013	0.010
Potassium	2.8		0.10	0.50
Silver	ND		0.0017	0.0030
Sodium	20		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	0.0043	J	0.0015	0.0050
Zinc	0.0048	J	0.0015	0.010

Analysis Method:	6010B	Analysis Batch:	480-110066	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032913A-3.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/29/2013 1443			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Cadmium	ND		0.00050	0.0010
Selenium	ND		0.0087	0.015

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1304			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Field Duplicate

Lab Sample ID: 480-35108-24FD

Date Sampled: 03/27/2013 1418

Client Matrix: Water

Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1938			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.22		0.060	0.20
Barium	0.043		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	0.017	J	0.0040	0.020
Calcium	38		0.10	0.50
Chromium	0.0015	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	0.42		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	13		0.043	0.20
Manganese	2.0		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	1.6		0.10	0.50
Silver	ND		0.0017	0.0030
Sodium	5.1		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

Analysis Method:	6010B	Analysis Batch:	480-110066	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032913A-3.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/29/2013 1445			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Cadmium	ND		0.00050	0.0010
Selenium	ND		0.0087	0.015

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1306			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Client Sample ID: Equipment Blank

Lab Sample ID: 480-35108-25EB

Date Sampled: 03/27/2013 1200

Client Matrix: Water

Date Received: 03/27/2013 1828

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1940			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	ND		0.060	0.20
Barium	ND		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	ND		0.0040	0.020
Calcium	ND		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	ND		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	ND		0.043	0.20
Manganese	ND		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	ND		0.10	0.50
Silver	ND		0.0017	0.0030
Sodium	ND		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

Analysis Method:	6010B	Analysis Batch:	480-110066	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-109673	Lab File ID:	I1032913A-3.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	03/29/2013 1447			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Cadmium	ND		0.00050	0.0010
Selenium	ND		0.0087	0.015

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-109956	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-109867	Lab File ID:	H03293W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/29/2013 1308			Final Weight/Volume:	50 mL
Prep Date:	03/29/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-3M

Lab Sample ID: 480-34951-1

Date Sampled: 03/25/2013 1152

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109321		Analysis Date: 03/26/2013 1702				
	Prep Batch: 480-109295		Prep Date: 03/26/2013 1445				
Total Kjeldahl Nitrogen	ND		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821		Analysis Date: 03/28/2013 1849				
	Prep Batch: 480-109452		Prep Date: 03/27/2013 1100				
Nitrate as N	ND		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109330		Analysis Date: 03/26/2013 1646				
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110019		Analysis Date: 03/29/2013 1719				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-109852		Analysis Date: 03/29/2013 0619				
	Prep Batch: 480-109752		Prep Date: 03/28/2013 1100				
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109117		Analysis Date: 03/25/2013 1850				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-109685		Analysis Date: 03/28/2013 0836				
	Prep Batch: 480-109489		Prep Date: 03/27/2013 1205				
Bromide	0.086	J	mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1630				
Chloride	13		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1630				
Sulfate	9.2		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1630				
Alkalinity, Total	110		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109312		Analysis Date: 03/26/2013 1555				
Hardness as calcium carbonate	120		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-109970		Analysis Date: 03/29/2013 0900				
Total Dissolved Solids	160		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109124		Analysis Date: 03/26/2013 0047				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109132		Analysis Date: 03/25/2013 2135				
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110454		Analysis Date: 04/02/2013 0516				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	10		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109141		Analysis Date: 03/26/2013 0235				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-1M

Lab Sample ID: 480-34951-2

Date Sampled: 03/25/2013 1155

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109321		Analysis Date: 03/26/2013 1709				
	Prep Batch: 480-109295		Prep Date: 03/26/2013 1445				
Total Kjeldahl Nitrogen	0.18	J	mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-110329		Analysis Date: 04/01/2013 1814				
	Prep Batch: 480-109996		Prep Date: 03/29/2013 0935				
Nitrate as N	0.22		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109330		Analysis Date: 03/26/2013 1827				
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110959		Analysis Date: 04/04/2013 1055				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-109852		Analysis Date: 03/29/2013 0619				
	Prep Batch: 480-109752		Prep Date: 03/28/2013 1100				
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109117		Analysis Date: 03/25/2013 1850				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110026		Analysis Date: 03/29/2013 1729				
	Prep Batch: 480-109809		Prep Date: 03/28/2013 1411				
Bromide	0.093	J	mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1643				
Chloride	4.8		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1643				
Sulfate	11		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1643				
Alkalinity, Total	120		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109312		Analysis Date: 03/26/2013 1601				
Hardness as calcium carbonate	120		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-109970		Analysis Date: 03/29/2013 0900				
Total Dissolved Solids	150		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109124		Analysis Date: 03/26/2013 0048				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109132		Analysis Date: 03/25/2013 2135				
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110454		Analysis Date: 04/02/2013 0536				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	ND		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109141		Analysis Date: 03/26/2013 0236				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-6D

Lab Sample ID: 480-34951-3
Client Matrix: Ground Water

Date Sampled: 03/25/2013 1342
Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109321		Analysis Date: 03/26/2013 1710				
	Prep Batch: 480-109295		Prep Date: 03/26/2013 1445				
Total Kjeldahl Nitrogen	ND		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821		Analysis Date: 03/28/2013 1849				
	Prep Batch: 480-109452		Prep Date: 03/27/2013 1100				
Nitrate as N	0.16		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109330		Analysis Date: 03/26/2013 1828				
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110050		Analysis Date: 03/29/2013 2108				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-109852		Analysis Date: 03/29/2013 0619				
	Prep Batch: 480-109752		Prep Date: 03/28/2013 1100				
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109117		Analysis Date: 03/25/2013 1850				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110026		Analysis Date: 03/29/2013 1730				
	Prep Batch: 480-109809		Prep Date: 03/28/2013 1411				
Bromide	0.085	J	mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1656				
Chloride	3.1		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1656				
Sulfate	9.9		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1656				
Alkalinity, Total	160	B	mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109590		Analysis Date: 03/27/2013 1315				
Hardness as calcium carbonate	120		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-109970		Analysis Date: 03/29/2013 0900				
Total Dissolved Solids	180		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109124		Analysis Date: 03/26/2013 0049				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109132		Analysis Date: 03/25/2013 2135				
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110454		Analysis Date: 04/02/2013 0556				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	ND		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109141		Analysis Date: 03/26/2013 0238				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-6M

Lab Sample ID: 480-34951-4
Client Matrix: Ground Water

Date Sampled: 03/25/2013 1303
Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.11	J	mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109321		Analysis Date: 03/26/2013 1711				
	Prep Batch: 480-109295		Prep Date: 03/26/2013 1445				
Total Kjeldahl Nitrogen	ND		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821		Analysis Date: 03/28/2013 1849				
	Prep Batch: 480-109452		Prep Date: 03/27/2013 1100				
Nitrate as N	0.039	J	mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109330		Analysis Date: 03/26/2013 1652				
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110050		Analysis Date: 03/29/2013 2108				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-109852		Analysis Date: 03/29/2013 0619				
	Prep Batch: 480-109752		Prep Date: 03/28/2013 1100				
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109117		Analysis Date: 03/25/2013 1850				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110948		Analysis Date: 04/04/2013 1148				
	Prep Batch: 480-110754		Prep Date: 04/03/2013 1730				
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1709				
Chloride	3.5		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1709				
Sulfate	9.6		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1709				
Alkalinity, Total	150	B	mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109590		Analysis Date: 03/27/2013 1327				
Hardness as calcium carbonate	130		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110296		Analysis Date: 04/01/2013 1545				
Total Dissolved Solids	180		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109124		Analysis Date: 03/26/2013 0050				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109132		Analysis Date: 03/25/2013 2135				
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110454		Analysis Date: 04/02/2013 0655				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	15		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109141		Analysis Date: 03/26/2013 0239				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-9D

Lab Sample ID: 480-34951-5
Client Matrix: Ground Water

Date Sampled: 03/25/2013 1455
Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109321		Analysis Date: 03/26/2013 1713				
	Prep Batch: 480-109295		Prep Date: 03/26/2013 1445				
Total Kjeldahl Nitrogen	ND		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821		Analysis Date: 03/28/2013 1849				
	Prep Batch: 480-109452		Prep Date: 03/27/2013 1100				
Nitrate as N	0.097		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109330		Analysis Date: 03/26/2013 1829				
Chemical Oxygen Demand	31		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110464		Analysis Date: 04/02/2013 1055				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-109852		Analysis Date: 03/29/2013 0619				
	Prep Batch: 480-109752		Prep Date: 03/28/2013 1100				
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109117		Analysis Date: 03/25/2013 1850				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110026		Analysis Date: 03/29/2013 1731				
	Prep Batch: 480-109809		Prep Date: 03/28/2013 1411				
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1723				
Chloride	2.5		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1723				
Sulfate	6.9		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109289		Analysis Date: 03/26/2013 1723				
Alkalinity, Total	110	B	mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109590		Analysis Date: 03/27/2013 1339				
Hardness as calcium carbonate	100		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-109970		Analysis Date: 03/29/2013 0900				
Total Dissolved Solids	130		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109124		Analysis Date: 03/26/2013 0051				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109132		Analysis Date: 03/25/2013 2135				
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110454		Analysis Date: 04/02/2013 0715				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	10		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109141		Analysis Date: 03/26/2013 0242				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-9M

Lab Sample ID: 480-34951-6
Client Matrix: Ground Water

Date Sampled: 03/25/2013 1405
Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919		Analysis Date: 03/29/2013 0947				
	Prep Batch: 480-109794		Prep Date: 03/28/2013 1804				
Total Kjeldahl Nitrogen	ND		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821		Analysis Date: 03/28/2013 1856				
	Prep Batch: 480-109452		Prep Date: 03/27/2013 1100				
Nitrate as N	0.047	J	mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109330		Analysis Date: 03/26/2013 1654				
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110327		Analysis Date: 04/01/2013 1720				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-109852		Analysis Date: 03/29/2013 0628				
	Prep Batch: 480-109752		Prep Date: 03/28/2013 1100				
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109117		Analysis Date: 03/25/2013 1850				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110026		Analysis Date: 03/29/2013 1732				
	Prep Batch: 480-109809		Prep Date: 03/28/2013 1411				
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109300		Analysis Date: 03/27/2013 0514				
Chloride	6.9		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109300		Analysis Date: 03/27/2013 0514				
Sulfate	10	B	mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109300		Analysis Date: 03/27/2013 0514				
Alkalinity, Total	90	B	mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109590		Analysis Date: 03/27/2013 1356				
Hardness as calcium carbonate	98		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-109970		Analysis Date: 03/29/2013 0900				
Total Dissolved Solids	120		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109124		Analysis Date: 03/26/2013 0052				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109132		Analysis Date: 03/25/2013 2135				
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110454		Analysis Date: 04/02/2013 0734				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	10		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109141		Analysis Date: 03/26/2013 0244				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-20M

Lab Sample ID: 480-34997-17
Client Matrix: Ground Water

Date Sampled: 03/26/2013 1238
Date Received: 03/26/2013 1913

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.13	J	mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919	Analysis Date: 03/29/2013 0948					
	Prep Batch: 480-109794	Prep Date: 03/28/2013 1804					
Total Kjeldahl Nitrogen	0.17	J	mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821	Analysis Date: 03/28/2013 1856					
	Prep Batch: 480-109452	Prep Date: 03/27/2013 1100					
Nitrate as N	0.052		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109525	Analysis Date: 03/27/2013 1528					
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110019	Analysis Date: 03/29/2013 1719					
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110382	Analysis Date: 04/02/2013 0113					
	Prep Batch: 480-110291	Prep Date: 04/01/2013 1622					
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109341	Analysis Date: 03/26/2013 2212					
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110026	Analysis Date: 03/29/2013 1806					
	Prep Batch: 480-109835	Prep Date: 03/28/2013 2230					
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109661	Analysis Date: 03/28/2013 2247					
Chloride	1.4		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109661	Analysis Date: 03/28/2013 2247					
Sulfate	6.9		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-110009	Analysis Date: 03/29/2013 2016					
Alkalinity, Total	140	B	mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109590	Analysis Date: 03/27/2013 1441					
Hardness as calcium carbonate	130		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110487	Analysis Date: 04/02/2013 1300					
Total Dissolved Solids	150		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109555	Analysis Date: 03/27/2013 1922					
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109325	Analysis Date: 03/26/2013 1823					
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110095	Analysis Date: 03/29/2013 1852					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	20		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109301	Analysis Date: 03/26/2013 1825					

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-10M

Lab Sample ID: 480-34997-18
Client Matrix: Water

Date Sampled: 03/26/2013 1340
Date Received: 03/26/2013 1913

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.16	J	mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919	Analysis Date: 03/29/2013 0949					
	Prep Batch: 480-109794	Prep Date: 03/28/2013 1804					
Total Kjeldahl Nitrogen	0.23		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821	Analysis Date: 03/28/2013 1856					
	Prep Batch: 480-109452	Prep Date: 03/27/2013 1100					
Nitrate as N	ND		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109525	Analysis Date: 03/27/2013 1244					
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110019	Analysis Date: 03/29/2013 1719					
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110382	Analysis Date: 04/02/2013 0118					
	Prep Batch: 480-110291	Prep Date: 04/01/2013 1631					
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109341	Analysis Date: 03/26/2013 2214					
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110026	Analysis Date: 03/29/2013 1804					
	Prep Batch: 480-109835	Prep Date: 03/28/2013 2230					
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109661	Analysis Date: 03/28/2013 2257					
Chloride	1.9		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109661	Analysis Date: 03/28/2013 2257					
Sulfate	9.4		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-110009	Analysis Date: 03/29/2013 2026					
Alkalinity, Total	160	B	mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109590	Analysis Date: 03/27/2013 1447					
Hardness as calcium carbonate	140		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110487	Analysis Date: 04/02/2013 1300					
Total Dissolved Solids	200		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109555	Analysis Date: 03/27/2013 1922					
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109325	Analysis Date: 03/26/2013 1823					
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110095	Analysis Date: 03/29/2013 1912					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	25		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109301	Analysis Date: 03/26/2013 1845					

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: DRAIN TILE 2

Lab Sample ID: 480-34997-19
Client Matrix: Water

Date Sampled: 03/26/2013 1450
Date Received: 03/26/2013 1913

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.34		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919			Analysis Date: 03/29/2013 0950			
	Prep Batch: 480-109794			Prep Date: 03/28/2013 1804			
Total Kjeldahl Nitrogen	0.42		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821			Analysis Date: 03/28/2013 1902			
	Prep Batch: 480-109452			Prep Date: 03/27/2013 1100			
Nitrate as N	0.39		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109525			Analysis Date: 03/27/2013 1529			
Chemical Oxygen Demand	14		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110050			Analysis Date: 03/29/2013 2108			
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110382			Analysis Date: 04/02/2013 0118			
	Prep Batch: 480-110291			Prep Date: 04/01/2013 1639			
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109341			Analysis Date: 03/26/2013 2215			
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-109685			Analysis Date: 03/28/2013 0849			
	Prep Batch: 480-109577			Prep Date: 03/27/2013 1701			
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109661			Analysis Date: 03/28/2013 2307			
Chloride	3.8		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109661			Analysis Date: 03/28/2013 2307			
Sulfate	27		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-110009			Analysis Date: 03/29/2013 2107			
Alkalinity, Total	340	B	mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-109590			Analysis Date: 03/27/2013 1523			
Hardness as calcium carbonate	350		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110487			Analysis Date: 04/02/2013 1300			
Total Dissolved Solids	360		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109555			Analysis Date: 03/27/2013 1922			
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109325			Analysis Date: 03/26/2013 1823			
Total Organic Carbon	1.3		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110454			Analysis Date: 04/02/2013 0754			
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	30		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109301			Analysis Date: 03/26/2013 1945			

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-17D

Lab Sample ID: 480-35108-17

Date Sampled: 03/27/2013 1140

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.14	J	mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919	Analysis Date: 03/29/2013 1000					
	Prep Batch: 480-109794	Prep Date: 03/28/2013 1804					
Total Kjeldahl Nitrogen	0.48		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821	Analysis Date: 03/28/2013 2006					
	Prep Batch: 480-109781	Prep Date: 03/28/2013 1643					
Nitrate as N	0.055		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109585	Analysis Date: 03/27/2013 2344					
Chemical Oxygen Demand	56		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110334	Analysis Date: 04/01/2013 2018					
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807	Analysis Date: 04/04/2013 0324					
	Prep Batch: 480-110755	Prep Date: 04/03/2013 1813					
Hexavalent chromium	0.0061	J	mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561	Analysis Date: 03/27/2013 1900					
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120	Analysis Date: 03/30/2013 1149					
	Prep Batch: 480-110020	Prep Date: 03/29/2013 1527					
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/29/2013 2358					
Chloride	5.5		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/29/2013 2358					
Sulfate	16		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/29/2013 2358					
Alkalinity, Total	180		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110563	Analysis Date: 04/02/2013 2331					
Hardness as calcium carbonate	58		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-110296	Analysis Date: 04/01/2013 1545					
Total Dissolved Solids	220		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109797	Analysis Date: 03/28/2013 1952					
Biochemical Oxygen Demand	17		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109557	Analysis Date: 03/27/2013 1920					
Total Organic Carbon	2.0		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110095	Analysis Date: 03/29/2013 1951					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	15		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109520	Analysis Date: 03/27/2013 1918					

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-13D

Lab Sample ID: 480-35108-18
 Client Matrix: Ground Water

Date Sampled: 03/27/2013 1225
 Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.24		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919		Analysis Date: 03/29/2013 1000				
	Prep Batch: 480-109794		Prep Date: 03/28/2013 1804				
Total Kjeldahl Nitrogen	0.46		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-110329		Analysis Date: 04/01/2013 1827				
	Prep Batch: 480-109996		Prep Date: 03/29/2013 0935				
Nitrate as N	0.024	J	mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109586		Analysis Date: 03/27/2013 2205				
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110774		Analysis Date: 04/03/2013 2039				
Phenolics, Total Recoverable	0.0063	J	mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807		Analysis Date: 04/04/2013 0407				
	Prep Batch: 480-110755		Prep Date: 04/03/2013 1813				
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561		Analysis Date: 03/27/2013 1900				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120		Analysis Date: 03/30/2013 1150				
	Prep Batch: 480-110020		Prep Date: 03/29/2013 1527				
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0008				
Chloride	0.98		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0008				
Sulfate	9.7		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0008				
Alkalinity, Total	160		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110761		Analysis Date: 04/03/2013 1427				
Hardness as calcium carbonate	110		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-110487		Analysis Date: 04/02/2013 1300				
Total Dissolved Solids	180		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109797		Analysis Date: 03/28/2013 1937				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109557		Analysis Date: 03/27/2013 1920				
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110454		Analysis Date: 04/02/2013 0953				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	10		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109520		Analysis Date: 03/27/2013 1933				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-13M

Lab Sample ID: 480-35108-19
Client Matrix: Ground Water

Date Sampled: 03/27/2013 1210
Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.12	J	mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919	Analysis Date: 03/29/2013 1001					
	Prep Batch: 480-109794	Prep Date: 03/28/2013 1804					
Total Kjeldahl Nitrogen	0.16	J	mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821	Analysis Date: 03/28/2013 2006					
	Prep Batch: 480-109781	Prep Date: 03/28/2013 1643					
Nitrate as N	0.024	J	mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109586	Analysis Date: 03/27/2013 2213					
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110774	Analysis Date: 04/03/2013 2039					
Phenolics, Total Recoverable	0.0050	J B	mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807	Analysis Date: 04/04/2013 0253					
	Prep Batch: 480-110555	Prep Date: 04/02/2013 2122					
Hexavalent chromium	0.0053	J	mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561	Analysis Date: 03/27/2013 1900					
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120	Analysis Date: 03/30/2013 1151					
	Prep Batch: 480-110020	Prep Date: 03/29/2013 1527					
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0018					
Chloride	0.53		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0018					
Sulfate	7.7		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0018					
Alkalinity, Total	160		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110563	Analysis Date: 04/02/2013 2355					
Hardness as calcium carbonate	140		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-110487	Analysis Date: 04/02/2013 1300					
Total Dissolved Solids	170		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-110330	Analysis Date: 04/01/2013 2242					
Biochemical Oxygen Demand	2.2	b	mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109748	Analysis Date: 03/28/2013 0928					
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110596	Analysis Date: 04/02/2013 1724					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	5.0		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109520	Analysis Date: 03/27/2013 1947					

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-19D

Lab Sample ID: 480-35108-20

Date Sampled: 03/27/2013 1245

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919		Analysis Date: 03/29/2013 1002				
	Prep Batch: 480-109794		Prep Date: 03/28/2013 1804				
Total Kjeldahl Nitrogen	0.16	J	mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821		Analysis Date: 03/28/2013 2006				
	Prep Batch: 480-109781		Prep Date: 03/28/2013 1643				
Nitrate as N	0.039	J	mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109586		Analysis Date: 03/27/2013 2216				
Chemical Oxygen Demand	8.5	J	mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110334		Analysis Date: 04/01/2013 2018				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807		Analysis Date: 04/04/2013 0253				
	Prep Batch: 480-110555		Prep Date: 04/02/2013 2122				
Hexavalent chromium	0.0087	J	mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561		Analysis Date: 03/27/2013 1900				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120		Analysis Date: 03/30/2013 1222				
	Prep Batch: 480-110020		Prep Date: 03/29/2013 1527				
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0029				
Chloride	2.7		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0029				
Sulfate	7.9		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0029				
Alkalinity, Total	140		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110407		Analysis Date: 04/02/2013 0511				
Hardness as calcium carbonate	110		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110487		Analysis Date: 04/02/2013 1300				
Total Dissolved Solids	180		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-109827		Analysis Date: 03/28/2013 2345				
Biochemical Oxygen Demand	8.8		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109557		Analysis Date: 03/27/2013 1920				
Total Organic Carbon	3.7		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110596		Analysis Date: 04/02/2013 1744				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	ND		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109520		Analysis Date: 03/27/2013 2002				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-16D

Lab Sample ID: 480-35108-21
Client Matrix: Ground Water

Date Sampled: 03/27/2013 1420
Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	0.25		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919	Analysis Date: 03/29/2013 1003					
	Prep Batch: 480-109794	Prep Date: 03/28/2013 1804					
Total Kjeldahl Nitrogen	0.26		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821	Analysis Date: 03/28/2013 2013					
	Prep Batch: 480-109781	Prep Date: 03/28/2013 1643					
Nitrate as N	0.023	J	mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109586	Analysis Date: 03/27/2013 2218					
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110334	Analysis Date: 04/01/2013 2018					
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807	Analysis Date: 04/04/2013 0253					
	Prep Batch: 480-110555	Prep Date: 04/02/2013 2122					
Hexavalent chromium	0.0078	J	mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561	Analysis Date: 03/27/2013 1900					
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120	Analysis Date: 03/30/2013 1153					
	Prep Batch: 480-110020	Prep Date: 03/29/2013 1527					
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0039					
Chloride	0.31	J	mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0039					
Sulfate	10		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0039					
Alkalinity, Total	150		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110407	Analysis Date: 04/02/2013 0517					
Hardness as calcium carbonate	130		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110717	Analysis Date: 04/03/2013 1200					
Total Dissolved Solids	190		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-110032	Analysis Date: 03/29/2013 2143					
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109557	Analysis Date: 03/27/2013 1920					
Total Organic Carbon	0.52	J	mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110596	Analysis Date: 04/02/2013 1804					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	15		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109520	Analysis Date: 03/27/2013 2017					

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-18M

Lab Sample ID: 480-35108-22
 Client Matrix: Ground Water

Date Sampled: 03/27/2013 1418
 Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-109919	Analysis Date: 03/29/2013 1004					
	Prep Batch: 480-109794	Prep Date: 03/28/2013 1804					
Total Kjeldahl Nitrogen	0.19	J	mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821	Analysis Date: 03/28/2013 2013					
	Prep Batch: 480-109781	Prep Date: 03/28/2013 1643					
Nitrate as N	ND		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109586	Analysis Date: 03/27/2013 2219					
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110334	Analysis Date: 04/01/2013 2018					
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807	Analysis Date: 04/04/2013 0245					
	Prep Batch: 480-110555	Prep Date: 04/02/2013 2122					
Hexavalent chromium	0.0053	J	mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561	Analysis Date: 03/27/2013 1900					
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120	Analysis Date: 03/30/2013 1154					
	Prep Batch: 480-110020	Prep Date: 03/29/2013 1527					
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0049					
Chloride	44		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0049					
Sulfate	9.7		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109999	Analysis Date: 03/30/2013 0049					
Alkalinity, Total	99		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110407	Analysis Date: 04/02/2013 0523					
Hardness as calcium carbonate	150		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110717	Analysis Date: 04/03/2013 1200					
Total Dissolved Solids	240		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-110032	Analysis Date: 03/29/2013 2144					
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109557	Analysis Date: 03/27/2013 1920					
Total Organic Carbon	ND		mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110596	Analysis Date: 04/02/2013 1823					
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	ND		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109520	Analysis Date: 03/27/2013 2032					

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

General Chemistry

Client Sample ID: PZ-14M

Lab Sample ID: 480-35108-23
 Client Matrix: Ground Water

Date Sampled: 03/27/2013 1220
 Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-110653		Analysis Date: 04/03/2013 1034				
	Prep Batch: 480-110483		Prep Date: 04/02/2013 1425				
Total Kjeldahl Nitrogen	ND		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821		Analysis Date: 03/28/2013 2013				
	Prep Batch: 480-109781		Prep Date: 03/28/2013 1643				
Nitrate as N	0.13		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109585		Analysis Date: 03/27/2013 2345				
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110334		Analysis Date: 04/01/2013 2018				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807		Analysis Date: 04/04/2013 0245				
	Prep Batch: 480-110555		Prep Date: 04/02/2013 2122				
Hexavalent chromium	ND		mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561		Analysis Date: 03/27/2013 1900				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120		Analysis Date: 03/30/2013 1155				
	Prep Batch: 480-110020		Prep Date: 03/29/2013 1527				
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0059				
Chloride	52		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0059				
Sulfate	16		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-109999		Analysis Date: 03/30/2013 0059				
Alkalinity, Total	150		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110407		Analysis Date: 04/02/2013 0529				
Hardness as calcium carbonate	200		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110717		Analysis Date: 04/03/2013 1200				
Total Dissolved Solids	290		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-110032		Analysis Date: 03/29/2013 2146				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109557		Analysis Date: 03/27/2013 1920				
Total Organic Carbon	0.74	J	mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110596		Analysis Date: 04/02/2013 1843				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	20		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109520		Analysis Date: 03/27/2013 2047				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

General Chemistry

Client Sample ID: Field Duplicate

Lab Sample ID: 480-35108-24FD
Client Matrix: Water

Date Sampled: 03/27/2013 1418
Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-110653		Analysis Date: 04/03/2013 1035				
	Prep Batch: 480-110483		Prep Date: 04/02/2013 1425				
Total Kjeldahl Nitrogen	ND		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821		Analysis Date: 03/28/2013 2019				
	Prep Batch: 480-109781		Prep Date: 03/28/2013 1643				
Nitrate as N	0.020	J	mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109586		Analysis Date: 03/27/2013 2221				
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110334		Analysis Date: 04/01/2013 2018				
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807		Analysis Date: 04/04/2013 0245				
	Prep Batch: 480-110555		Prep Date: 04/02/2013 2122				
Hexavalent chromium	0.0053	J	mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561		Analysis Date: 03/27/2013 1900				
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120		Analysis Date: 03/30/2013 1156				
	Prep Batch: 480-110020		Prep Date: 03/29/2013 1527				
Bromide	0.17	J	mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-110015		Analysis Date: 03/30/2013 0210				
Chloride	44		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-110015		Analysis Date: 03/30/2013 0210				
Sulfate	9.7		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-110015		Analysis Date: 03/30/2013 0210				
Alkalinity, Total	100		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110407		Analysis Date: 04/02/2013 0535				
Hardness as calcium carbonate	150		mg/L	2.6	10	1.0	SM 2340C
	Analysis Batch: 480-110717		Analysis Date: 04/03/2013 1200				
Total Dissolved Solids	310		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-110032		Analysis Date: 03/29/2013 2147				
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109557		Analysis Date: 03/27/2013 1920				
Total Organic Carbon	ND	^	mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110596		Analysis Date: 04/02/2013 1942				
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	10		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109520		Analysis Date: 03/27/2013 2102				

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

General Chemistry

Client Sample ID: Equipment Blank

Lab Sample ID: 480-35108-25EB

Date Sampled: 03/27/2013 1200

Client Matrix: Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	MDL	RL	Dil	Method
Ammonia	ND		mg/L	0.10	0.20	1.0	350.1
	Analysis Batch: 480-110653			Analysis Date: 04/03/2013 1037			
	Prep Batch: 480-110483			Prep Date: 04/02/2013 1425			
Total Kjeldahl Nitrogen	ND		mg/L	0.15	0.20	1.0	351.2
	Analysis Batch: 480-109821			Analysis Date: 03/28/2013 2019			
	Prep Batch: 480-109781			Prep Date: 03/28/2013 1643			
Nitrate as N	ND		mg/L	0.020	0.050	1.0	353.2
	Analysis Batch: 480-109586			Analysis Date: 03/27/2013 2240			
Chemical Oxygen Demand	ND		mg/L	5.0	10	1.0	410.4
	Analysis Batch: 480-110334			Analysis Date: 04/01/2013 2018			
Phenolics, Total Recoverable	ND		mg/L	0.0050	0.010	1.0	420.4
	Analysis Batch: 480-110807			Analysis Date: 04/04/2013 0407			
	Prep Batch: 480-110755			Prep Date: 04/03/2013 1813			
Hexavalent chromium	0.0078	J	mg/L	0.0050	0.010	1.0	7196A
	Analysis Batch: 480-109561			Analysis Date: 03/27/2013 1900			
Cyanide, Total	ND		mg/L	0.0050	0.010	1.0	9012A
	Analysis Batch: 480-110120			Analysis Date: 03/30/2013 1156			
	Prep Batch: 480-110020			Prep Date: 03/29/2013 1527			
Bromide	ND		mg/L	0.073	0.20	1.0	9056
	Analysis Batch: 480-110015			Analysis Date: 03/30/2013 0220			
Chloride	ND		mg/L	0.28	0.50	1.0	9056
	Analysis Batch: 480-110015			Analysis Date: 03/30/2013 0220			
Sulfate	ND		mg/L	0.35	2.0	1.0	9056
	Analysis Batch: 480-110015			Analysis Date: 03/30/2013 0220			
Alkalinity, Total	ND		mg/L	0.79	5.0	1.0	SM 2320B
	Analysis Batch: 480-110563			Analysis Date: 04/03/2013 0000			
Hardness as calcium carbonate	ND		mg/L	1.1	4.0	1.0	SM 2340C
	Analysis Batch: 480-110717			Analysis Date: 04/03/2013 1200			
Total Dissolved Solids	23		mg/L	4.0	10	1.0	SM 2540C
	Analysis Batch: 480-110032			Analysis Date: 03/29/2013 2149			
Biochemical Oxygen Demand	ND		mg/L	2.0	2.0	1.0	SM 5210B
	Analysis Batch: 480-109748			Analysis Date: 03/28/2013 0928			
Total Organic Carbon	ND	^	mg/L	0.43	1.0	1.0	SM 5310D
	Analysis Batch: 480-110596			Analysis Date: 04/02/2013 2002			
Analyte	Result	Qual	Units	RL	RL	Dil	Method
Color	ND		Color Units	5.0	5.0	1.0	SM 2120B
	Analysis Batch: 480-109725			Analysis Date: 03/28/2013 1153			

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-3M**

Lab Sample ID: 480-34951-1

Date Sampled: 03/25/2013 1152

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed Date Prepared
Field EH/ORP	177		millivolts	1.0	Field Sampling	480-109939	03/25/2013 1152
Field pH	7.49		SU	1.0	Field Sampling	480-109939	03/25/2013 1152
Field Temperature	7.3		Degrees C	1.0	Field Sampling	480-109939	03/25/2013 1152
Field Turbidity	356		NTU	1.0	Field Sampling	480-109939	03/25/2013 1152
Field Conductivity	238		umhos/cm	1.0	Field Sampling	480-109939	03/25/2013 1152
Well Depth	45.41		ft	1.0	Field Sampling	480-109939	03/25/2013 1152
Depth to Water from Top of Casing	15.38		ft	1.0	Field Sampling	480-109939	03/25/2013 1152

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab

Client Sample ID: PZ-1M

Lab Sample ID: 480-34951-2

Date Sampled: 03/25/2013 1155

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	277		millivolts	1.0	Field Sampling	480-109939	03/25/2013 1155	
Field pH	6.39		SU	1.0	Field Sampling	480-109939	03/25/2013 1155	
Field Temperature	6.1		Degrees C	1.0	Field Sampling	480-109939	03/25/2013 1155	
Field Turbidity	1.06		NTU	1.0	Field Sampling	480-109939	03/25/2013 1155	
Field Conductivity	372		umhos/cm	1.0	Field Sampling	480-109939	03/25/2013 1155	
Well Depth	90.47		ft	1.0	Field Sampling	480-109939	03/25/2013 1155	
Depth to Water from Top of Casing	63.18		ft	1.0	Field Sampling	480-109939	03/25/2013 1155	

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-6D**

Lab Sample ID: 480-34951-3

Date Sampled: 03/25/2013 1342

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	247		millivolts	1.0	Field Sampling	480-109939	03/25/2013	1342
Field pH	7.92		SU	1.0	Field Sampling	480-109939	03/25/2013	1342
Field Temperature	7.5		Degrees C	1.0	Field Sampling	480-109939	03/25/2013	1342
Field Turbidity	2.92		NTU	1.0	Field Sampling	480-109939	03/25/2013	1342
Field Conductivity	281		umhos/cm	1.0	Field Sampling	480-109939	03/25/2013	1342
Well Depth	68.40		ft	1.0	Field Sampling	480-109939	03/25/2013	1342
Depth to Water from Top of Casing	14.41		ft	1.0	Field Sampling	480-109939	03/25/2013	1342

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-6M**

Lab Sample ID: 480-34951-4

Date Sampled: 03/25/2013 1303

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	111		millivolts	1.0	Field Sampling	480-109939	03/25/2013	1303
Field pH	7.48		SU	1.0	Field Sampling	480-109939	03/25/2013	1303
Field Temperature	8.0		Degrees C	1.0	Field Sampling	480-109939	03/25/2013	1303
Field Turbidity	10.82		NTU	1.0	Field Sampling	480-109939	03/25/2013	1303
Field Conductivity	279		umhos/cm	1.0	Field Sampling	480-109939	03/25/2013	1303
Well Depth	33.01		ft	1.0	Field Sampling	480-109939	03/25/2013	1303
Depth to Water from Top of Casing	15.08		ft	1.0	Field Sampling	480-109939	03/25/2013	1303

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-9D**

Lab Sample ID: 480-34951-5

Date Sampled: 03/25/2013 1455

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	243		millivolts	1.0	Field Sampling	480-109939	03/25/2013	1455
Field pH	7.01		SU	1.0	Field Sampling	480-109939	03/25/2013	1455
Field Temperature	6.7		Degrees C	1.0	Field Sampling	480-109939	03/25/2013	1455
Field Turbidity	0.97		NTU	1.0	Field Sampling	480-109939	03/25/2013	1455
Field Conductivity	212		umhos/cm	1.0	Field Sampling	480-109939	03/25/2013	1455
Well Depth	118.55		ft	1.0	Field Sampling	480-109939	03/25/2013	1455
Depth to Water from Top of Casing	40.95		ft	1.0	Field Sampling	480-109939	03/25/2013	1455

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-9M**

Lab Sample ID: 480-34951-6

Date Sampled: 03/25/2013 1405

Client Matrix: Ground Water

Date Received: 03/25/2013 1745

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	223		millivolts	1.0	Field Sampling	480-109939	03/25/2013	1405
Field pH	7.00		SU	1.0	Field Sampling	480-109939	03/25/2013	1405
Field Temperature	7.2		Degrees C	1.0	Field Sampling	480-109939	03/25/2013	1405
Field Turbidity	0.71		NTU	1.0	Field Sampling	480-109939	03/25/2013	1405
Field Conductivity	192		umhos/cm	1.0	Field Sampling	480-109939	03/25/2013	1405
Well Depth	73.97		ft	1.0	Field Sampling	480-109939	03/25/2013	1405
Depth to Water from Top of Casing	34.59		ft	1.0	Field Sampling	480-109939	03/25/2013	1405

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-20M**

Lab Sample ID: 480-34997-17

Date Sampled: 03/26/2013 1238

Client Matrix: Ground Water

Date Received: 03/26/2013 1913

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	103		millivolts	1.0	Field Sampling	480-109939	03/26/2013	1238
Field pH	7.07		SU	1.0	Field Sampling	480-109939	03/26/2013	1238
Field Temperature	6.9		Degrees C	1.0	Field Sampling	480-109939	03/26/2013	1238
Field Turbidity	12.9		NTU	1.0	Field Sampling	480-109939	03/26/2013	1238
Field Conductivity	242		umhos/cm	1.0	Field Sampling	480-109939	03/26/2013	1238
Well Depth	34.50		ft	1.0	Field Sampling	480-109939	03/26/2013	1238
Depth to Water from Top of Casing	4.94		ft	1.0	Field Sampling	480-109939	03/26/2013	1238

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-10M**

Lab Sample ID: 480-34997-18

Date Sampled: 03/26/2013 1340

Client Matrix: Water

Date Received: 03/26/2013 1913

Analyte	Result	Qual	Units	Dil	Method	Analysis	Date Analyzed
						Batch	Date Prepared
Field EH/ORP	252		millivolts	1.0	Field Sampling	480-109939	03/26/2013 1340
Field pH	7.42		SU	1.0	Field Sampling	480-109939	03/26/2013 1340
Field Temperature	7.8		Degrees C	1.0	Field Sampling	480-109939	03/26/2013 1340
Field Turbidity	19.9		NTU	1.0	Field Sampling	480-109939	03/26/2013 1340
Field Conductivity	276		umhos/cm	1.0	Field Sampling	480-109939	03/26/2013 1340
Well Depth	34.28		ft	1.0	Field Sampling	480-109939	03/26/2013 1340
Depth to Water from Top of Casing	22.40		ft	1.0	Field Sampling	480-109939	03/26/2013 1340

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab

Client Sample ID: DRAIN TILE 2

Lab Sample ID: 480-34997-19

Date Sampled: 03/26/2013 1450

Client Matrix: Water

Date Received: 03/26/2013 1913

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	210		millivolts	1.0	Field Sampling	480-109939	03/26/2013 1450	
Field pH	6.58		SU	1.0	Field Sampling	480-109939	03/26/2013 1450	
Field Temperature	8.6		Degrees C	1.0	Field Sampling	480-109939	03/26/2013 1450	
Field Turbidity	0.62		NTU	1.0	Field Sampling	480-109939	03/26/2013 1450	
Field Conductivity	568		umhos/cm	1.0	Field Sampling	480-109939	03/26/2013 1450	

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-17D**

Lab Sample ID: 480-35108-17

Date Sampled: 03/27/2013 1140

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	206		millivolts	1.0	Field Sampling	480-109939	03/27/2013	1140
Field pH	10.04		SU	1.0	Field Sampling	480-109939	03/27/2013	1140
Field Temperature	6.5		Degrees C	1.0	Field Sampling	480-109939	03/27/2013	1140
Field Turbidity	9.85		NTU	1.0	Field Sampling	480-109939	03/27/2013	1140
Field Conductivity	233		umhos/cm	1.0	Field Sampling	480-109939	03/27/2013	1140
Well Depth	108.00		ft	1.0	Field Sampling	480-109939	03/27/2013	1140
Depth to Water from Top of Casing	34.72		ft	1.0	Field Sampling	480-109939	03/27/2013	1140

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-13D**

Lab Sample ID: 480-35108-18

Date Sampled: 03/27/2013 1225

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	264		millivolts	1.0	Field Sampling	480-109939	03/27/2013	1225
Field pH	7.70		SU	1.0	Field Sampling	480-109939	03/27/2013	1225
Field Temperature	7.9		Degrees C	1.0	Field Sampling	480-109939	03/27/2013	1225
Field Turbidity	2.86		NTU	1.0	Field Sampling	480-109939	03/27/2013	1225
Field Conductivity	270		umhos/cm	1.0	Field Sampling	480-109939	03/27/2013	1225
Well Depth	133.28		ft	1.0	Field Sampling	480-109939	03/27/2013	1225
Depth to Water from Top of Casing	72.53		ft	1.0	Field Sampling	480-109939	03/27/2013	1225

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-13M**

Lab Sample ID: 480-35108-19

Date Sampled: 03/27/2013 1210

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	279		millivolts	1.0	Field Sampling	480-109939	03/27/2013	1210
Field pH	7.56		SU	1.0	Field Sampling	480-109939	03/27/2013	1210
Field Temperature	7.6		Degrees C	1.0	Field Sampling	480-109939	03/27/2013	1210
Field Turbidity	2.55		NTU	1.0	Field Sampling	480-109939	03/27/2013	1210
Field Conductivity	227		umhos/cm	1.0	Field Sampling	480-109939	03/27/2013	1210
Well Depth	110.77		ft	1.0	Field Sampling	480-109939	03/27/2013	1210
Depth to Water from Top of Casing	71.78		ft	1.0	Field Sampling	480-109939	03/27/2013	1210

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab

Client Sample ID: PZ-19D

Lab Sample ID: 480-35108-20

Date Sampled: 03/27/2013 1245

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	217		millivolts	1.0	Field Sampling	480-109939	03/27/2013	1245
Field pH	7.34		SU	1.0	Field Sampling	480-109939	03/27/2013	1245
Field Temperature	6.1		Degrees C	1.0	Field Sampling	480-109939	03/27/2013	1245
Field Turbidity	3.87		NTU	1.0	Field Sampling	480-109939	03/27/2013	1245
Field Conductivity	270		umhos/cm	1.0	Field Sampling	480-109939	03/27/2013	1245
Well Depth	133.35		ft	1.0	Field Sampling	480-109939	03/27/2013	1245
Depth to Water from Top of Casing	76.51		ft	1.0	Field Sampling	480-109939	03/27/2013	1245

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab

Client Sample ID: PZ-16D

Lab Sample ID: 480-35108-21

Date Sampled: 03/27/2013 1420

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	224		millivolts	1.0	Field Sampling	480-109939	03/27/2013	1420
Field pH	7.67		SU	1.0	Field Sampling	480-109939	03/27/2013	1420
Field Temperature	7.9		Degrees C	1.0	Field Sampling	480-109939	03/27/2013	1420
Field Turbidity	4.80		NTU	1.0	Field Sampling	480-109939	03/27/2013	1420
Field Conductivity	209		umhos/cm	1.0	Field Sampling	480-109939	03/27/2013	1420
Well Depth	55.40		ft	1.0	Field Sampling	480-109939	03/27/2013	1420
Depth to Water from Top of Casing	34.29		ft	1.0	Field Sampling	480-109939	03/27/2013	1420

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab**Client Sample ID: PZ-18M**

Lab Sample ID: 480-35108-22

Date Sampled: 03/27/2013 1418

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	252		millivolts	1.0	Field Sampling	480-109939	03/27/2013 1418	
Field pH	7.59		SU	1.0	Field Sampling	480-109939	03/27/2013 1418	
Field Temperature	7.4		Degrees C	1.0	Field Sampling	480-109939	03/27/2013 1418	
Field Turbidity	4.94		NTU	1.0	Field Sampling	480-109939	03/27/2013 1418	
Field Conductivity	309		umhos/cm	1.0	Field Sampling	480-109939	03/27/2013 1418	
Well Depth	50.00		ft	1.0	Field Sampling	480-109939	03/27/2013 1418	
Depth to Water from Top of Casing	16.71		ft	1.0	Field Sampling	480-109939	03/27/2013 1418	

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab

Client Sample ID: PZ-14M

Lab Sample ID: 480-35108-23

Date Sampled: 03/27/2013 1220

Client Matrix: Ground Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	276		millivolts	1.0	Field Sampling	480-109939	03/27/2013	1220
Field pH	7.90		SU	1.0	Field Sampling	480-109939	03/27/2013	1220
Field Temperature	6.9		Degrees C	1.0	Field Sampling	480-109939	03/27/2013	1220
Field Turbidity	30.4		NTU	1.0	Field Sampling	480-109939	03/27/2013	1220
Field Conductivity	426		umhos/cm	1.0	Field Sampling	480-109939	03/27/2013	1220
Well Depth	33.50		ft	1.0	Field Sampling	480-109939	03/27/2013	1220
Depth to Water from Top of Casing	25.93		ft	1.0	Field Sampling	480-109939	03/27/2013	1220

Analytical Data

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Field Service / Mobile Lab

Client Sample ID: **Field Duplicate**

Lab Sample ID: 480-35108-24FD

Date Sampled: 03/27/2013 1418

Client Matrix: Water

Date Received: 03/27/2013 1828

Analyte	Result	Qual	Units	Dil	Method	Analysis Batch	Date Analyzed	Date Prepared
Field EH/ORP	252		millivolts	1.0	Field Sampling	480-109939	03/27/2013	1418
Field pH	7.59		SU	1.0	Field Sampling	480-109939	03/27/2013	1418
Field Temperature	7.4		Degrees C	1.0	Field Sampling	480-109939	03/27/2013	1418
Field Turbidity	4.94		NTU	1.0	Field Sampling	480-109939	03/27/2013	1418
Field Conductivity	309		umhos/cm	1.0	Field Sampling	480-109939	03/27/2013	1418
Well Depth	50.00		ft	1.0	Field Sampling	480-109939	03/27/2013	1418
Depth to Water from Top of Casing	16.71		ft	1.0	Field Sampling	480-109939	03/27/2013	1418

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-34951-1	PZ-3M	110	103	97
480-34951-2	PZ-1M	105	101	98
480-34951-3	PZ-6D	110	102	96
480-34951-4	PZ-6M	109	101	97
480-34951-5	PZ-9D	112	101	95
480-34951-6	PZ-9M	109	103	99
480-34951-7	Trip Blank	107	101	97
480-34997-17	PZ-20M	104	98	91
480-34997-18	PZ-10M	108	99	93
480-34997-19	DRAIN TILE 2	104	95	89
480-34997-20	Trip Blank	103	97	93
480-35108-17	PZ-17D	95	93	114
480-35108-18	PZ-13D	96	91	111
480-35108-19	PZ-13M	97	93	113
480-35108-20	PZ-19D	100	90	112
480-35108-21	PZ-16D	94	91	114
480-35108-22	PZ-18M	95	92	112
480-35108-23	PZ-14M	98	94	115
480-35108-24	Field Duplicate	95	91	110
480-35108-25	Equipment Blank	93	92	110
480-35108-26	Trip Blank	95	91	112
MB 480-109569/4		110	103	98
MB 480-109700/4		106	103	96
MB 480-109803/5		106	100	94
MB 480-109878/5		93	91	113
LCS 480-109569/3		109	102	96
LCS 480-109700/3		107	104	95
LCS 480-109803/4		107	104	95
LCS 480-109878/4		92	91	112

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-34997-19 MS	DRAIN TILE 2 MS	101	95	90
480-34997-19 MSD	DRAIN TILE 2 MSD	102	96	90

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109569

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-109569/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/27/2013 2359
 Prep Date: 03/27/2013 2359
 Leach Date: N/A

Analysis Batch: 480-109569
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973Q
 Lab File ID: Q6492.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109569

**Method: 8260B
Preparation: 5030B**

Lab Sample ID: MB 480-109569/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/27/2013 2359
 Prep Date: 03/27/2013 2359
 Leach Date: N/A

Analysis Batch: 480-109569
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973Q
 Lab File ID: Q6492.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110	66 - 137
Toluene-d8 (Surr)	103	71 - 126
4-Bromofluorobenzene (Surr)	98	73 - 120

Lab Control Sample - Batch: 480-109569

**Method: 8260B
Preparation: 5030B**

Lab Sample ID: LCS 480-109569/3
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/27/2013 2332
 Prep Date: 03/27/2013 2332
 Leach Date: N/A

Analysis Batch: 480-109569
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973Q
 Lab File ID: Q6491.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.3	97	71 - 129	
1,1-Dichloroethene	25.0	21.2	85	58 - 121	
1,2-Dichlorobenzene	25.0	25.2	101	80 - 124	
1,2-Dichloroethane	25.0	25.2	101	75 - 127	
Benzene	25.0	24.5	98	71 - 124	
Chlorobenzene	25.0	24.9	99	72 - 120	
cis-1,2-Dichloroethene	25.0	24.3	97	74 - 124	
Ethylbenzene	25.0	24.6	98	77 - 123	
Tetrachloroethene	25.0	23.6	94	74 - 122	
Toluene	25.0	23.8	95	80 - 122	
trans-1,2-Dichloroethene	25.0	25.5	102	73 - 127	
Trichloroethene	25.0	23.7	95	74 - 123	
m,p-Xylene	50.0	48.8	98	76 - 122	
o-Xylene	25.0	24.1	97	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109	66 - 137
Toluene-d8 (Surr)	102	71 - 126
4-Bromofluorobenzene (Surr)	96	73 - 120

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109700

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-109700/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/28/2013 1207
 Prep Date: 03/28/2013 1207
 Leach Date: N/A

Analysis Batch: 480-109700
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973Q
 Lab File ID: Q6518.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109700

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 480-109700/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1207
Prep Date: 03/28/2013 1207
Leach Date: N/A

Analysis Batch: 480-109700
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q6518.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	66 - 137
Toluene-d8 (Surr)	103	71 - 126
4-Bromofluorobenzene (Surr)	96	73 - 120

Lab Control Sample - Batch: 480-109700

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 480-109700/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1140
Prep Date: 03/28/2013 1140
Leach Date: N/A

Analysis Batch: 480-109700
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: HP5973Q
Lab File ID: Q6517.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	24.4	98	71 - 129	
1,1-Dichloroethene	25.0	21.4	85	58 - 121	
1,2-Dichlorobenzene	25.0	24.8	99	80 - 124	
1,2-Dichloroethane	25.0	25.0	100	75 - 127	
Benzene	25.0	23.8	95	71 - 124	
Chlorobenzene	25.0	24.3	97	72 - 120	
cis-1,2-Dichloroethene	25.0	24.3	97	74 - 124	
Ethylbenzene	25.0	24.1	96	77 - 123	
Tetrachloroethene	25.0	23.2	93	74 - 122	
Toluene	25.0	23.7	95	80 - 122	
trans-1,2-Dichloroethene	25.0	24.8	99	73 - 127	
Trichloroethene	25.0	23.5	94	74 - 123	
m,p-Xylene	50.0	47.1	94	76 - 122	
o-Xylene	25.0	23.5	94	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	66 - 137
Toluene-d8 (Surr)	104	71 - 126
4-Bromofluorobenzene (Surr)	95	73 - 120

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109803

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-109803/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/28/2013 2229
 Prep Date: 03/28/2013 2229
 Leach Date: N/A

Analysis Batch: 480-109803
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973N
 Lab File ID: N5073.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109803

**Method: 8260B
Preparation: 5030B**

Lab Sample ID: MB 480-109803/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/28/2013 2229
 Prep Date: 03/28/2013 2229
 Leach Date: N/A

Analysis Batch: 480-109803
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973N
 Lab File ID: N5073.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	66 - 137
Toluene-d8 (Surr)	100	71 - 126
4-Bromofluorobenzene (Surr)	94	73 - 120

Lab Control Sample - Batch: 480-109803

**Method: 8260B
Preparation: 5030B**

Lab Sample ID: LCS 480-109803/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/28/2013 2206
 Prep Date: 03/28/2013 2206
 Leach Date: N/A

Analysis Batch: 480-109803
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973N
 Lab File ID: N5072.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	25.1	100	71 - 129	
1,1-Dichloroethene	25.0	23.5	94	58 - 121	
1,2-Dichlorobenzene	25.0	26.8	107	80 - 124	
1,2-Dichloroethane	25.0	26.0	104	75 - 127	
Benzene	25.0	26.2	105	71 - 124	
Chlorobenzene	25.0	26.2	105	72 - 120	
cis-1,2-Dichloroethene	25.0	26.0	104	74 - 124	
Ethylbenzene	25.0	26.7	107	77 - 123	
Tetrachloroethene	25.0	25.6	102	74 - 122	
Toluene	25.0	26.3	105	80 - 122	
trans-1,2-Dichloroethene	25.0	27.3	109	73 - 127	
Trichloroethene	25.0	25.2	101	74 - 123	
m,p-Xylene	50.0	53.0	106	76 - 122	
o-Xylene	25.0	25.5	102	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	66 - 137
Toluene-d8 (Surr)	104	71 - 126
4-Bromofluorobenzene (Surr)	95	73 - 120

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109803**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0649
Prep Date: 03/29/2013 0649
Leach Date: N/A

Analysis Batch: 480-109803
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973N
Lab File ID: N5093.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0712
Prep Date: 03/29/2013 0712
Leach Date: N/A

Analysis Batch: 480-109803
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973N
Lab File ID: N5094.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	107	105	71 - 129	2	20		
1,1-Dichloroethene	102	98	58 - 121	4	16		
1,2-Dichlorobenzene	109	104	80 - 124	5	20		
1,2-Dichloroethane	109	106	75 - 127	3	20		
Benzene	110	107	71 - 124	3	13		
Chlorobenzene	108	104	72 - 120	4	25		
cis-1,2-Dichloroethene	109	108	74 - 124	1	15		
Ethylbenzene	109	101	77 - 123	7	15		
Tetrachloroethene	105	97	74 - 122	8	20		
Toluene	106	102	80 - 122	4	15		
trans-1,2-Dichloroethene	115	109	73 - 127	5	20		
Trichloroethene	108	104	74 - 123	3	16		
m,p-Xylene	107	102	76 - 122	5	16		
o-Xylene	103	98	76 - 122	4	16		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		101	102			66 - 137	
Toluene-d8 (Surr)		95	96			71 - 126	
4-Bromofluorobenzene (Surr)		90	90			73 - 120	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109803**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 480-34997-19 Units: ug/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0649
Prep Date: 03/29/2013 0649
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0712
Prep Date: 03/29/2013 0712
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	25.0	25.0	26.7	26.2
1,1-Dichloroethene	ND	25.0	25.0	25.4	24.4
1,2-Dichlorobenzene	ND	25.0	25.0	27.2	25.9
1,2-Dichloroethane	ND	25.0	25.0	27.3	26.5
Benzene	ND	25.0	25.0	27.6	26.8
Chlorobenzene	ND	25.0	25.0	26.9	26.0
cis-1,2-Dichloroethene	ND	25.0	25.0	27.3	26.9
Ethylbenzene	ND	25.0	25.0	27.1	25.3
Tetrachloroethene	ND	25.0	25.0	26.3	24.2
Toluene	ND	25.0	25.0	26.5	25.6
trans-1,2-Dichloroethene	ND	25.0	25.0	28.7	27.3
Trichloroethene	ND	25.0	25.0	27.0	26.1
m,p-Xylene	ND	50.0	50.0	53.5	50.8
o-Xylene	ND	25.0	25.0	25.7	24.6

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109878

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-109878/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/29/2013 1033
 Prep Date: 03/29/2013 1033
 Leach Date: N/A

Analysis Batch: 480-109878
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973C
 Lab File ID: C27701.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1,2-Tetrachloroethane	ND		0.35	1.0
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,3-Trichloropropane	ND		0.89	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Hexanone	ND		1.2	5.0
2-Butanone (MEK)	ND		1.3	10
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Acrylonitrile	ND		0.83	5.0
Benzene	ND		0.41	1.0
Bromochloromethane	ND		0.87	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Dibromochloromethane	ND		0.32	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Dibromomethane	ND		0.41	1.0
Ethylbenzene	ND		0.74	1.0
Iodomethane	ND		0.30	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
trans-1,4-Dichloro-2-butene	ND		2.1	5.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0
Vinyl acetate	ND		0.85	5.0

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109878

**Method: 8260B
Preparation: 5030B**

Lab Sample ID: MB 480-109878/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/29/2013 1033
 Prep Date: 03/29/2013 1033
 Leach Date: N/A

Analysis Batch: 480-109878
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973C
 Lab File ID: C27701.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0
m,p-Xylene	ND		0.66	2.0
o-Xylene	ND		0.76	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	66 - 137
Toluene-d8 (Surr)	91	71 - 126
4-Bromofluorobenzene (Surr)	113	73 - 120

Lab Control Sample - Batch: 480-109878

**Method: 8260B
Preparation: 5030B**

Lab Sample ID: LCS 480-109878/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/29/2013 1008
 Prep Date: 03/29/2013 1008
 Leach Date: N/A

Analysis Batch: 480-109878
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973C
 Lab File ID: C27700.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	26.5	106	71 - 129	
1,1-Dichloroethene	25.0	25.1	100	58 - 121	
1,2-Dichlorobenzene	25.0	23.6	94	80 - 124	
1,2-Dichloroethane	25.0	28.3	113	75 - 127	
Benzene	25.0	28.0	112	71 - 124	
Chlorobenzene	25.0	25.9	103	72 - 120	
cis-1,2-Dichloroethene	25.0	28.4	114	74 - 124	
Ethylbenzene	25.0	25.0	100	77 - 123	
Tetrachloroethene	25.0	26.7	107	74 - 122	
Toluene	25.0	25.4	101	80 - 122	
trans-1,2-Dichloroethene	25.0	29.0	116	73 - 127	
Trichloroethene	25.0	29.3	117	74 - 123	
m,p-Xylene	50.0	52.2	104	76 - 122	
o-Xylene	25.0	25.3	101	76 - 122	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	66 - 137
Toluene-d8 (Surr)	91	71 - 126
4-Bromofluorobenzene (Surr)	112	73 - 120

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109283

Method: 6010B

Preparation: 3005A

Lab Sample ID: MB 480-109283/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/27/2013 1307
 Prep Date: 03/27/2013 0710
 Leach Date: N/A

Analysis Batch: 480-109619
 Prep Batch: 480-109283
 Leach Batch: N/A
 Units: mg/L

Instrument ID: ICAP1
 Lab File ID: I1032713A-7.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	ND		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	ND		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	ND		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	ND		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	ND		0.043	0.20
Manganese	ND		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	ND		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	ND		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Control Sample - Batch: 480-109283

Method: 6010B

Preparation: 3005A

Lab Sample ID: LCS 480-109283/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/27/2013 1309
 Prep Date: 03/27/2013 0710
 Leach Date: N/A

Analysis Batch: 480-109619
 Prep Batch: 480-109283
 Leach Batch: N/A
 Units: mg/L

Instrument ID: ICAP1
 Lab File ID: I1032713A-7.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10.0	10.0	100	80 - 120	
Antimony	0.200	0.202	101	80 - 120	
Arsenic	0.200	0.200	100	80 - 120	
Barium	0.200	0.211	105	80 - 120	
Beryllium	0.200	0.207	103	80 - 120	
Boron	0.200	0.205	103	80 - 120	
Cadmium	0.200	0.205	102	80 - 120	
Calcium	10.0	10.2	102	80 - 120	
Chromium	0.200	0.203	102	80 - 120	
Cobalt	0.200	0.201	101	80 - 120	
Copper	0.200	0.201	100	80 - 120	
Iron	10.0	10.1	101	80 - 120	
Lead	0.200	0.198	99	80 - 120	
Magnesium	10.0	10.1	101	80 - 120	
Manganese	0.200	0.204	102	80 - 120	
Nickel	0.200	0.198	99	80 - 120	
Potassium	10.0	10.0	100	80 - 120	
Selenium	0.200	0.202	101	80 - 120	
Silver	0.0500	0.0524	105	80 - 120	
Sodium	10.0	9.97	100	80 - 120	
Thallium	0.200	0.196	98	80 - 120	
Vanadium	0.200	0.210	105	80 - 120	
Zinc	0.200	0.207	103	80 - 120	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Post Digestion Spike - Batch: 480-109283

Method: 6010B

Preparation: 3005A

Lab Sample ID: 480-34951-3	Analysis Batch: 480-109619	Instrument ID: ICAP1
Client Matrix: Water	Prep Batch: 480-109283	Lab File ID: I1032713A-7.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 03/27/2013 1325	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 03/27/2013 0710		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	0.11 J	10.0	10.4	103	75 - 125	
Antimony	ND	0.200	0.196	98	75 - 125	
Arsenic	ND	0.200	0.201	101	75 - 125	
Barium	0.15	0.200	0.357	104	75 - 125	
Beryllium	ND	0.200	0.204	102	75 - 125	
Boron	0.10	0.200	0.309	102	75 - 125	
Cadmium	ND	0.200	0.200	100	75 - 125	
Calcium	33	10.0	42.5	93	75 - 125	
Chromium	0.0013 J	0.200	0.199	99	75 - 125	
Cobalt	ND	0.200	0.198	99	75 - 125	
Copper	ND	0.200	0.197	99	75 - 125	
Iron	0.35	10.0	10.2	98	75 - 125	
Lead	ND	0.200	0.195	97	75 - 125	
Magnesium	9.6	10.0	19.4	98	75 - 125	
Manganese	0.057	0.200	0.256	99	75 - 125	
Nickel	ND	0.200	0.195	98	75 - 125	
Potassium	2.8	10.0	13.1	103	75 - 125	
Selenium	ND	0.200	0.199	100	75 - 125	
Silver	ND	0.0500	0.0538	108	75 - 125	
Sodium	18	10.0	28.1	97	75 - 125	
Thallium	ND	0.200	0.191	95	75 - 125	
Vanadium	ND	0.200	0.211	105	75 - 125	
Zinc	0.0025 J	0.200	0.206	102	75 - 125	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109283**

**Method: 6010B
Preparation: 3005A**

MS Lab Sample ID: 480-34951-3	Analysis Batch: 480-109619	Instrument ID: ICAP1
Client Matrix: Water	Prep Batch: 480-109283	Lab File ID: I1032713A-7.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 03/27/2013 1327		Final Weight/Volume: 50 mL
Prep Date: 03/27/2013 0710		
Leach Date: N/A		

MSD Lab Sample ID: 480-34951-3	Analysis Batch: 480-109619	Instrument ID: ICAP1
Client Matrix: Water	Prep Batch: 480-109283	Lab File ID: I1032713A-7.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 03/27/2013 1330		Final Weight/Volume: 50 mL
Prep Date: 03/27/2013 0710		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aluminum	101	102	75 - 125	2	20		
Antimony	100	102	75 - 125	1	20		
Arsenic	102	103	75 - 125	1	20		
Barium	103	106	75 - 125	2	20		
Beryllium	104	105	75 - 125	1	20		
Boron	101	103	75 - 125	2	20		
Cadmium	102	104	75 - 125	1	20		
Calcium	101	107	75 - 125	1	20		
Chromium	100	102	75 - 125	2	20		
Cobalt	101	103	75 - 125	1	20		
Copper	100	102	75 - 125	2	20		
Iron	100	101	75 - 125	1	20		
Lead	100	102	75 - 125	1	20		
Magnesium	100	104	75 - 125	2	20		
Manganese	101	104	75 - 125	2	20		
Nickel	99	101	75 - 125	2	20		
Potassium	101	102	75 - 125	1	20		
Selenium	101	104	75 - 125	2	20		
Silver	106	110	75 - 125	3	20		
Sodium	99	104	75 - 125	1	20		
Thallium	98	99	75 - 125	1	20		
Vanadium	106	108	75 - 125	2	20		
Zinc	102	104	75 - 125	2	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109283**

**Method: 6010B
Preparation: 3005A**

MS Lab Sample ID: 480-34951-3 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1327
Prep Date: 03/27/2013 0710
Leach Date: N/A

MSD Lab Sample ID: 480-34951-3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1330
Prep Date: 03/27/2013 0710
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aluminum	0.11 J	10.0	10.0	10.2	10.3
Antimony	ND	0.200	0.200	0.201	0.204
Arsenic	ND	0.200	0.200	0.204	0.206
Barium	0.15	0.200	0.200	0.355	0.361
Beryllium	ND	0.200	0.200	0.208	0.210
Boron	0.10	0.200	0.200	0.306	0.312
Cadmium	ND	0.200	0.200	0.205	0.208
Calcium	33	10.0	10.0	43.3	43.8
Chromium	0.0013 J	0.200	0.200	0.202	0.206
Cobalt	ND	0.200	0.200	0.202	0.205
Copper	ND	0.200	0.200	0.200	0.204
Iron	0.35	10.0	10.0	10.3	10.5
Lead	ND	0.200	0.200	0.201	0.203
Magnesium	9.6	10.0	10.0	19.6	20.0
Manganese	0.057	0.200	0.200	0.259	0.264
Nickel	ND	0.200	0.200	0.199	0.202
Potassium	2.8	10.0	10.0	12.9	13.0
Selenium	ND	0.200	0.200	0.203	0.208
Silver	ND	0.0500	0.0500	0.0531	0.0548
Sodium	18	10.0	10.0	28.3	28.7
Thallium	ND	0.200	0.200	0.196	0.199
Vanadium	ND	0.200	0.200	0.212	0.216
Zinc	0.0025 J	0.200	0.200	0.207	0.211

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Serial Dilution - Batch: 480-109283

Method: 6010B

Preparation: 3005A

Lab Sample ID: 480-34951-3

Analysis Batch: 480-109619

Instrument ID: ICAP1

Client Matrix: Water

Prep Batch: 480-109283

Lab File ID: I1032713A-7.asc

Dilution: 5.0

Leach Batch: N/A

Initial Weight/Volume: 50 mL

Analysis Date: 03/27/2013 1323

Units: mg/L

Final Weight/Volume: 50 mL

Prep Date: 03/27/2013 0710

Leach Date: N/A

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	0.11 J	ND	NC	10	
Antimony	ND	ND	NC	10	
Arsenic	ND	ND	NC	10	
Barium	0.15	0.150	0.92	10	
Beryllium	ND	ND	NC	10	
Boron	0.10	0.104	0.96	10	
Cadmium	ND	ND	NC	10	
Calcium	33	33.6	1.3	10	
Chromium	0.0013 J	ND	NC	10	
Cobalt	ND	ND	NC	10	
Copper	ND	ND	NC	10	
Iron	0.35	0.337	NC	10	
Lead	ND	ND	NC	10	
Magnesium	9.6	9.58	0.23	10	
Manganese	0.057	0.0575	0.67	10	
Nickel	ND	ND	NC	10	
Potassium	2.8	2.75	2.0	10	
Selenium	ND	ND	NC	10	
Silver	ND	ND	NC	10	
Sodium	18	18.4	0.29	10	
Thallium	ND	ND	NC	10	
Vanadium	ND	ND	NC	10	
Zinc	0.0025 J	ND	NC	10	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109404

Method: 6010B

Preparation: 3005A

Lab Sample ID: MB 480-109404/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 2032
Prep Date: 03/27/2013 1010
Leach Date: N/A

Analysis Batch: 480-109652
Prep Batch: 480-109404
Leach Batch: N/A
Units: mg/L

Instrument ID: ICAP2
Lab File ID: I2032713B-5.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	ND		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	ND		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	ND		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	ND		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	ND		0.043	0.20
Manganese	ND		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	ND		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	ND		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Control Sample - Batch: 480-109404

Method: 6010B

Preparation: 3005A

Lab Sample ID: LCS 480-109404/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/27/2013 2034
 Prep Date: 03/27/2013 1010
 Leach Date: N/A

Analysis Batch: 480-109652
 Prep Batch: 480-109404
 Leach Batch: N/A
 Units: mg/L

Instrument ID: ICAP2
 Lab File ID: I2032713B-5.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10.0	9.86	99	80 - 120	
Antimony	0.200	0.199	99	80 - 120	
Arsenic	0.200	0.198	99	80 - 120	
Barium	0.200	0.210	105	80 - 120	
Beryllium	0.200	0.204	102	80 - 120	
Boron	0.200	0.201	100	80 - 120	
Cadmium	0.200	0.202	101	80 - 120	
Calcium	10.0	10.1	101	80 - 120	
Chromium	0.200	0.207	103	80 - 120	
Cobalt	0.200	0.202	101	80 - 120	
Copper	0.200	0.200	100	80 - 120	
Iron	10.0	9.80	98	80 - 120	
Lead	0.200	0.201	100	80 - 120	
Magnesium	10.0	10.1	101	80 - 120	
Manganese	0.200	0.207	103	80 - 120	
Nickel	0.200	0.199	100	80 - 120	
Potassium	10.0	10.1	101	80 - 120	
Selenium	0.200	0.210	105	80 - 120	
Silver	0.0500	0.0533	107	80 - 120	
Sodium	10.0	10.0	100	80 - 120	
Thallium	0.200	0.199	99	80 - 120	
Vanadium	0.200	0.203	102	80 - 120	
Zinc	0.200	0.209	105	80 - 120	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Post Digestion Spike - Batch: 480-109404

Method: 6010B

Preparation: 3005A

Lab Sample ID: 480-34997-19	Analysis Batch: 480-109652	Instrument ID: ICAP2
Client Matrix: Water	Prep Batch: 480-109404	Lab File ID: I2032713B-5.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 03/27/2013 2050	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 03/27/2013 1010		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	0.23	10.0	10.1	98	75 - 125	
Antimony	ND	0.200	0.201	101	75 - 125	
Arsenic	ND	0.200	0.209	104	75 - 125	
Barium	0.12	0.200	0.326	102	75 - 125	
Beryllium	ND	0.200	0.206	103	75 - 125	
Boron	0.33	0.200	0.526	96	75 - 125	
Cadmium	ND	0.200	0.208	104	75 - 125	
Calcium	99	10.0	105	64	75 - 125	W
Chromium	0.0012 J	0.200	0.217	108	75 - 125	
Cobalt	ND	0.200	0.210	105	75 - 125	
Copper	0.0020 J	0.200	0.210	104	75 - 125	
Iron	3.7	10.0	13.1	94	75 - 125	
Lead	ND	0.200	0.207	104	75 - 125	
Magnesium	22	10.0	31.8	95	75 - 125	
Manganese	0.51	0.200	0.692	91	75 - 125	
Nickel	ND	0.200	0.208	104	75 - 125	
Potassium	2.6	10.0	12.5	99	75 - 125	
Selenium	ND	0.200	0.221	111	75 - 125	
Silver	ND	0.0500	0.0567	113	75 - 125	
Sodium	7.3	10.0	17.2	100	75 - 125	
Thallium	ND	0.200	0.205	102	75 - 125	
Vanadium	ND	0.200	0.207	103	75 - 125	
Zinc	0.0017 J	0.200	0.211	105	75 - 125	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109404**

**Method: 6010B
Preparation: 3005A**

MS Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 2052
Prep Date: 03/27/2013 1010
Leach Date: N/A

Analysis Batch: 480-109652
Prep Batch: 480-109404
Leach Batch: N/A

Instrument ID: ICAP2
Lab File ID: I2032713B-5.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 2055
Prep Date: 03/27/2013 1010
Leach Date: N/A

Analysis Batch: 480-109652
Prep Batch: 480-109404
Leach Batch: N/A

Instrument ID: ICAP2
Lab File ID: I2032713B-5.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aluminum	100	101	75 - 125	2	20		
Antimony	101	102	75 - 125	1	20		
Arsenic	105	104	75 - 125	1	20		
Barium	103	104	75 - 125	0	20		
Beryllium	103	103	75 - 125	0	20		
Boron	102	103	75 - 125	1	20		
Cadmium	103	103	75 - 125	0	20		
Calcium	90	82	75 - 125	1	20	4	4
Chromium	104	103	75 - 125	1	20		
Cobalt	103	103	75 - 125	0	20		
Copper	102	102	75 - 125	0	20		
Iron	95	97	75 - 125	2	20		
Lead	102	102	75 - 125	1	20		
Magnesium	98	98	75 - 125	0	20		
Manganese	82	89	75 - 125	2	20		
Nickel	102	102	75 - 125	0	20		
Potassium	101	103	75 - 125	1	20		
Selenium	108	108	75 - 125	1	20		
Silver	110	109	75 - 125	1	20		
Sodium	102	101	75 - 125	1	20		
Thallium	99	99	75 - 125	0	20		
Vanadium	101	102	75 - 125	1	20		
Zinc	102	103	75 - 125	0	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109404**

**Method: 6010B
Preparation: 3005A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 2052
Prep Date: 03/27/2013 1010
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 2055
Prep Date: 03/27/2013 1010
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aluminum	0.23	10.0	10.0	10.2	10.3
Antimony	ND	0.200	0.200	0.201	0.204
Arsenic	ND	0.200	0.200	0.209	0.208
Barium	0.12	0.200	0.200	0.329	0.330
Beryllium	ND	0.200	0.200	0.206	0.206
Boron	0.33	0.200	0.200	0.537	0.541
Cadmium	ND	0.200	0.200	0.206	0.206
Calcium	99	10.0	10.0	108	107
Chromium	0.0012 J	0.200	0.200	0.209	0.208
Cobalt	ND	0.200	0.200	0.207	0.206
Copper	0.0020 J	0.200	0.200	0.206	0.206
Iron	3.7	10.0	10.0	13.3	13.5
Lead	ND	0.200	0.200	0.203	0.205
Magnesium	22	10.0	10.0	32.1	32.1
Manganese	0.51	0.200	0.200	0.675	0.688
Nickel	ND	0.200	0.200	0.204	0.203
Potassium	2.6	10.0	10.0	12.8	12.9
Selenium	ND	0.200	0.200	0.217	0.215
Silver	ND	0.0500	0.0500	0.0548	0.0545
Sodium	7.3	10.0	10.0	17.4	17.3
Thallium	ND	0.200	0.200	0.199	0.199
Vanadium	ND	0.200	0.200	0.203	0.205
Zinc	0.0017 J	0.200	0.200	0.206	0.207

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Serial Dilution - Batch: 480-109404

Method: 6010B

Preparation: 3005A

Lab Sample ID: 480-34997-19	Analysis Batch: 480-109652	Instrument ID: ICAP2
Client Matrix: Water	Prep Batch: 480-109404	Lab File ID: I2032713B-5.asc
Dilution: 5.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 03/27/2013 2048	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 03/27/2013 1010		
Leach Date: N/A		

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	0.23	ND	NC	10	
Antimony	ND	ND	NC	10	
Arsenic	ND	ND	NC	10	
Barium	0.12	0.126	3.0	10	
Beryllium	ND	ND	NC	10	
Boron	0.33	0.326	2.4	10	
Cadmium	ND	ND	NC	10	
Calcium	99	100	1.4	10	
Chromium	0.0012 J	ND	NC	10	
Cobalt	ND	ND	NC	10	
Copper	0.0020 J	0.00800	NC	10	J
Iron	3.7	3.79	1.3	10	
Lead	ND	ND	NC	10	
Magnesium	22	22.4	0.65	10	
Manganese	0.51	0.522	2.2	10	
Nickel	ND	ND	NC	10	
Potassium	2.6	2.55	2.2	10	
Selenium	ND	ND	NC	10	
Silver	ND	ND	NC	10	
Sodium	7.3	7.25	NC	10	
Thallium	ND	ND	NC	10	
Vanadium	ND	ND	NC	10	
Zinc	0.0017 J	ND	NC	10	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109673

Method: 6010B

Preparation: 3005A

Lab Sample ID: MB 480-109673/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1837
Prep Date: 03/28/2013 1100
Leach Date: N/A

Analysis Batch: 480-109897
Prep Batch: 480-109673
Leach Batch: N/A
Units: mg/L

Instrument ID: ICAP1
Lab File ID: I1032813A-8.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.060	0.20
Antimony	ND		0.0068	0.020
Arsenic	ND		0.0056	0.010
Barium	ND		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Boron	ND		0.0040	0.020
Cadmium	ND		0.00050	0.0010
Calcium	ND		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	ND		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	ND		0.043	0.20
Manganese	ND		0.00040	0.0030
Nickel	ND		0.0013	0.010
Potassium	ND		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	ND		0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Control Sample - Batch: 480-109673

Method: 6010B

Preparation: 3005A

Lab Sample ID:	LCS 480-109673/2-A	Analysis Batch:	480-109897	Instrument ID:	ICAP1
Client Matrix:	Water	Prep Batch:	480-109673	Lab File ID:	I1032813A-8.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1840	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1100				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10.0	9.79	98	80 - 120	
Antimony	0.200	0.195	98	80 - 120	
Arsenic	0.200	0.194	97	80 - 120	
Barium	0.200	0.208	104	80 - 120	
Beryllium	0.200	0.201	101	80 - 120	
Boron	0.200	0.199	100	80 - 120	
Cadmium	0.200	0.200	100	80 - 120	
Calcium	10.0	9.98	100	80 - 120	
Chromium	0.200	0.200	100	80 - 120	
Cobalt	0.200	0.198	99	80 - 120	
Copper	0.200	0.199	99	80 - 120	
Iron	10.0	9.67	97	80 - 120	
Lead	0.200	0.193	97	80 - 120	
Magnesium	10.0	10.1	101	80 - 120	
Manganese	0.200	0.203	102	80 - 120	
Nickel	0.200	0.193	96	80 - 120	
Potassium	10.0	9.88	99	80 - 120	
Selenium	0.200	0.201	101	80 - 120	
Silver	0.0500	0.0520	104	80 - 120	
Sodium	10.0	9.94	99	80 - 120	
Thallium	0.200	0.193	96	80 - 120	
Vanadium	0.200	0.206	103	80 - 120	
Zinc	0.200	0.203	102	80 - 120	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Post Digestion Spike - Batch: 480-109673

Method: 6010B

Preparation: 3005A

Lab Sample ID: 480-35108-18	Analysis Batch: 480-109897	Instrument ID: ICAP1
Client Matrix: Water	Prep Batch: 480-109673	Lab File ID: I1032813A-8.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 03/28/2013 1916	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 03/28/2013 1100		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	0.061 J	10.0	9.76	97	75 - 125	
Antimony	ND	0.200	0.197	99	75 - 125	
Arsenic	ND	0.200	0.204	102	75 - 125	
Barium	0.14	0.200	0.337	101	75 - 125	
Beryllium	ND	0.200	0.201	100	75 - 125	
Boron	0.11	0.200	0.307	100	75 - 125	
Cadmium	ND	0.200	0.206	103	75 - 125	
Calcium	30	10.0	38.7	92	75 - 125	
Chromium	ND	0.200	0.201	101	75 - 125	
Cobalt	ND	0.200	0.203	102	75 - 125	
Copper	0.0017 J	0.200	0.199	99	75 - 125	
Iron	0.19	10.0	9.74	95	75 - 125	
Lead	ND	0.200	0.203	101	75 - 125	
Magnesium	8.7	10.0	18.3	96	75 - 125	
Manganese	0.041	0.200	0.233	96	75 - 125	
Nickel	ND	0.200	0.195	98	75 - 125	
Potassium	2.8	10.0	12.7	99	75 - 125	
Selenium	ND	0.200	0.209	104	75 - 125	
Silver	ND	0.0500	0.0526	105	75 - 125	
Sodium	21	10.0	30.9	95	75 - 125	
Thallium	ND	0.200	0.194	97	75 - 125	
Vanadium	ND	0.200	0.212	106	75 - 125	
Zinc	0.0017 J	0.200	0.211	105	75 - 125	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109673**

**Method: 6010B
Preparation: 3005A**

MS Lab Sample ID: 480-35108-18
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1918
Prep Date: 03/28/2013 1100
Leach Date: N/A

Analysis Batch: 480-109897
Prep Batch: 480-109673
Leach Batch: N/A

Instrument ID: ICAP1
Lab File ID: I1032813A-8.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 480-35108-18
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1920
Prep Date: 03/28/2013 1100
Leach Date: N/A

Analysis Batch: 480-109897
Prep Batch: 480-109673
Leach Batch: N/A

Instrument ID: ICAP1
Lab File ID: I1032813A-8.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aluminum	99	98	75 - 125	1	20		
Antimony	100	98	75 - 125	2	20		
Arsenic	102	100	75 - 125	2	20		
Barium	104	102	75 - 125	1	20		
Beryllium	101	100	75 - 125	1	20		
Boron	102	99	75 - 125	2	20		
Cadmium	104	102	75 - 125	2	20		
Calcium	104	96	75 - 125	2	20		
Chromium	101	100	75 - 125	1	20		
Cobalt	103	101	75 - 125	2	20		
Copper	100	99	75 - 125	1	20		
Iron	97	95	75 - 125	1	20		
Lead	102	100	75 - 125	1	20		
Magnesium	101	98	75 - 125	1	20		
Manganese	99	97	75 - 125	1	20		
Nickel	99	97	75 - 125	1	20		
Potassium	100	99	75 - 125	1	20		
Selenium	104	102	75 - 125	2	20		
Silver	105	103	75 - 125	2	20		
Sodium	102	97	75 - 125	2	20		
Thallium	98	95	75 - 125	3	20		
Vanadium	107	105	75 - 125	2	20		
Zinc	105	103	75 - 125	2	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109673**

**Method: 6010B
Preparation: 3005A**

MS Lab Sample ID: 480-35108-18 Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/28/2013 1918
 Prep Date: 03/28/2013 1100
 Leach Date: N/A

MSD Lab Sample ID: 480-35108-18
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/28/2013 1920
 Prep Date: 03/28/2013 1100
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aluminum	0.061 J	10.0	10.0	9.93	9.84
Antimony	ND	0.200	0.200	0.200	0.196
Arsenic	ND	0.200	0.200	0.204	0.201
Barium	0.14	0.200	0.200	0.344	0.340
Beryllium	ND	0.200	0.200	0.203	0.201
Boron	0.11	0.200	0.200	0.312	0.305
Cadmium	ND	0.200	0.200	0.208	0.204
Calcium	30	10.0	10.0	39.9	39.2
Chromium	ND	0.200	0.200	0.202	0.200
Cobalt	ND	0.200	0.200	0.205	0.202
Copper	0.0017 J	0.200	0.200	0.201	0.199
Iron	0.19	10.0	10.0	9.85	9.71
Lead	ND	0.200	0.200	0.203	0.201
Magnesium	8.7	10.0	10.0	18.8	18.5
Manganese	0.041	0.200	0.200	0.238	0.235
Nickel	ND	0.200	0.200	0.197	0.195
Potassium	2.8	10.0	10.0	12.8	12.7
Selenium	ND	0.200	0.200	0.209	0.204
Silver	ND	0.0500	0.0500	0.0525	0.0516
Sodium	21	10.0	10.0	31.6	31.1
Thallium	ND	0.200	0.200	0.195	0.191
Vanadium	ND	0.200	0.200	0.214	0.209
Zinc	0.0017 J	0.200	0.200	0.212	0.208

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Serial Dilution - Batch: 480-109673

Method: 6010B

Preparation: 3005A

Lab Sample ID: 480-35108-18
 Client Matrix: Water
 Dilution: 5.0
 Analysis Date: 03/28/2013 1913
 Prep Date: 03/28/2013 1100
 Leach Date: N/A

Analysis Batch: 480-109897
 Prep Batch: 480-109673
 Leach Batch: N/A
 Units: mg/L

Instrument ID: ICAP1
 Lab File ID: I1032813A-8.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	0.061 J	ND	NC	10	
Antimony	ND	ND	NC	10	
Arsenic	ND	ND	NC	10	
Barium	0.14	0.140	3.5	10	
Beryllium	ND	ND	NC	10	
Boron	0.11	0.103	3.3	10	
Cadmium	ND	ND	NC	10	
Calcium	30	30.1	1.8	10	
Chromium	ND	ND	NC	10	
Cobalt	ND	ND	NC	10	
Copper	0.0017 J	ND	NC	10	
Iron	0.19	0.183	NC	10	J
Lead	ND	ND	NC	10	
Magnesium	8.7	8.98	3.1	10	
Manganese	0.041	0.0425	4.3	10	
Nickel	ND	ND	NC	10	
Potassium	2.8	2.96	4.9	10	
Selenium	ND	ND	NC	10	
Silver	ND	ND	NC	10	
Sodium	21	21.5	0.45	10	
Thallium	ND	ND	NC	10	
Vanadium	ND	ND	NC	10	
Zinc	0.0017 J	ND	NC	10	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109171

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: MB 480-109171/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/26/2013 1315
Prep Date: 03/26/2013 0845
Leach Date: N/A

Analysis Batch: 480-109286
Prep Batch: 480-109171
Leach Batch: N/A
Units: mg/L

Instrument ID: LEEMAN2
Lab File ID: H03263W2.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.00020

Lab Control Sample - Batch: 480-109171

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: LCS 480-109171/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/26/2013 1318
Prep Date: 03/26/2013 0845
Leach Date: N/A

Analysis Batch: 480-109286
Prep Batch: 480-109171
Leach Batch: N/A
Units: mg/L

Instrument ID: LEEMAN2
Lab File ID: H03263W2.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00667	0.00687	103	80 - 120	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109372

Lab Sample ID: MB 480-109372/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1251
Prep Date: 03/27/2013 0815
Leach Date: N/A

Analysis Batch: 480-109519
Prep Batch: 480-109372
Leach Batch: N/A
Units: mg/L

**Method: 7470A
Preparation: 7470A**

Instrument ID: LEEMAN2
Lab File ID: H03273W1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.00020

Lab Control Sample - Batch: 480-109372

Lab Sample ID: LCS 480-109372/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1253
Prep Date: 03/27/2013 0815
Leach Date: N/A

Analysis Batch: 480-109519
Prep Batch: 480-109372
Leach Batch: N/A
Units: mg/L

**Method: 7470A
Preparation: 7470A**

Instrument ID: LEEMAN2
Lab File ID: H03273W1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00667	0.00665	100	80 - 120	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109372**

**Method: 7470A
Preparation: 7470A**

MS Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1303
Prep Date: 03/27/2013 0815
Leach Date: N/A

Analysis Batch: 480-109519
Prep Batch: 480-109372
Leach Batch: N/A

Instrument ID: LEEMAN2
Lab File ID: H03273W1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1305
Prep Date: 03/27/2013 0815
Leach Date: N/A

Analysis Batch: 480-109519
Prep Batch: 480-109372
Leach Batch: N/A

Instrument ID: LEEMAN2
Lab File ID: H03273W1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	98	96	75 - 125	2	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109372**

**Method: 7470A
Preparation: 7470A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1303
Prep Date: 03/27/2013 0815
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1305
Prep Date: 03/27/2013 0815
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.00667	0.00667	0.00653	0.00642

Serial Dilution - Batch: 480-109372

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 5.0
Analysis Date: 03/27/2013 1301
Prep Date: 03/27/2013 0815
Leach Date: N/A

Analysis Batch: 480-109519
Prep Batch: 480-109372
Leach Batch: N/A
Units: mg/L

Instrument ID: LEEMAN2
Lab File ID: H03273W1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	ND	ND	NC	10	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109867

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: MB 480-109867/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1246
Prep Date: 03/29/2013 0820
Leach Date: N/A

Analysis Batch: 480-109956
Prep Batch: 480-109867
Leach Batch: N/A
Units: mg/L

Instrument ID: LEEMAN2
Lab File ID: H03293W1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.00020

Lab Control Sample - Batch: 480-109867

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: LCS 480-109867/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1248
Prep Date: 03/29/2013 0820
Leach Date: N/A

Analysis Batch: 480-109956
Prep Batch: 480-109867
Leach Batch: N/A
Units: mg/L

Instrument ID: LEEMAN2
Lab File ID: H03293W1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00667	0.00692	104	80 - 120	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-111146

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: MB 480-111146/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/05/2013 1513
Prep Date: 04/05/2013 1115
Leach Date: N/A

Analysis Batch: 480-111227
Prep Batch: 480-111146
Leach Batch: N/A
Units: mg/L

Instrument ID: LEEMAN2
Lab File ID: H04053T2.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.00020

Lab Control Sample - Batch: 480-111146

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: LCS 480-111146/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/05/2013 1515
Prep Date: 04/05/2013 1115
Leach Date: N/A

Analysis Batch: 480-111227
Prep Batch: 480-111146
Leach Batch: N/A
Units: mg/L

Instrument ID: LEEMAN2
Lab File ID: H04053T2.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00667	0.00668	100	80 - 120	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109295

Lab Sample ID: MB 480-109295/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/26/2013 1655
 Prep Date: 03/26/2013 1445
 Leach Date: N/A

Analysis Batch: 480-109321
 Prep Batch: 480-109295
 Leach Batch: N/A
 Units: mg/L

Method: 350.1

Preparation: Distill/Ammonia

Instrument ID: LACHAT1
 Lab File ID: NH03263B.FDT
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Ammonia	ND		0.10	0.20

Lab Control Sample - Batch: 480-109295

Lab Sample ID: LCS 480-109295/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/26/2013 1654
 Prep Date: 03/26/2013 1445
 Leach Date: N/A

Analysis Batch: 480-109321
 Prep Batch: 480-109295
 Leach Batch: N/A
 Units: mg/L

Method: 350.1

Preparation: Distill/Ammonia

Instrument ID: LACHAT1
 Lab File ID: NH03263B.FDT
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	1.00	0.993	99	90 - 110	

Matrix Spike - Batch: 480-109295

Lab Sample ID: 480-34951-5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/26/2013 1714
 Prep Date: 03/26/2013 1445
 Leach Date: N/A

Analysis Batch: 480-109321
 Prep Batch: 480-109295
 Leach Batch: N/A
 Units: mg/L

Method: 350.1

Preparation: Distill/Ammonia

Instrument ID: LACHAT1
 Lab File ID: NH03263B.FDT
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	ND	0.500	0.548	110	54 - 150	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Duplicate - Batch: 480-109295

Method: 350.1

Preparation: Distill/Ammonia

Lab Sample ID:	480-34951-4	Analysis Batch:	480-109321	Instrument ID:	LACHAT1
Client Matrix:	Water	Prep Batch:	480-109295	Lab File ID:	NH03263B.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/26/2013 1712	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/26/2013 1445				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Ammonia	0.11 J	0.102	7	20	J

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109794

Lab Sample ID: MB 480-109794/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0945
Prep Date: 03/28/2013 1804
Leach Date: N/A

Analysis Batch: 480-109919
Prep Batch: 480-109794
Leach Batch: N/A
Units: mg/L

**Method: 350.1
Preparation: Distill/Ammonia**

Instrument ID: LACHAT1
Lab File ID: NH03293A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Ammonia	ND		0.10	0.20

Lab Control Sample - Batch: 480-109794

Lab Sample ID: LCS 480-109794/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0944
Prep Date: 03/28/2013 1804
Leach Date: N/A

Analysis Batch: 480-109919
Prep Batch: 480-109794
Leach Batch: N/A
Units: mg/L

**Method: 350.1
Preparation: Distill/Ammonia**

Instrument ID: LACHAT1
Lab File ID: NH03293A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	1.00	0.993	99	90 - 110	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109794**

**Method: 350.1
Preparation: Distill/Ammonia**

MS Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0951
Prep Date: 03/28/2013 1804
Leach Date: N/A

Analysis Batch: 480-109919
Prep Batch: 480-109794
Leach Batch: N/A

Instrument ID: LACHAT1
Lab File ID: NH03293A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0952
Prep Date: 03/28/2013 1804
Leach Date: N/A

Analysis Batch: 480-109919
Prep Batch: 480-109794
Leach Batch: N/A

Instrument ID: LACHAT1
Lab File ID: NH03293A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Ammonia	87	108	54 - 150	13	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109794**

**Method: 350.1
Preparation: Distill/Ammonia**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0951
Prep Date: 03/28/2013 1804
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0952
Prep Date: 03/28/2013 1804
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Ammonia	0.34	0.500	0.500	0.772	0.876

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110483

Lab Sample ID: MB 480-110483/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/03/2013 1031
Prep Date: 04/02/2013 1425
Leach Date: N/A

Analysis Batch: 480-110653
Prep Batch: 480-110483
Leach Batch: N/A
Units: mg/L

**Method: 350.1
Preparation: Distill/Ammonia**

Instrument ID: LACHAT1
Lab File ID: NH04033A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Ammonia	0.109	J	0.10	0.20

Lab Control Sample - Batch: 480-110483

Lab Sample ID: LCS 480-110483/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/03/2013 1030
Prep Date: 04/02/2013 1425
Leach Date: N/A

Analysis Batch: 480-110653
Prep Batch: 480-110483
Leach Batch: N/A
Units: mg/L

**Method: 350.1
Preparation: Distill/Ammonia**

Instrument ID: LACHAT1
Lab File ID: NH04033A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	1.00	0.981	98	90 - 110	

Matrix Spike - Batch: 480-110483

Lab Sample ID: 480-35108-25
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/03/2013 1038
Prep Date: 04/02/2013 1425
Leach Date: N/A

Analysis Batch: 480-110653
Prep Batch: 480-110483
Leach Batch: N/A
Units: mg/L

**Method: 350.1
Preparation: Distill/Ammonia**

Instrument ID: LACHAT1
Lab File ID: NH04033A.FDT
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Ammonia	ND	0.500	0.443	89	54 - 150	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Duplicate - Batch: 480-110483

Method: 350.1
Preparation: Distill/Ammonia

Lab Sample ID:	480-35108-24	Analysis Batch:	480-110653	Instrument ID:	LACHAT1
Client Matrix:	Water	Prep Batch:	480-110483	Lab File ID:	NH04033A.FDT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/03/2013 1036	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 1425				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Ammonia	ND	ND	NC	20	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109452

Lab Sample ID: MB 480-109452/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1815
Prep Date: 03/27/2013 1100
Leach Date: N/A

Analysis Batch: 480-109821
Prep Batch: 480-109452
Leach Batch: N/A
Units: mg/L

**Method: 351.2
Preparation: 351.2**

Instrument ID: KONE2
Lab File ID: 03282013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Total Kjeldahl Nitrogen	ND		0.15	0.20

Lab Control Sample - Batch: 480-109452

Lab Sample ID: LCS 480-109452/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1815
Prep Date: 03/27/2013 1100
Leach Date: N/A

Analysis Batch: 480-109821
Prep Batch: 480-109452
Leach Batch: N/A
Units: mg/L

**Method: 351.2
Preparation: 351.2**

Instrument ID: KONE2
Lab File ID: 03282013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Kjeldahl Nitrogen	2.50	2.33	93	90 - 110	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109452**

**Method: 351.2
Preparation: 351.2**

MS Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1902
Prep Date: 03/27/2013 1100
Leach Date: N/A

Analysis Batch: 480-109821
Prep Batch: 480-109452
Leach Batch: N/A

Instrument ID: KONE2
Lab File ID: 03282013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1902
Prep Date: 03/27/2013 1100
Leach Date: N/A

Analysis Batch: 480-109821
Prep Batch: 480-109452
Leach Batch: N/A

Instrument ID: KONE2
Lab File ID: 03282013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Kjeldahl Nitrogen	108	120	72 - 127	8	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109452**

**Method: 351.2
Preparation: 351.2**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1902
Prep Date: 03/27/2013 1100
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1902
Prep Date: 03/27/2013 1100
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Kjeldahl Nitrogen	0.42	1.00	1.00	1.49	1.61

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109781

**Method: 351.2
Preparation: 351.2**

Lab Sample ID: MB 480-109781/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1820
Prep Date: 03/28/2013 1643
Leach Date: N/A

Analysis Batch: 480-109821
Prep Batch: 480-109781
Leach Batch: N/A
Units: mg/L

Instrument ID: KONE2
Lab File ID: 03282013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Total Kjeldahl Nitrogen	ND		0.15	0.20

Lab Control Sample - Batch: 480-109781

**Method: 351.2
Preparation: 351.2**

Lab Sample ID: LCS 480-109781/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 1820
Prep Date: 03/28/2013 1643
Leach Date: N/A

Analysis Batch: 480-109821
Prep Batch: 480-109781
Leach Batch: N/A
Units: mg/L

Instrument ID: KONE2
Lab File ID: 03282013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Kjeldahl Nitrogen	2.50	2.71	108	90 - 110	

Matrix Spike - Batch: 480-109781

**Method: 351.2
Preparation: 351.2**

Lab Sample ID: 480-35108-22
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 2013
Prep Date: 03/28/2013 1643
Leach Date: N/A

Analysis Batch: 480-109821
Prep Batch: 480-109781
Leach Batch: N/A
Units: mg/L

Instrument ID: KONE2
Lab File ID: 03282013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Total Kjeldahl Nitrogen	0.19 J	1.00	1.05	86	72 - 127	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109996

**Method: 351.2
Preparation: 351.2**

Lab Sample ID: MB 480-109996/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/01/2013 1712
Prep Date: 03/29/2013 0935
Leach Date: N/A

Analysis Batch: 480-110329
Prep Batch: 480-109996
Leach Batch: N/A
Units: mg/L

Instrument ID: KONE2
Lab File ID: 04012013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Total Kjeldahl Nitrogen	ND		0.15	0.20

Lab Control Sample - Batch: 480-109996

**Method: 351.2
Preparation: 351.2**

Lab Sample ID: LCS 480-109996/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/01/2013 1712
Prep Date: 03/29/2013 0935
Leach Date: N/A

Analysis Batch: 480-110329
Prep Batch: 480-109996
Leach Batch: N/A
Units: mg/L

Instrument ID: KONE2
Lab File ID: 04012013nhtkn.xls
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Kjeldahl Nitrogen	2.50	2.51	100	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110019

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110019/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1719
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110019
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Method Blank - Batch: 480-110019

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110019/51
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1719
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110019
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Control Sample - Batch: 480-110019

Method: 410.4

Preparation: N/A

Lab Sample ID:	LCS 480-110019/4	Analysis Batch:	480-110019	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	03/29/2013 1719	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	27.2	109	90 - 110	

Lab Control Sample - Batch: 480-110019

Method: 410.4

Preparation: N/A

Lab Sample ID:	LCS 480-110019/52	Analysis Batch:	480-110019	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	03/29/2013 1719	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	24.6	99	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110050

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110050/27
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 2108
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110050
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Method Blank - Batch: 480-110050

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110050/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 2108
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110050
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Lab Control Sample - Batch: 480-110050

Method: 410.4
Preparation: N/A

Lab Sample ID:	LCS 480-110050/28	Analysis Batch:	480-110050	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	03/29/2013 2108	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	26.2	105	90 - 110	

Lab Control Sample - Batch: 480-110050

Method: 410.4
Preparation: N/A

Lab Sample ID:	LCS 480-110050/4	Analysis Batch:	480-110050	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	03/29/2013 2108	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	27.2	109	90 - 110	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110050**

Method: 410.4
Preparation: N/A

MS Lab Sample ID:	480-34997-19	Analysis Batch:	480-110050	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	03/29/2013 2108			Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	480-34997-19	Analysis Batch:	480-110050	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	03/29/2013 2108			Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chemical Oxygen Demand	96	92	75 - 125	4	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110050**

**Method: 410.4
Preparation: N/A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 2.0
Analysis Date: 03/29/2013 2108
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 2.0
Analysis Date: 03/29/2013 2108
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Chemical Oxygen Demand	14	100	100	110	106

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110327

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110327/51
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/01/2013 1720
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110327
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Method Blank - Batch: 480-110327

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110327/75
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/01/2013 1720
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110327
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Lab Control Sample - Batch: 480-110327

Method: 410.4
Preparation: N/A

Lab Sample ID:	LCS 480-110327/52	Analysis Batch:	480-110327	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	04/01/2013 1720	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	24.6	99	90 - 110	

Lab Control Sample - Batch: 480-110327

Method: 410.4
Preparation: N/A

Lab Sample ID:	LCS 480-110327/76	Analysis Batch:	480-110327	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	04/01/2013 1720	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	23.1	92	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110334

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110334/27
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/01/2013 2018
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110334
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Method Blank - Batch: 480-110334

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110334/51
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/01/2013 2018
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110334
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Lab Control Sample - Batch: 480-110334

Method: 410.4
Preparation: N/A

Lab Sample ID:	LCS 480-110334/28	Analysis Batch:	480-110334	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	04/01/2013 2018	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	25.3	101	90 - 110	

Lab Control Sample - Batch: 480-110334

Method: 410.4
Preparation: N/A

Lab Sample ID:	LCS 480-110334/52	Analysis Batch:	480-110334	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	04/01/2013 2018	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	22.8	91	90 - 110	

Matrix Spike - Batch: 480-110334

Method: 410.4
Preparation: N/A

Lab Sample ID:	480-35108-24	Analysis Batch:	480-110334	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	2.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	04/01/2013 2018	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	ND	100	82.8	83	75 - 125	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Duplicate - Batch: 480-110334

Method: 410.4
Preparation: N/A

Lab Sample ID:	480-35108-24	Analysis Batch:	480-110334	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	04/01/2013 2018	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chemical Oxygen Demand	ND	ND	NC	20	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110464

Method: 410.4
Preparation: N/A

Lab Sample ID:	MB 480-110464/3	Analysis Batch:	480-110464	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	04/02/2013 1053	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Lab Control Sample - Batch: 480-110464

Method: 410.4
Preparation: N/A

Lab Sample ID:	LCS 480-110464/4	Analysis Batch:	480-110464	Instrument ID:	Genysis SpecA
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	2 mL
Analysis Date:	04/02/2013 1054	Units:	mg/L	Final Weight/Volume:	2 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	25.0	100	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110774

Method: 410.4
Preparation: N/A

Lab Sample ID: MB 480-110774/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/03/2013 2039
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110774
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Lab Control Sample - Batch: 480-110774

Method: 410.4
Preparation: N/A

Lab Sample ID: LCS 480-110774/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/03/2013 2039
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110774
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	22.8	91	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110959

**Method: 410.4
Preparation: N/A**

Lab Sample ID: MB 480-110959/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 1055
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110959
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Result	Qual	MDL	RL
Chemical Oxygen Demand	ND		5.0	10

Lab Control Sample - Batch: 480-110959

**Method: 410.4
Preparation: N/A**

Lab Sample ID: LCS 480-110959/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 1055
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110959
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis SpecA
Lab File ID: N/A
Initial Weight/Volume: 2 mL
Final Weight/Volume: 2 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chemical Oxygen Demand	25.0	24.0	96	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109752

Lab Sample ID: MB 480-109752/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0611
Prep Date: 03/28/2013 1100
Leach Date: N/A

Analysis Batch: 480-109852
Prep Batch: 480-109752
Leach Batch: N/A
Units: mg/L

Method: 420.4

Preparation: Distill/Phenol

Instrument ID: KONE1
Lab File ID: trp03292013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	ND		0.0050	0.010

Lab Control Sample - Batch: 480-109752

Lab Sample ID: LCS 480-109752/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0611
Prep Date: 03/28/2013 1100
Leach Date: N/A

Analysis Batch: 480-109852
Prep Batch: 480-109752
Leach Batch: N/A
Units: mg/L

Method: 420.4

Preparation: Distill/Phenol

Instrument ID: KONE1
Lab File ID: trp03292013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.100	0.102	102	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110291

Lab Sample ID: MB 480-110291/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0113
Prep Date: 04/01/2013 1540
Leach Date: N/A

Analysis Batch: 480-110382
Prep Batch: 480-110291
Leach Batch: N/A
Units: mg/L

Method: 420.4

Preparation: Distill/Phenol

Instrument ID: KONE1
Lab File ID: trp04022013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	ND		0.0050	0.010

Lab Control Sample - Batch: 480-110291

Lab Sample ID: LCS 480-110291/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0113
Prep Date: 04/01/2013 1548
Leach Date: N/A

Analysis Batch: 480-110382
Prep Batch: 480-110291
Leach Batch: N/A
Units: mg/L

Method: 420.4

Preparation: Distill/Phenol

Instrument ID: KONE1
Lab File ID: trp04022013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.100	0.101	101	90 - 110	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 480-110291

Method: 420.4

Preparation: Distill/Phenol

MS Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0159
Prep Date: 04/01/2013 1648
Leach Date: N/A

Analysis Batch: 480-110382
Prep Batch: 480-110291
Leach Batch: N/A

Instrument ID: KONE1
Lab File ID: trp04022013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0159
Prep Date: 04/01/2013 1656
Leach Date: N/A

Analysis Batch: 480-110382
Prep Batch: 480-110291
Leach Batch: N/A

Instrument ID: KONE1
Lab File ID: trp04022013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenolics, Total Recoverable	102	101	60 - 143	1	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110291**

**Method: 420.4
Preparation: Distill/Phenol**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0159
Prep Date: 04/01/2013 1648
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0159
Prep Date: 04/01/2013 1656
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Phenolics, Total Recoverable	ND	0.100	0.100	0.102	0.101

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110555

Lab Sample ID: MB 480-110555/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 0046
Prep Date: 04/02/2013 2122
Leach Date: N/A

Analysis Batch: 480-110807
Prep Batch: 480-110555
Leach Batch: N/A
Units: mg/L

Method: 420.4

Preparation: Distill/Phenol

Instrument ID: KONE1
Lab File ID: trp04042013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	0.00713	J	0.0050	0.010

Lab Control Sample - Batch: 480-110555

Lab Sample ID: LCS 480-110555/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 0046
Prep Date: 04/02/2013 2122
Leach Date: N/A

Analysis Batch: 480-110807
Prep Batch: 480-110555
Leach Batch: N/A
Units: mg/L

Method: 420.4

Preparation: Distill/Phenol

Instrument ID: KONE1
Lab File ID: trp04042013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.100	0.103	103	90 - 110	

Matrix Spike - Batch: 480-110555

Lab Sample ID: 480-35108-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 0254
Prep Date: 04/02/2013 2122
Leach Date: N/A

Analysis Batch: 480-110807
Prep Batch: 480-110555
Leach Batch: N/A
Units: mg/L

Method: 420.4

Preparation: Distill/Phenol

Instrument ID: KONE1
Lab File ID: trp04042013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.0050 J	0.100	0.0996	100	60 - 143	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Duplicate - Batch: 480-110555

Method: 420.4

Preparation: Distill/Phenol

Lab Sample ID:	480-35108-24	Analysis Batch:	480-110807	Instrument ID:	KONE1
Client Matrix:	Water	Prep Batch:	480-110555	Lab File ID:	trp04042013pq.xls
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/04/2013 0245	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 2122				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Phenolics, Total Recoverable	ND	0.00659	NC	20	J

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110755

Method: 420.4

Preparation: Distill/Phenol

Lab Sample ID: MB 480-110755/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 0052
Prep Date: 04/03/2013 1813
Leach Date: N/A

Analysis Batch: 480-110807
Prep Batch: 480-110755
Leach Batch: N/A
Units: mg/L

Instrument ID: KONE1
Lab File ID: trp04042013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Phenolics, Total Recoverable	ND		0.0050	0.010

Lab Control Sample - Batch: 480-110755

Method: 420.4

Preparation: Distill/Phenol

Lab Sample ID: LCS 480-110755/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 0052
Prep Date: 04/03/2013 1813
Leach Date: N/A

Analysis Batch: 480-110807
Prep Batch: 480-110755
Leach Batch: N/A
Units: mg/L

Instrument ID: KONE1
Lab File ID: trp04042013pq.xls
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenolics, Total Recoverable	0.100	0.0985	99	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109117

Method: 7196A
Preparation: N/A

Lab Sample ID:	MB 480-109117/3	Analysis Batch:	480-109117	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1850	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexavalent chromium	ND		0.0050	0.010

Lab Control Sample - Batch: 480-109117

Method: 7196A
Preparation: N/A

Lab Sample ID:	LCS 480-109117/4	Analysis Batch:	480-109117	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1850	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexavalent chromium	0.0500	0.0538	108	85 - 115	

Matrix Spike - Batch: 480-109117

Method: 7196A
Preparation: N/A

Lab Sample ID:	480-34951-1	Analysis Batch:	480-109117	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1850	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Hexavalent chromium	ND	0.0500	0.0504	101	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Duplicate - Batch: 480-109117

Method: 7196A
Preparation: N/A

Lab Sample ID:	480-34951-6	Analysis Batch:	480-109117	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/25/2013 1850	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Hexavalent chromium	ND	ND	NC	15	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109341

Method: 7196A
Preparation: N/A

Lab Sample ID:	MB 480-109341/3	Analysis Batch:	480-109341	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/26/2013 2209	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexavalent chromium	ND		0.0050	0.010

Lab Control Sample - Batch: 480-109341

Method: 7196A
Preparation: N/A

Lab Sample ID:	LCS 480-109341/4	Analysis Batch:	480-109341	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/26/2013 2210	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexavalent chromium	0.0500	0.0521	104	85 - 115	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109341**

Method: 7196A
Preparation: N/A

MS Lab Sample ID:	480-34997-19	Analysis Batch:	480-109341	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/26/2013 2217			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	480-34997-19	Analysis Batch:	480-109341	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/26/2013 2219			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Hexavalent chromium	92	89	85 - 115	4	15		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109341**

**Method: 7196A
Preparation: N/A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/26/2013 2217
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/26/2013 2219
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hexavalent chromium	ND	0.0500	0.0500	0.0461	0.0444

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109561

Method: 7196A
Preparation: N/A

Lab Sample ID:	MB 480-109561/3	Analysis Batch:	480-109561	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/27/2013 1900	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hexavalent chromium	ND		0.0050	0.010

Lab Control Sample - Batch: 480-109561

Method: 7196A
Preparation: N/A

Lab Sample ID:	LCS 480-109561/4	Analysis Batch:	480-109561	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/27/2013 1900	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexavalent chromium	0.0500	0.0487	97	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Matrix Spike - Batch: 480-109561

Method: 7196A
Preparation: N/A

Lab Sample ID: 480-35108-18
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1900
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109561
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis Spec
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Hexavalent chromium	ND	0.0500	0.0521	104	85 - 115	

Matrix Spike - Batch: 480-109561

Method: 7196A
Preparation: N/A

Lab Sample ID: 480-35108-25
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1900
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109561
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: Genysis Spec
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 25 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Hexavalent chromium	0.0078 J	0.0500	0.0478	80	85 - 115	F

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Duplicate - Batch: 480-109561

Method: 7196A
Preparation: N/A

Lab Sample ID:	480-35108-18	Analysis Batch:	480-109561	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/27/2013 1900	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Hexavalent chromium	ND	ND	NC	15	

Duplicate - Batch: 480-109561

Method: 7196A
Preparation: N/A

Lab Sample ID:	480-35108-23	Analysis Batch:	480-109561	Instrument ID:	Genysis Spec
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	03/27/2013 1900	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Hexavalent chromium	ND	ND	NC	15	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109489

**Method: 9012A
Preparation: 9012A**

Lab Sample ID: MB 480-109489/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 0826
Prep Date: 03/27/2013 1205
Leach Date: N/A

Analysis Batch: 480-109685
Prep Batch: 480-109489
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_3-28-2013_08-02-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0050	0.010

Lab Control Sample - Batch: 480-109489

**Method: 9012A
Preparation: 9012A**

Lab Sample ID: LCS 480-109489/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 0827
Prep Date: 03/27/2013 1205
Leach Date: N/A

Analysis Batch: 480-109685
Prep Batch: 480-109489
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_3-28-2013_08-02-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.243	97	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109577

Lab Sample ID: MB 480-109577/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 0847
Prep Date: 03/27/2013 1701
Leach Date: N/A

Analysis Batch: 480-109685
Prep Batch: 480-109577
Leach Batch: N/A
Units: mg/L

**Method: 9012A
Preparation: 9012A**

Instrument ID: LACHAT2
Lab File ID: OM_3-28-2013_08-02-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0050	0.010

Lab Control Sample - Batch: 480-109577

Lab Sample ID: LCS 480-109577/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 0848
Prep Date: 03/27/2013 1701
Leach Date: N/A

Analysis Batch: 480-109685
Prep Batch: 480-109577
Leach Batch: N/A
Units: mg/L

**Method: 9012A
Preparation: 9012A**

Instrument ID: LACHAT2
Lab File ID: OM_3-28-2013_08-02-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.233	93	90 - 110	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109577**

MS Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 0850
Prep Date: 03/27/2013 1701
Leach Date: N/A

Analysis Batch: 480-109685
Prep Batch: 480-109577
Leach Batch: N/A

**Method: 9012A
Preparation: 9012A**

Instrument ID: LACHAT2
Lab File ID: OM_3-28-2013_08-02-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 0850
Prep Date: 03/27/2013 1701
Leach Date: N/A

Analysis Batch: 480-109685
Prep Batch: 480-109577
Leach Batch: N/A

Instrument ID: LACHAT2
Lab File ID: OM_3-28-2013_08-02-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cyanide, Total	91	99	90 - 110	9	15		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109577**

**Method: 9012A
Preparation: 9012A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 0850
Prep Date: 03/27/2013 1701
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 0850
Prep Date: 03/27/2013 1701
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cyanide, Total	ND	0.100	0.100	0.0909	0.0994

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109809

**Method: 9012A
Preparation: 9012A**

Lab Sample ID: MB 480-109809/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1716
Prep Date: 03/28/2013 1411
Leach Date: N/A

Analysis Batch: 480-110026
Prep Batch: 480-109809
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_3-29-2013_05-13-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0050	0.010

Lab Control Sample - Batch: 480-109809

**Method: 9012A
Preparation: 9012A**

Lab Sample ID: LCS 480-109809/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1717
Prep Date: 03/28/2013 1411
Leach Date: N/A

Analysis Batch: 480-110026
Prep Batch: 480-109809
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_3-29-2013_05-13-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.400	0.358	90	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109835

Lab Sample ID: MB 480-109835/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1758
Prep Date: 03/28/2013 2230
Leach Date: N/A

Analysis Batch: 480-110026
Prep Batch: 480-109835
Leach Batch: N/A
Units: mg/L

**Method: 9012A
Preparation: 9012A**

Instrument ID: LACHAT2
Lab File ID: OM_3-29-2013_05-13-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0050	0.010

Lab Control Sample - Batch: 480-109835

Lab Sample ID: LCS 480-109835/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1759
Prep Date: 03/28/2013 2230
Leach Date: N/A

Analysis Batch: 480-110026
Prep Batch: 480-109835
Leach Batch: N/A
Units: mg/L

**Method: 9012A
Preparation: 9012A**

Instrument ID: LACHAT2
Lab File ID: OM_3-29-2013_05-13-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.239	96	90 - 110	

Matrix Spike - Batch: 480-109835

Lab Sample ID: 480-34997-17
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1808
Prep Date: 03/28/2013 2230
Leach Date: N/A

Analysis Batch: 480-110026
Prep Batch: 480-109835
Leach Batch: N/A
Units: mg/L

**Method: 9012A
Preparation: 9012A**

Instrument ID: LACHAT2
Lab File ID: OM_3-29-2013_05-13-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	ND	0.100	0.0843	84	90 - 110	F

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Duplicate - Batch: 480-109835

Method: 9012A
Preparation: 9012A

Lab Sample ID:	480-34997-18	Analysis Batch:	480-110026	Instrument ID:	LACHAT2
Client Matrix:	Water	Prep Batch:	480-109835	Lab File ID:	OM_3-29-2013_05-13-
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/29/2013 1805	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 2230				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Total	ND	ND	NC	15	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110020

**Method: 9012A
Preparation: 9012A**

Lab Sample ID: MB 480-110020/3-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/30/2013 1141
Prep Date: 03/29/2013 1527
Leach Date: N/A

Analysis Batch: 480-110120
Prep Batch: 480-110020
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_3-30-2013_11-36-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0050	0.010

Lab Control Sample - Batch: 480-110020

**Method: 9012A
Preparation: 9012A**

Lab Sample ID: LCS 480-110020/4-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/30/2013 1142
Prep Date: 03/29/2013 1527
Leach Date: N/A

Analysis Batch: 480-110120
Prep Batch: 480-110020
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_3-30-2013_11-36-
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.234	94	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-110754

Method: 9012A
Preparation: 9012A

Lab Sample ID: MB 480-110754/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 1146
Prep Date: 04/03/2013 1730
Leach Date: N/A

Analysis Batch: 480-110948
Prep Batch: 480-110754
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_4-4-2013_11-01-5
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Cyanide, Total	ND		0.0050	0.010

Lab Control Sample - Batch: 480-110754

Method: 9012A
Preparation: 9012A

Lab Sample ID: LCS 480-110754/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 1147
Prep Date: 04/03/2013 1730
Leach Date: N/A

Analysis Batch: 480-110948
Prep Batch: 480-110754
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_4-4-2013_11-01-5
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Total	0.250	0.249	100	90 - 110	

Duplicate - Batch: 480-110754

Method: 9012A
Preparation: 9012A

Lab Sample ID: 480-34951-4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/04/2013 1149
Prep Date: 04/03/2013 1730
Leach Date: N/A

Analysis Batch: 480-110948
Prep Batch: 480-110754
Leach Batch: N/A
Units: mg/L

Instrument ID: LACHAT2
Lab File ID: OM_4-4-2013_11-01-5
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Total	ND	ND	NC	15	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109289

Method: 9056
Preparation: N/A

Lab Sample ID:	MB 480-109289/4	Analysis Batch:	480-109289	Instrument ID:	Metrohm-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	480-0019989-004_BUF
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/26/2013 1604	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromide	ND		0.073	0.20
Chloride	ND		0.28	0.50
Sulfate	ND		0.35	2.0

Lab Control Sample - Batch: 480-109289

Method: 9056
Preparation: N/A

Lab Sample ID:	LCS 480-109289/3	Analysis Batch:	480-109289	Instrument ID:	Metrohm-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	480-0019989-003_BUF
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/26/2013 1551	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	2.00	1.92	96	90 - 110	
Chloride	20.0	20.5	103	90 - 110	
Sulfate	20.0	19.8	99	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109300

Method: 9056
Preparation: N/A

Lab Sample ID:	MB 480-109300/52	Analysis Batch:	480-109300	Instrument ID:	Metrohm-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	480-0019989-052_BUF
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/27/2013 0250	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromide	ND		0.073	0.20
Chloride	ND		0.28	0.50
Sulfate	0.728	J	0.35	2.0

Lab Control Sample - Batch: 480-109300

Method: 9056
Preparation: N/A

Lab Sample ID:	LCS 480-109300/51	Analysis Batch:	480-109300	Instrument ID:	Metrohm-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	480-0019989-051_BUF
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/27/2013 0237	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	2.00	1.91	96	90 - 110	
Chloride	20.0	20.9	105	90 - 110	
Sulfate	20.0	20.1	101	90 - 110	

Matrix Spike - Batch: 480-109300

Method: 9056
Preparation: N/A

Lab Sample ID:	480-34951-6	Analysis Batch:	480-109300	Instrument ID:	Metrohm-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	480-0019989-064_BUF
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/27/2013 0527	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				1 uL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	ND	2.50	2.48	99	90 - 110	
Chloride	6.9	25.0	33.2	105	90 - 110	
Sulfate	10	25.0	35.7	103	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109661

Method: 9056
Preparation: N/A

Lab Sample ID: MB 480-109661/76
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 2207
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109661
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: IC-2
Lab File ID: 032813-2_076.d
Initial Weight/Volume: 1 mL
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Bromide	ND		0.073	0.20
Chloride	ND		0.28	0.50
Sulfate	ND	^	0.35	2.0

Lab Control Sample - Batch: 480-109661

Method: 9056
Preparation: N/A

Lab Sample ID: LCS 480-109661/75
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 2156
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109661
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: IC-2
Lab File ID: 032813-2_075.d
Initial Weight/Volume: 1 mL
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	2.00	1.96	98	90 - 110	
Chloride	20.0	20.5	102	90 - 110	
Sulfate	20.0	21.8	109	90 - 110	^

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 480-109661

Method: 9056
Preparation: N/A

MS Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 2317
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109661
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: IC-2
Lab File ID: 032813-2_083.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 1 uL

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 2328
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109661
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: IC-2
Lab File ID: 032813-2_084.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	111	102	90 - 110	8	20	F	
Chloride	101	104	90 - 110	3	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109661**

**Method: 9056
Preparation: N/A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 2317
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/28/2013 2328
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Bromide	ND	2.50	2.50	2.77 F	2.54
Chloride	3.8	25.0	25.0	28.9	29.8

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109999

Method: 9056
Preparation: N/A

Lab Sample ID: MB 480-109999/28
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 2157
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109999
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: IC-2
Lab File ID: 032913-2_028.d
Initial Weight/Volume: 1 mL
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Bromide	ND		0.073	0.20
Chloride	ND		0.28	0.50
Sulfate	ND	^	0.35	2.0

Lab Control Sample - Batch: 480-109999

Method: 9056
Preparation: N/A

Lab Sample ID: LCS 480-109999/27
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 2147
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109999
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: IC-2
Lab File ID: 032913-2_027.d
Initial Weight/Volume: 1 mL
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	2.00	1.87	93	90 - 110	
Chloride	20.0	20.5	102	90 - 110	
Sulfate	20.0	21.4	107	90 - 110	^

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109999**

**Method: 9056
Preparation: N/A**

MS Lab Sample ID: 480-35108-23
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/30/2013 0109
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109999
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: IC-2
Lab File ID: 032913-2_047.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 1 uL

MSD Lab Sample ID: 480-35108-23
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/30/2013 0119
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109999
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: IC-2
Lab File ID: 032913-2_048.d
Initial Weight/Volume: 1 mL
Final Weight/Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Bromide	133	117	90 - 110	12	20	F	F
Chloride	98	99	90 - 110	0	20		
Sulfate	101	103	90 - 110	1	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109999**

**Method: 9056
Preparation: N/A**

MS Lab Sample ID: 480-35108-23
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/30/2013 0109
Prep Date: N/A
Leach Date: N/A

Units: mg/L

MSD Lab Sample ID: 480-35108-23
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/30/2013 0119
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS		MSD	
				Result/Qual	Amount	Result/Qual	Amount
Bromide	ND	2.50	2.50	3.32	F	2.93	F
Chloride	52	25.0	25.0	76.4		76.6	
Sulfate	16	25.0	25.0	40.9		41.3	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110009

Method: 9056
Preparation: N/A

Lab Sample ID:	MB 480-110009/4	Analysis Batch:	480-110009	Instrument ID:	IC-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	032913-1_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/29/2013 1915	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Bromide	ND		0.073	0.20
Chloride	ND		0.28	0.50
Sulfate	ND		0.35	2.0

Lab Control Sample - Batch: 480-110009

Method: 9056
Preparation: N/A

Lab Sample ID:	LCS 480-110009/3	Analysis Batch:	480-110009	Instrument ID:	IC-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	032913-1_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/29/2013 1905	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	2.00	2.04	102	90 - 110	
Chloride	20.0	20.0	100	90 - 110	
Sulfate	20.0	20.9	105	90 - 110	

Matrix Spike - Batch: 480-110009

Method: 9056
Preparation: N/A

Lab Sample ID:	480-34997-18	Analysis Batch:	480-110009	Instrument ID:	IC-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	032913-1_012.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/29/2013 2036	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				1 uL
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	9.4	25.0	33.7	97	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110009**

**Method: 9056
Preparation: N/A**

MS Lab Sample ID:	480-34997-19	Analysis Batch:	480-110009	Instrument ID:	IC-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	032913-1_016.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/29/2013 2117			Final Weight/Volume:	1 uL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	480-34997-19	Analysis Batch:	480-110009	Instrument ID:	IC-1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	032913-1_017.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 mL
Analysis Date:	03/29/2013 2127			Final Weight/Volume:	1 uL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Sulfate	104	103	90 - 110	1	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110009**

**Method: 9056
Preparation: N/A**

MS Lab Sample ID:	480-34997-19	Units:	mg/L	MSD Lab Sample ID:	480-34997-19
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/29/2013 2117			Analysis Date:	03/29/2013 2127
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Sulfate	27	25.0	25.0	53.1	52.7

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110015

Method: 9056
Preparation: N/A

Lab Sample ID: MB 480-110015/52
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/30/2013 0200
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110015
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: IC-2
Lab File ID: 032913-2_052.d
Initial Weight/Volume: 1 mL
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Bromide	ND		0.073	0.20
Chloride	ND		0.28	0.50
Sulfate	ND		0.35	2.0

Lab Control Sample - Batch: 480-110015

Method: 9056
Preparation: N/A

Lab Sample ID: LCS 480-110015/51
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/30/2013 0150
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110015
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: IC-2
Lab File ID: 032913-2_051.d
Initial Weight/Volume: 1 mL
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromide	2.00	2.02	101	90 - 110	
Chloride	20.0	20.4	102	90 - 110	
Sulfate	20.0	20.9	104	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109141

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 480-109141/3	Analysis Batch:	480-109141	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/26/2013 0232	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Color	ND		5.0	5.0

Lab Control Sample - Batch: 480-109141

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	LCS 480-109141/4	Analysis Batch:	480-109141	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/26/2013 0233	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Color	30.0	30.0	100	90 - 110	

Duplicate - Batch: 480-109141

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	480-34951-4	Analysis Batch:	480-109141	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/26/2013 0241	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Color	15	15.0	0	20	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109301

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 480-109301/3	Analysis Batch:	480-109301	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/26/2013 1545	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Color	ND		5.0	5.0

Lab Control Sample - Batch: 480-109301

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	LCS 480-109301/4	Analysis Batch:	480-109301	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/26/2013 1605	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Color	30.0	30.0	100	90 - 110	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109301**

Method: SM 2120B
Preparation: N/A

MS Lab Sample ID:	480-34997-19	Analysis Batch:	480-109301	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/26/2013 2005			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	480-34997-19	Analysis Batch:	480-109301	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/26/2013 2025			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Color	100	100	33 - 162	0	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109301**

**Method: SM 2120B
Preparation: N/A**

MS Lab Sample ID: 480-34997-19 Units: Color Units
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/26/2013 2005
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/26/2013 2025
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Color	30	20.0	20.0	50.0	50.0

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109520

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 480-109520/3	Analysis Batch:	480-109520	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 1549	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Color	ND		5.0	5.0

Lab Control Sample - Batch: 480-109520

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	LCS 480-109520/4	Analysis Batch:	480-109520	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/27/2013 1604	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Color	30.0	30.0	100	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109725

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	MB 480-109725/3	Analysis Batch:	480-109725	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1134	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Color	ND		5.0	5.0

Lab Control Sample - Batch: 480-109725

Method: SM 2120B
Preparation: N/A

Lab Sample ID:	LCS 480-109725/4	Analysis Batch:	480-109725	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	03/28/2013 1136	Units:	Color Units	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Color	30.0	30.0	100	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109312

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 480-109312/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/26/2013 1353
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109312
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak032613a.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Alkalinity, Total	ND		0.79	5.0

Lab Control Sample - Batch: 480-109312

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 480-109312/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/26/2013 1359
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109312
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak032613a.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	100	99.8	100	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109590

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 480-109590/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1245
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109590
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak032713.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Alkalinity, Total	2.20	J	0.79	5.0

Method Blank - Batch: 480-109590

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 480-109590/30
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/27/2013 1510
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109590
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak032713.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Alkalinity, Total	0.880	J	0.79	5.0

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Lab Control Sample - Batch: 480-109590

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 480-109590/7	Analysis Batch: 480-109590	Instrument ID: PC_Titrator
Client Matrix: Water	Prep Batch: N/A	Lab File ID: ak032713.TXT
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 25 mL
Analysis Date: 03/27/2013 1252	Units: mg/L	Final Weight/Volume: 25 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	100	97.8	98	90 - 110	

Lab Control Sample - Batch: 480-109590

Method: SM 2320B
Preparation: N/A

Lab Sample ID: LCS 480-109590/31	Analysis Batch: 480-109590	Instrument ID: PC_Titrator
Client Matrix: Water	Prep Batch: N/A	Lab File ID: ak032713.TXT
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 25 mL
Analysis Date: 03/27/2013 1516	Units: mg/L	Final Weight/Volume: 25 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	100	98.3	98	90 - 110	

Matrix Spike - Batch: 480-109590

Method: SM 2320B
Preparation: N/A

Lab Sample ID: 480-34951-4	Analysis Batch: 480-109590	Instrument ID: PC_Titrator
Client Matrix: Water	Prep Batch: N/A	Lab File ID: ak032713.TXT
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 25 mL
Analysis Date: 03/27/2013 1333	Units: mg/L	Final Weight/Volume: 25 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	150	100	233	78	42 - 116	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109590**

**Method: SM 2320B
Preparation: N/A**

MS Lab Sample ID:	480-34997-19	Analysis Batch:	480-109590	Instrument ID:	PC_Titrator
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	ak032713.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	03/27/2013 1530			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	480-34997-19	Analysis Batch:	480-109590	Instrument ID:	PC_Titrator
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	ak032713.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	03/27/2013 1537			Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Alkalinity, Total	61	59	42 - 116	1	20		

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109590**

**Method: SM 2320B
Preparation: N/A**

MS Lab Sample ID:	480-34997-19	Units:	mg/L	MSD Lab Sample ID:	480-34997-19
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/27/2013 1530			Analysis Date:	03/27/2013 1537
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Alkalinity, Total	340	100	100	398	395

Duplicate - Batch: 480-109590

**Method: SM 2320B
Preparation: N/A**

Lab Sample ID:	480-34951-3	Analysis Batch:	480-109590	Instrument ID:	PC_Titrator
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	ak032713.TXT
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	03/27/2013 1321	Units:	mg/L	Final Weight/Volume:	25 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	160	157	0.4	20	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-110407

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 480-110407/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0354
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110407
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak040213.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Alkalinity, Total	ND		0.79	5.0

Lab Control Sample - Batch: 480-110407

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 480-110407/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0401
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110407
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak040213.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	100	97.8	98	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110563

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 480-110563/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 2242
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110563
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak040213b.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Alkalinity, Total	ND		0.79	5.0

Lab Control Sample - Batch: 480-110563

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 480-110563/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 2248
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110563
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak040213b.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	100	97.7	98	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110761

Method: SM 2320B

Preparation: N/A

Lab Sample ID: MB 480-110761/6
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/03/2013 1340
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110761
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak040313a.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Result	Qual	MDL	RL
Alkalinity, Total	ND		0.79	5.0

Lab Control Sample - Batch: 480-110761

Method: SM 2320B

Preparation: N/A

Lab Sample ID: LCS 480-110761/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/03/2013 1346
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110761
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: PC_Titrator
Lab File ID: ak040313a.TXT
Initial Weight/Volume: 25 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	100	98.1	98	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109970

Method: SM 2340C

Preparation: N/A

Lab Sample ID: MB 480-109970/27
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0900
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109970
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: No Equipment
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hardness as calcium carbonate	ND		0.53	2.0

Method Blank - Batch: 480-109970

Method: SM 2340C

Preparation: N/A

Lab Sample ID: MB 480-109970/51
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 0900
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-109970
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: No Equipment
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Hardness as calcium carbonate	ND		0.53	2.0

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Lab Control Sample - Batch: 480-109970

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	LCS 480-109970/28	Analysis Batch:	480-109970	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	03/29/2013 0900	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hardness as calcium carbonate	154	150	97	90 - 110	

Lab Control Sample - Batch: 480-109970

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	LCS 480-109970/52	Analysis Batch:	480-109970	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	03/29/2013 0900	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hardness as calcium carbonate	154	154	100	90 - 110	

Duplicate - Batch: 480-109970

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	480-34951-3	Analysis Batch:	480-109970	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	03/29/2013 0900	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Hardness as calcium carbonate	120	120	2	15	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110296

Method: SM 2340C

Preparation: N/A

Lab Sample ID: MB 480-110296/3	Analysis Batch: 480-110296	Instrument ID: No Equipment
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 04/01/2013 1545	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Hardness as calcium carbonate	ND		0.53	2.0

Lab Control Sample - Batch: 480-110296

Method: SM 2340C

Preparation: N/A

Lab Sample ID: LCS 480-110296/4	Analysis Batch: 480-110296	Instrument ID: No Equipment
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 25 mL
Analysis Date: 04/01/2013 1545	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hardness as calcium carbonate	154	152	99	90 - 110	

Matrix Spike - Batch: 480-110296

Method: SM 2340C

Preparation: N/A

Lab Sample ID: 480-34951-4	Analysis Batch: 480-110296	Instrument ID: No Equipment
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 10 mL
Analysis Date: 04/01/2013 1545	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Hardness as calcium carbonate	130	500	645	104	74 - 130	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110487

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	MB 480-110487/3	Analysis Batch:	480-110487	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	04/02/2013 1300	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Hardness as calcium carbonate	ND		0.53	2.0

Lab Control Sample - Batch: 480-110487

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	LCS 480-110487/4	Analysis Batch:	480-110487	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	25 mL
Analysis Date:	04/02/2013 1300	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hardness as calcium carbonate	154	154	100	90 - 110	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110487**

Method: SM 2340C
Preparation: N/A

MS Lab Sample ID:	480-34997-19	Analysis Batch:	480-110487	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	04/02/2013 1300			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	480-34997-19	Analysis Batch:	480-110487	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	04/02/2013 1300			Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Hardness as calcium carbonate	102	99	74 - 130	2	15		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110487**

**Method: SM 2340C
Preparation: N/A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 1300
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 1300
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Hardness as calcium carbonate	350	500	500	855	840

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110717

Method: SM 2340C

Preparation: N/A

Lab Sample ID: MB 480-110717/3	Analysis Batch: 480-110717	Instrument ID: No Equipment
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 04/03/2013 1200	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	MDL	RL
Hardness as calcium carbonate	ND		0.53	2.0

Lab Control Sample - Batch: 480-110717

Method: SM 2340C

Preparation: N/A

Lab Sample ID: LCS 480-110717/4	Analysis Batch: 480-110717	Instrument ID: No Equipment
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 25 mL
Analysis Date: 04/03/2013 1200	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hardness as calcium carbonate	154	152	99	90 - 110	

Matrix Spike - Batch: 480-110717

Method: SM 2340C

Preparation: N/A

Lab Sample ID: 480-35108-23	Analysis Batch: 480-110717	Instrument ID: No Equipment
Client Matrix: Water	Prep Batch: N/A	Lab File ID: N/A
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 10 mL
Analysis Date: 04/03/2013 1200	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Hardness as calcium carbonate	200	500	675	96	74 - 130	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Duplicate - Batch: 480-110717

Method: SM 2340C
Preparation: N/A

Lab Sample ID:	480-35108-24	Analysis Batch:	480-110717	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	04/03/2013 1200	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Hardness as calcium carbonate	150	150	0	15	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109124

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 480-109124/1	Analysis Batch:	480-109124	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/26/2013 0036	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.0	10

Lab Control Sample - Batch: 480-109124

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	LCS 480-109124/2	Analysis Batch:	480-109124	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/26/2013 0037	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	502	490	98	85 - 115	

Duplicate - Batch: 480-109124

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	480-34951-6	Analysis Batch:	480-109124	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/26/2013 0053	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	120	131	6	20	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109555

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 480-109555/1	Analysis Batch:	480-109555	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/27/2013 1922	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.0	10

Lab Control Sample - Batch: 480-109555

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	LCS 480-109555/2	Analysis Batch:	480-109555	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/27/2013 1922	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	502	477	95	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-109797

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 480-109797/1	Analysis Batch:	480-109797	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/28/2013 1835	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.0	10

Lab Control Sample - Batch: 480-109797

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	LCS 480-109797/2	Analysis Batch:	480-109797	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/28/2013 1838	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	502	498	99	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Method Blank - Batch: 480-109827

Method: SM 2540C

Preparation: N/A

Lab Sample ID:	MB 480-109827/1	Analysis Batch:	480-109827	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/28/2013 2302	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.0	10

Lab Control Sample - Batch: 480-109827

Method: SM 2540C

Preparation: N/A

Lab Sample ID:	LCS 480-109827/2	Analysis Batch:	480-109827	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/28/2013 2304	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	502	508	101	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110032

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 480-110032/1	Analysis Batch:	480-110032	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/29/2013 2132	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.0	10

Lab Control Sample - Batch: 480-110032

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	LCS 480-110032/2	Analysis Batch:	480-110032	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	03/29/2013 2133	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	502	532	106	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110330

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	MB 480-110330/1	Analysis Batch:	480-110330	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/01/2013 2232	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Dissolved Solids	ND		4.0	10

Lab Control Sample - Batch: 480-110330

Method: SM 2540C
Preparation: N/A

Lab Sample ID:	LCS 480-110330/2	Analysis Batch:	480-110330	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	04/01/2013 2234	Units:	mg/L	Final Weight/Volume:	100 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	501	488	97	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Unseeded Control Blank - Batch: 480-109132

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	USB 480-109132/1	Analysis Batch:	480-109132	Instrument ID:	BOD1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/25/2013 2135	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Biochemical Oxygen Demand	ND		2.0	2.0

Lab Control Sample - Batch: 480-109132

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	LCS 480-109132/2	Analysis Batch:	480-109132	Instrument ID:	BOD1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/25/2013 2135	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Biochemical Oxygen Demand	198	187	95	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Unseeded Control Blank - Batch: 480-109325

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	USB 480-109325/1	Analysis Batch:	480-109325	Instrument ID:	BOD1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/26/2013 1823	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Biochemical Oxygen Demand	ND		2.0	2.0

Lab Control Sample - Batch: 480-109325

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	LCS 480-109325/2	Analysis Batch:	480-109325	Instrument ID:	BOD1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/26/2013 1823	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Biochemical Oxygen Demand	198	182	92	85 - 115	

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 480-109325

Method: SM 5210B

Preparation: N/A

MS Lab Sample ID:	480-34997-19	Analysis Batch:	480-109325	Instrument ID:	BOD1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/26/2013 1823			Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	480-34997-19	Analysis Batch:	480-109325	Instrument ID:	BOD1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/26/2013 1823			Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Biochemical Oxygen Demand	79	76	32 - 139	4	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-109325**

**Method: SM 5210B
Preparation: N/A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 5.0
Analysis Date: 03/26/2013 1823
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 5.0
Analysis Date: 03/26/2013 1823
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Biochemical Oxygen Demand	ND	198	198	157	151

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Unseeded Control Blank - Batch: 480-109557

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	USB 480-109557/1	Analysis Batch:	480-109557	Instrument ID:	BOD1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/27/2013 1920	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Biochemical Oxygen Demand	ND		2.0	2.0

Lab Control Sample - Batch: 480-109557

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	LCS 480-109557/2	Analysis Batch:	480-109557	Instrument ID:	BOD1
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/27/2013 1920	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Biochemical Oxygen Demand	198	195	99	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Unseeded Control Blank - Batch: 480-109748

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	USB 480-109748/1	Analysis Batch:	480-109748	Instrument ID:	BOD2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/28/2013 0928	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Biochemical Oxygen Demand	ND		2.0	2.0

Lab Control Sample - Batch: 480-109748

Method: SM 5210B

Preparation: N/A

Lab Sample ID:	LCS 480-109748/2	Analysis Batch:	480-109748	Instrument ID:	BOD2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	300 mL
Analysis Date:	03/28/2013 0928	Units:	mg/L	Final Weight/Volume:	300 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Biochemical Oxygen Demand	198	186	94	85 - 115	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110095

Method: SM 5310D

Preparation: N/A

Lab Sample ID: MB 480-110095/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1813
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110095
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: TOC1010
Lab File ID: 004.rtt
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		0.43	1.0

Lab Control Sample - Batch: 480-110095

Method: SM 5310D

Preparation: N/A

Lab Sample ID: LCS 480-110095/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/29/2013 1832
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110095
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: TOC1010
Lab File ID: 005.rtt
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	60.0	64.2	107	90 - 110	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110454

Method: SM 5310D
Preparation: N/A

Lab Sample ID: MB 480-110454/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/01/2013 1906
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110454
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: TOC1010
Lab File ID: 004.rtt
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		0.43	1.0

Method Blank - Batch: 480-110454

Method: SM 5310D
Preparation: N/A

Lab Sample ID: MB 480-110454/27
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0259
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110454
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: TOC1010
Lab File ID: 028.rtt
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		0.43	1.0

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Lab Control Sample - Batch: 480-110454

Method: SM 5310D
Preparation: N/A

Lab Sample ID:	LCS 480-110454/4	Analysis Batch:	480-110454	Instrument ID:	TOC1010
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	005.rtf
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/01/2013 1925	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	60.0	62.6	104	90 - 110	

Lab Control Sample - Batch: 480-110454

Method: SM 5310D
Preparation: N/A

Lab Sample ID:	LCS 480-110454/28	Analysis Batch:	480-110454	Instrument ID:	TOC1010
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	029.rtf
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	04/02/2013 0318	Units:	mg/L	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	60.0	63.9	107	90 - 110	

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110454**

Method: SM 5310D
Preparation: N/A

MS Lab Sample ID:	480-34997-19	Analysis Batch:	480-110454	Instrument ID:	TOC1010
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	044.rtf
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	04/02/2013 0814			Final Weight/Volume:	40 mL
Prep Date:	N/A				
Leach Date:	N/A				

MSD Lab Sample ID:	480-34997-19	Analysis Batch:	480-110454	Instrument ID:	TOC1010
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	045.rtf
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	04/02/2013 0834			Final Weight/Volume:	40 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Organic Carbon	125	114	54 - 131	9	20		

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-110454**

**Method: SM 5310D
Preparation: N/A**

MS Lab Sample ID: 480-34997-19 Units: mg/L
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0814
Prep Date: N/A
Leach Date: N/A

MSD Lab Sample ID: 480-34997-19
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 0834
Prep Date: N/A
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Total Organic Carbon	1.3	22.3	22.3	29.2	26.7

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
Sdg Number: 34951

Method Blank - Batch: 480-110596

Method: SM 5310D

Preparation: N/A

Lab Sample ID: MB 480-110596/3
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 1546
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110596
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: TOC1010
Lab File ID: 004.rtt
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	ND		0.43	1.0

Lab Control Sample - Batch: 480-110596

Method: SM 5310D

Preparation: N/A

Lab Sample ID: LCS 480-110596/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 04/02/2013 1605
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 480-110596
Prep Batch: N/A
Leach Batch: N/A
Units: mg/L

Instrument ID: TOC1010
Lab File ID: 005.rtt
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Organic Carbon	60.0	62.1	103	90 - 110	

DATA REPORTING QUALIFIERS

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

Lab Section	Qualifier	Description
GC/MS VOA	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	W	PS: Post-digestion spike was outside control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry	B	Compound was found in the blank and sample.
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits
	b	Result Detected in the Unseeded Control blank (USB).
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-109569					
LCS 480-109569/3	Lab Control Sample	T	Water	8260B	
MB 480-109569/4	Method Blank	T	Water	8260B	
480-34951-1	PZ-3M	T	Water	8260B	
480-34951-2	PZ-1M	T	Water	8260B	
480-34951-3	PZ-6D	T	Water	8260B	
480-34951-4	PZ-6M	T	Water	8260B	
480-34951-5	PZ-9D	T	Water	8260B	
480-34951-6	PZ-9M	T	Water	8260B	
Analysis Batch:480-109700					
LCS 480-109700/3	Lab Control Sample	T	Water	8260B	
MB 480-109700/4	Method Blank	T	Water	8260B	
480-34951-7TB	Trip Blank	T	Water	8260B	
Analysis Batch:480-109803					
LCS 480-109803/4	Lab Control Sample	T	Water	8260B	
MB 480-109803/5	Method Blank	T	Water	8260B	
480-34997-17	PZ-20M	T	Water	8260B	
480-34997-18	PZ-10M	T	Water	8260B	
480-34997-19	DRAIN TILE 2	T	Water	8260B	
480-34997-19MS	Matrix Spike	T	Water	8260B	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	8260B	
480-34997-20TB	Trip Blank	T	Water	8260B	
Analysis Batch:480-109878					
LCS 480-109878/4	Lab Control Sample	T	Water	8260B	
MB 480-109878/5	Method Blank	T	Water	8260B	
480-35108-17	PZ-17D	T	Water	8260B	
480-35108-18	PZ-13D	T	Water	8260B	
480-35108-19	PZ-13M	T	Water	8260B	
480-35108-20	PZ-19D	T	Water	8260B	
480-35108-21	PZ-16D	T	Water	8260B	
480-35108-22	PZ-18M	T	Water	8260B	
480-35108-23	PZ-14M	T	Water	8260B	
480-35108-24FD	Field Duplicate	T	Water	8260B	
480-35108-25EB	Equipment Blank	T	Water	8260B	
480-35108-26TB	Trip Blank	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 480-109171					
LCS 480-109171/2-A	Lab Control Sample	T	Water	7470A	
MB 480-109171/1-A	Method Blank	T	Water	7470A	
480-34951-1	PZ-3M	T	Water	7470A	
480-34951-2	PZ-1M	T	Water	7470A	
480-34951-3	PZ-6D	T	Water	7470A	
480-34951-4	PZ-6M	T	Water	7470A	
480-34951-5	PZ-9D	T	Water	7470A	
Prep Batch: 480-109283					
LCS 480-109283/2-A	Lab Control Sample	T	Water	3005A	
MB 480-109283/1-A	Method Blank	T	Water	3005A	
480-34951-1	PZ-3M	T	Water	3005A	
480-34951-2	PZ-1M	T	Water	3005A	
480-34951-3	PZ-6D	T	Water	3005A	
480-34951-3MS	Matrix Spike	T	Water	3005A	
480-34951-3MSD	Matrix Spike Duplicate	T	Water	3005A	
480-34951-4	PZ-6M	T	Water	3005A	
480-34951-5	PZ-9D	T	Water	3005A	
480-34951-6	PZ-9M	T	Water	3005A	
Analysis Batch: 480-109286					
LCS 480-109171/2-A	Lab Control Sample	T	Water	7470A	480-109171
MB 480-109171/1-A	Method Blank	T	Water	7470A	480-109171
480-34951-1	PZ-3M	T	Water	7470A	480-109171
480-34951-2	PZ-1M	T	Water	7470A	480-109171
480-34951-3	PZ-6D	T	Water	7470A	480-109171
480-34951-4	PZ-6M	T	Water	7470A	480-109171
480-34951-5	PZ-9D	T	Water	7470A	480-109171
Prep Batch: 480-109372					
LCS 480-109372/2-A	Lab Control Sample	T	Water	7470A	
MB 480-109372/1-A	Method Blank	T	Water	7470A	
480-34997-17	PZ-20M	T	Water	7470A	
480-34997-18	PZ-10M	T	Water	7470A	
480-34997-19	DRAIN TILE 2	T	Water	7470A	
480-34997-19MS	Matrix Spike	T	Water	7470A	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	7470A	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 480-109404					
LCS 480-109404/2-A	Lab Control Sample	T	Water	3005A	
MB 480-109404/1-A	Method Blank	T	Water	3005A	
480-34997-17	PZ-20M	T	Water	3005A	
480-34997-18	PZ-10M	T	Water	3005A	
480-34997-19	DRAIN TILE 2	T	Water	3005A	
480-34997-19MS	Matrix Spike	T	Water	3005A	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	3005A	
Analysis Batch:480-109519					
LCS 480-109372/2-A	Lab Control Sample	T	Water	7470A	480-109372
MB 480-109372/1-A	Method Blank	T	Water	7470A	480-109372
480-34997-17	PZ-20M	T	Water	7470A	480-109372
480-34997-18	PZ-10M	T	Water	7470A	480-109372
480-34997-19	DRAIN TILE 2	T	Water	7470A	480-109372
480-34997-19MS	Matrix Spike	T	Water	7470A	480-109372
480-34997-19MSD	Matrix Spike Duplicate	T	Water	7470A	480-109372
Analysis Batch:480-109619					
LCS 480-109283/2-A	Lab Control Sample	T	Water	6010B	480-109283
MB 480-109283/1-A	Method Blank	T	Water	6010B	480-109283
480-34951-1	PZ-3M	T	Water	6010B	480-109283
480-34951-2	PZ-1M	T	Water	6010B	480-109283
480-34951-3	PZ-6D	T	Water	6010B	480-109283
480-34951-3MS	Matrix Spike	T	Water	6010B	480-109283
480-34951-3MSD	Matrix Spike Duplicate	T	Water	6010B	480-109283
480-34951-4	PZ-6M	T	Water	6010B	480-109283
480-34951-5	PZ-9D	T	Water	6010B	480-109283
480-34951-6	PZ-9M	T	Water	6010B	480-109283
Analysis Batch:480-109652					
LCS 480-109404/2-A	Lab Control Sample	T	Water	6010B	480-109404
MB 480-109404/1-A	Method Blank	T	Water	6010B	480-109404
480-34997-17	PZ-20M	T	Water	6010B	480-109404
480-34997-18	PZ-10M	T	Water	6010B	480-109404
480-34997-19	DRAIN TILE 2	T	Water	6010B	480-109404
480-34997-19MS	Matrix Spike	T	Water	6010B	480-109404
480-34997-19MSD	Matrix Spike Duplicate	T	Water	6010B	480-109404

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 480-109673					
LCS 480-109673/2-A	Lab Control Sample	T	Water	3005A	
MB 480-109673/1-A	Method Blank	T	Water	3005A	
480-35108-17	PZ-17D	T	Water	3005A	
480-35108-18	PZ-13D	T	Water	3005A	
480-35108-18MS	Matrix Spike	T	Water	3005A	
480-35108-18MSD	Matrix Spike Duplicate	T	Water	3005A	
480-35108-19	PZ-13M	T	Water	3005A	
480-35108-20	PZ-19D	T	Water	3005A	
480-35108-21	PZ-16D	T	Water	3005A	
480-35108-22	PZ-18M	T	Water	3005A	
480-35108-23	PZ-14M	T	Water	3005A	
480-35108-24FD	Field Duplicate	T	Water	3005A	
480-35108-25EB	Equipment Blank	T	Water	3005A	
Prep Batch: 480-109867					
LCS 480-109867/2-A	Lab Control Sample	T	Water	7470A	
MB 480-109867/1-A	Method Blank	T	Water	7470A	
480-35108-17	PZ-17D	T	Water	7470A	
480-35108-18	PZ-13D	T	Water	7470A	
480-35108-19	PZ-13M	T	Water	7470A	
480-35108-20	PZ-19D	T	Water	7470A	
480-35108-21	PZ-16D	T	Water	7470A	
480-35108-22	PZ-18M	T	Water	7470A	
480-35108-23	PZ-14M	T	Water	7470A	
480-35108-24FD	Field Duplicate	T	Water	7470A	
480-35108-25EB	Equipment Blank	T	Water	7470A	
Analysis Batch:480-109897					
LCS 480-109673/2-A	Lab Control Sample	T	Water	6010B	480-109673
MB 480-109673/1-A	Method Blank	T	Water	6010B	480-109673
480-35108-17	PZ-17D	T	Water	6010B	480-109673
480-35108-18	PZ-13D	T	Water	6010B	480-109673
480-35108-18MS	Matrix Spike	T	Water	6010B	480-109673
480-35108-18MSD	Matrix Spike Duplicate	T	Water	6010B	480-109673
480-35108-19	PZ-13M	T	Water	6010B	480-109673
480-35108-20	PZ-19D	T	Water	6010B	480-109673
480-35108-21	PZ-16D	T	Water	6010B	480-109673
480-35108-22	PZ-18M	T	Water	6010B	480-109673
480-35108-23	PZ-14M	T	Water	6010B	480-109673
480-35108-24FD	Field Duplicate	T	Water	6010B	480-109673
480-35108-25EB	Equipment Blank	T	Water	6010B	480-109673

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:480-109956					
LCS 480-109867/2-A	Lab Control Sample	T	Water	7470A	480-109867
MB 480-109867/1-A	Method Blank	T	Water	7470A	480-109867
480-35108-17	PZ-17D	T	Water	7470A	480-109867
480-35108-18	PZ-13D	T	Water	7470A	480-109867
480-35108-19	PZ-13M	T	Water	7470A	480-109867
480-35108-20	PZ-19D	T	Water	7470A	480-109867
480-35108-21	PZ-16D	T	Water	7470A	480-109867
480-35108-22	PZ-18M	T	Water	7470A	480-109867
480-35108-23	PZ-14M	T	Water	7470A	480-109867
480-35108-24FD	Field Duplicate	T	Water	7470A	480-109867
480-35108-25EB	Equipment Blank	T	Water	7470A	480-109867
Analysis Batch:480-110066					
480-35108-20	PZ-19D	T	Water	6010B	480-109673
480-35108-21	PZ-16D	T	Water	6010B	480-109673
480-35108-22	PZ-18M	T	Water	6010B	480-109673
480-35108-23	PZ-14M	T	Water	6010B	480-109673
480-35108-24FD	Field Duplicate	T	Water	6010B	480-109673
480-35108-25EB	Equipment Blank	T	Water	6010B	480-109673
Prep Batch: 480-111146					
LCS 480-111146/2-A	Lab Control Sample	T	Water	7470A	
MB 480-111146/1-A	Method Blank	T	Water	7470A	
480-34951-6	PZ-9M	T	Water	7470A	
Analysis Batch:480-111227					
LCS 480-111146/2-A	Lab Control Sample	T	Water	7470A	480-111146
MB 480-111146/1-A	Method Blank	T	Water	7470A	480-111146
480-34951-6	PZ-9M	T	Water	7470A	480-111146

Report Basis

T = Total

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report			Prep Batch
		Basis	Client Matrix	Method	
Field Service / Mobile Lab					
Analysis Batch:480-109939					
480-34951-1	PZ-3M	T	Water	Field Sampling	
480-34951-2	PZ-1M	T	Water	Field Sampling	
480-34951-3	PZ-6D	T	Water	Field Sampling	
480-34951-4	PZ-6M	T	Water	Field Sampling	
480-34951-5	PZ-9D	T	Water	Field Sampling	
480-34951-6	PZ-9M	T	Water	Field Sampling	
480-34997-17	PZ-20M	T	Water	Field Sampling	
480-34997-18	PZ-10M	T	Water	Field Sampling	
480-34997-19	DRAIN TILE 2	T	Water	Field Sampling	
480-35108-17	PZ-17D	T	Water	Field Sampling	
480-35108-18	PZ-13D	T	Water	Field Sampling	
480-35108-19	PZ-13M	T	Water	Field Sampling	
480-35108-20	PZ-19D	T	Water	Field Sampling	
480-35108-21	PZ-16D	T	Water	Field Sampling	
480-35108-22	PZ-18M	T	Water	Field Sampling	
480-35108-23	PZ-14M	T	Water	Field Sampling	
480-35108-24FD	Field Duplicate	T	Water	Field Sampling	

Report Basis

T = Total

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:480-109117					
LCS 480-109117/4	Lab Control Sample	T	Water	7196A	
MB 480-109117/3	Method Blank	T	Water	7196A	
480-34951-1	PZ-3M	T	Water	7196A	
480-34951-1MS	Matrix Spike	T	Water	7196A	
480-34951-2	PZ-1M	T	Water	7196A	
480-34951-3	PZ-6D	T	Water	7196A	
480-34951-4	PZ-6M	T	Water	7196A	
480-34951-5	PZ-9D	T	Water	7196A	
480-34951-6	PZ-9M	T	Water	7196A	
480-34951-6DU	Duplicate	T	Water	7196A	
Analysis Batch:480-109124					
LCS 480-109124/2	Lab Control Sample	T	Water	SM 2540C	
MB 480-109124/1	Method Blank	T	Water	SM 2540C	
480-34951-1	PZ-3M	T	Water	SM 2540C	
480-34951-2	PZ-1M	T	Water	SM 2540C	
480-34951-3	PZ-6D	T	Water	SM 2540C	
480-34951-4	PZ-6M	T	Water	SM 2540C	
480-34951-5	PZ-9D	T	Water	SM 2540C	
480-34951-6	PZ-9M	T	Water	SM 2540C	
480-34951-6DU	Duplicate	T	Water	SM 2540C	
Analysis Batch:480-109132					
LCS 480-109132/2	Lab Control Sample	T	Water	SM 5210B	
USB 480-109132/1	Unseeded Control Blank	T	Water	SM 5210B	
480-34951-1	PZ-3M	T	Water	SM 5210B	
480-34951-2	PZ-1M	T	Water	SM 5210B	
480-34951-3	PZ-6D	T	Water	SM 5210B	
480-34951-4	PZ-6M	T	Water	SM 5210B	
480-34951-5	PZ-9D	T	Water	SM 5210B	
480-34951-6	PZ-9M	T	Water	SM 5210B	
Analysis Batch:480-109141					
LCS 480-109141/4	Lab Control Sample	T	Water	SM 2120B	
MB 480-109141/3	Method Blank	T	Water	SM 2120B	
480-34951-1	PZ-3M	T	Water	SM 2120B	
480-34951-2	PZ-1M	T	Water	SM 2120B	
480-34951-3	PZ-6D	T	Water	SM 2120B	
480-34951-4	PZ-6M	T	Water	SM 2120B	
480-34951-4DU	Duplicate	T	Water	SM 2120B	
480-34951-5	PZ-9D	T	Water	SM 2120B	
480-34951-6	PZ-9M	T	Water	SM 2120B	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-109289					
LCS 480-109289/3	Lab Control Sample	T	Water	9056	
MB 480-109289/4	Method Blank	T	Water	9056	
480-34951-1	PZ-3M	T	Water	9056	
480-34951-2	PZ-1M	T	Water	9056	
480-34951-3	PZ-6D	T	Water	9056	
480-34951-4	PZ-6M	T	Water	9056	
480-34951-5	PZ-9D	T	Water	9056	
Prep Batch: 480-109295					
LCS 480-109295/1-A	Lab Control Sample	T	Water	Distill/Ammonia	
MB 480-109295/2-A	Method Blank	T	Water	Distill/Ammonia	
480-34951-1	PZ-3M	T	Water	Distill/Ammonia	
480-34951-2	PZ-1M	T	Water	Distill/Ammonia	
480-34951-3	PZ-6D	T	Water	Distill/Ammonia	
480-34951-4	PZ-6M	T	Water	Distill/Ammonia	
480-34951-4DU	Duplicate	T	Water	Distill/Ammonia	
480-34951-5	PZ-9D	T	Water	Distill/Ammonia	
480-34951-5MS	Matrix Spike	T	Water	Distill/Ammonia	
Analysis Batch:480-109300					
LCS 480-109300/51	Lab Control Sample	T	Water	9056	
MB 480-109300/52	Method Blank	T	Water	9056	
480-34951-6	PZ-9M	T	Water	9056	
480-34951-6MS	Matrix Spike	T	Water	9056	
Analysis Batch:480-109301					
LCS 480-109301/4	Lab Control Sample	T	Water	SM 2120B	
MB 480-109301/3	Method Blank	T	Water	SM 2120B	
480-34997-17	PZ-20M	T	Water	SM 2120B	
480-34997-18	PZ-10M	T	Water	SM 2120B	
480-34997-19	DRAIN TILE 2	T	Water	SM 2120B	
480-34997-19MS	Matrix Spike	T	Water	SM 2120B	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	SM 2120B	
Analysis Batch:480-109312					
LCS 480-109312/7	Lab Control Sample	T	Water	SM 2320B	
MB 480-109312/6	Method Blank	T	Water	SM 2320B	
480-34951-1	PZ-3M	T	Water	SM 2320B	
480-34951-2	PZ-1M	T	Water	SM 2320B	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-109321					
LCS 480-109295/1-A	Lab Control Sample	T	Water	350.1	480-109295
MB 480-109295/2-A	Method Blank	T	Water	350.1	480-109295
480-34951-1	PZ-3M	T	Water	350.1	480-109295
480-34951-2	PZ-1M	T	Water	350.1	480-109295
480-34951-3	PZ-6D	T	Water	350.1	480-109295
480-34951-4	PZ-6M	T	Water	350.1	480-109295
480-34951-4DU	Duplicate	T	Water	350.1	480-109295
480-34951-5	PZ-9D	T	Water	350.1	480-109295
480-34951-5MS	Matrix Spike	T	Water	350.1	480-109295
Analysis Batch:480-109325					
LCS 480-109325/2	Lab Control Sample	T	Water	SM 5210B	
USB 480-109325/1	Unseeded Control Blank	T	Water	SM 5210B	
480-34997-17	PZ-20M	T	Water	SM 5210B	
480-34997-18	PZ-10M	T	Water	SM 5210B	
480-34997-19	DRAIN TILE 2	T	Water	SM 5210B	
480-34997-19MS	Matrix Spike	T	Water	SM 5210B	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	SM 5210B	
Analysis Batch:480-109330					
480-34951-1	PZ-3M	T	Water	353.2	
480-34951-2	PZ-1M	T	Water	353.2	
480-34951-3	PZ-6D	T	Water	353.2	
480-34951-4	PZ-6M	T	Water	353.2	
480-34951-5	PZ-9D	T	Water	353.2	
480-34951-6	PZ-9M	T	Water	353.2	
Analysis Batch:480-109341					
LCS 480-109341/4	Lab Control Sample	T	Water	7196A	
MB 480-109341/3	Method Blank	T	Water	7196A	
480-34997-17	PZ-20M	T	Water	7196A	
480-34997-18	PZ-10M	T	Water	7196A	
480-34997-19	DRAIN TILE 2	T	Water	7196A	
480-34997-19MS	Matrix Spike	T	Water	7196A	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	7196A	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 480-109452					
LCS 480-109452/2-A	Lab Control Sample	T	Water	351.2	
MB 480-109452/1-A	Method Blank	T	Water	351.2	
480-34951-1	PZ-3M	T	Water	351.2	
480-34951-3	PZ-6D	T	Water	351.2	
480-34951-4	PZ-6M	T	Water	351.2	
480-34951-5	PZ-9D	T	Water	351.2	
480-34951-6	PZ-9M	T	Water	351.2	
480-34997-17	PZ-20M	T	Water	351.2	
480-34997-18	PZ-10M	T	Water	351.2	
480-34997-19	DRAIN TILE 2	T	Water	351.2	
480-34997-19MS	Matrix Spike	T	Water	351.2	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	351.2	
Prep Batch: 480-109489					
LCS 480-109489/2-A	Lab Control Sample	T	Water	9012A	
MB 480-109489/1-A	Method Blank	T	Water	9012A	
480-34951-1	PZ-3M	T	Water	9012A	
Analysis Batch:480-109520					
LCS 480-109520/4	Lab Control Sample	T	Water	SM 2120B	
MB 480-109520/3	Method Blank	T	Water	SM 2120B	
480-35108-17	PZ-17D	T	Water	SM 2120B	
480-35108-18	PZ-13D	T	Water	SM 2120B	
480-35108-19	PZ-13M	T	Water	SM 2120B	
480-35108-20	PZ-19D	T	Water	SM 2120B	
480-35108-21	PZ-16D	T	Water	SM 2120B	
480-35108-22	PZ-18M	T	Water	SM 2120B	
480-35108-23	PZ-14M	T	Water	SM 2120B	
480-35108-24FD	Field Duplicate	T	Water	SM 2120B	
Analysis Batch:480-109525					
480-34997-17	PZ-20M	T	Water	353.2	
480-34997-18	PZ-10M	T	Water	353.2	
480-34997-19	DRAIN TILE 2	T	Water	353.2	
Analysis Batch:480-109555					
LCS 480-109555/2	Lab Control Sample	T	Water	SM 2540C	
MB 480-109555/1	Method Blank	T	Water	SM 2540C	
480-34997-17	PZ-20M	T	Water	SM 2540C	
480-34997-18	PZ-10M	T	Water	SM 2540C	
480-34997-19	DRAIN TILE 2	T	Water	SM 2540C	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-109557					
LCS 480-109557/2	Lab Control Sample	T	Water	SM 5210B	
USB 480-109557/1	Unseeded Control Blank	T	Water	SM 5210B	
480-35108-17	PZ-17D	T	Water	SM 5210B	
480-35108-18	PZ-13D	T	Water	SM 5210B	
480-35108-20	PZ-19D	T	Water	SM 5210B	
480-35108-21	PZ-16D	T	Water	SM 5210B	
480-35108-22	PZ-18M	T	Water	SM 5210B	
480-35108-23	PZ-14M	T	Water	SM 5210B	
480-35108-24FD	Field Duplicate	T	Water	SM 5210B	
Analysis Batch:480-109561					
LCS 480-109561/4	Lab Control Sample	T	Water	7196A	
MB 480-109561/3	Method Blank	T	Water	7196A	
480-35108-17	PZ-17D	T	Water	7196A	
480-35108-18	PZ-13D	T	Water	7196A	
480-35108-18DU	Duplicate	T	Water	7196A	
480-35108-18MS	Matrix Spike	T	Water	7196A	
480-35108-19	PZ-13M	T	Water	7196A	
480-35108-20	PZ-19D	T	Water	7196A	
480-35108-21	PZ-16D	T	Water	7196A	
480-35108-22	PZ-18M	T	Water	7196A	
480-35108-23	PZ-14M	T	Water	7196A	
480-35108-23DU	Duplicate	T	Water	7196A	
480-35108-24FD	Field Duplicate	T	Water	7196A	
480-35108-25EB	Equipment Blank	T	Water	7196A	
480-35108-25MS	Matrix Spike	T	Water	7196A	
Prep Batch: 480-109577					
LCS 480-109577/2-A	Lab Control Sample	T	Water	9012A	
MB 480-109577/1-A	Method Blank	T	Water	9012A	
480-34997-19	DRAIN TILE 2	T	Water	9012A	
480-34997-19MS	Matrix Spike	T	Water	9012A	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	9012A	
Analysis Batch:480-109585					
480-35108-17	PZ-17D	T	Water	353.2	
480-35108-23	PZ-14M	T	Water	353.2	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-109586					
480-35108-18	PZ-13D	T	Water	353.2	
480-35108-19	PZ-13M	T	Water	353.2	
480-35108-20	PZ-19D	T	Water	353.2	
480-35108-21	PZ-16D	T	Water	353.2	
480-35108-22	PZ-18M	T	Water	353.2	
480-35108-24FD	Field Duplicate	T	Water	353.2	
480-35108-25EB	Equipment Blank	T	Water	353.2	
Analysis Batch:480-109590					
LCS 480-109590/31	Lab Control Sample	T	Water	SM 2320B	
LCS 480-109590/7	Lab Control Sample	T	Water	SM 2320B	
MB 480-109590/30	Method Blank	T	Water	SM 2320B	
MB 480-109590/6	Method Blank	T	Water	SM 2320B	
480-34951-3	PZ-6D	T	Water	SM 2320B	
480-34951-3DU	Duplicate	T	Water	SM 2320B	
480-34951-4	PZ-6M	T	Water	SM 2320B	
480-34951-4MS	Matrix Spike	T	Water	SM 2320B	
480-34951-5	PZ-9D	T	Water	SM 2320B	
480-34951-6	PZ-9M	T	Water	SM 2320B	
480-34997-17	PZ-20M	T	Water	SM 2320B	
480-34997-18	PZ-10M	T	Water	SM 2320B	
480-34997-19	DRAIN TILE 2	T	Water	SM 2320B	
480-34997-19MS	Matrix Spike	T	Water	SM 2320B	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	SM 2320B	
Analysis Batch:480-109661					
LCS 480-109661/75	Lab Control Sample	T	Water	9056	
MB 480-109661/76	Method Blank	T	Water	9056	
480-34997-17	PZ-20M	T	Water	9056	
480-34997-18	PZ-10M	T	Water	9056	
480-34997-19	DRAIN TILE 2	T	Water	9056	
480-34997-19MS	Matrix Spike	T	Water	9056	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	9056	
Analysis Batch:480-109685					
LCS 480-109489/2-A	Lab Control Sample	T	Water	9012A	480-109489
MB 480-109489/1-A	Method Blank	T	Water	9012A	480-109489
LCS 480-109577/2-A	Lab Control Sample	T	Water	9012A	480-109577
MB 480-109577/1-A	Method Blank	T	Water	9012A	480-109577
480-34951-1	PZ-3M	T	Water	9012A	480-109489
480-34997-19	DRAIN TILE 2	T	Water	9012A	480-109577
480-34997-19MS	Matrix Spike	T	Water	9012A	480-109577
480-34997-19MSD	Matrix Spike Duplicate	T	Water	9012A	480-109577

TestAmerica Buffalo

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-109725					
LCS 480-109725/4	Lab Control Sample	T	Water	SM 2120B	
MB 480-109725/3	Method Blank	T	Water	SM 2120B	
480-35108-25EB	Equipment Blank	T	Water	SM 2120B	
Analysis Batch:480-109748					
LCS 480-109748/2	Lab Control Sample	T	Water	SM 5210B	
USB 480-109748/1	Unseeded Control Blank	T	Water	SM 5210B	
480-35108-19	PZ-13M	T	Water	SM 5210B	
480-35108-25EB	Equipment Blank	T	Water	SM 5210B	
Prep Batch: 480-109752					
LCS 480-109752/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 480-109752/1-A	Method Blank	T	Water	Distill/Phenol	
480-34951-1	PZ-3M	T	Water	Distill/Phenol	
480-34951-2	PZ-1M	T	Water	Distill/Phenol	
480-34951-3	PZ-6D	T	Water	Distill/Phenol	
480-34951-4	PZ-6M	T	Water	Distill/Phenol	
480-34951-5	PZ-9D	T	Water	Distill/Phenol	
480-34951-6	PZ-9M	T	Water	Distill/Phenol	
Prep Batch: 480-109781					
LCS 480-109781/2-A	Lab Control Sample	T	Water	351.2	
MB 480-109781/1-A	Method Blank	T	Water	351.2	
480-35108-17	PZ-17D	T	Water	351.2	
480-35108-19	PZ-13M	T	Water	351.2	
480-35108-20	PZ-19D	T	Water	351.2	
480-35108-21	PZ-16D	T	Water	351.2	
480-35108-22	PZ-18M	T	Water	351.2	
480-35108-22MS	Matrix Spike	T	Water	351.2	
480-35108-23	PZ-14M	T	Water	351.2	
480-35108-24FD	Field Duplicate	T	Water	351.2	
480-35108-25EB	Equipment Blank	T	Water	351.2	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 480-109794					
LCS 480-109794/1-A	Lab Control Sample	T	Water	Distill/Ammonia	
MB 480-109794/2-A	Method Blank	T	Water	Distill/Ammonia	
480-34951-6	PZ-9M	T	Water	Distill/Ammonia	
480-34997-17	PZ-20M	T	Water	Distill/Ammonia	
480-34997-18	PZ-10M	T	Water	Distill/Ammonia	
480-34997-19	DRAIN TILE 2	T	Water	Distill/Ammonia	
480-34997-19MS	Matrix Spike	T	Water	Distill/Ammonia	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	Distill/Ammonia	
480-35108-17	PZ-17D	T	Water	Distill/Ammonia	
480-35108-18	PZ-13D	T	Water	Distill/Ammonia	
480-35108-19	PZ-13M	T	Water	Distill/Ammonia	
480-35108-20	PZ-19D	T	Water	Distill/Ammonia	
480-35108-21	PZ-16D	T	Water	Distill/Ammonia	
480-35108-22	PZ-18M	T	Water	Distill/Ammonia	
Analysis Batch:480-109797					
LCS 480-109797/2	Lab Control Sample	T	Water	SM 2540C	
MB 480-109797/1	Method Blank	T	Water	SM 2540C	
480-35108-17	PZ-17D	T	Water	SM 2540C	
480-35108-18	PZ-13D	T	Water	SM 2540C	
Prep Batch: 480-109809					
LCS 480-109809/2-A	Lab Control Sample	T	Water	9012A	
MB 480-109809/1-A	Method Blank	T	Water	9012A	
480-34951-2	PZ-1M	T	Water	9012A	
480-34951-3	PZ-6D	T	Water	9012A	
480-34951-5	PZ-9D	T	Water	9012A	
480-34951-6	PZ-9M	T	Water	9012A	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:480-109821					
LCS 480-109452/2-A	Lab Control Sample	T	Water	351.2	480-109452
MB 480-109452/1-A	Method Blank	T	Water	351.2	480-109452
LCS 480-109781/2-A	Lab Control Sample	T	Water	351.2	480-109781
MB 480-109781/1-A	Method Blank	T	Water	351.2	480-109781
480-34951-1	PZ-3M	T	Water	351.2	480-109452
480-34951-3	PZ-6D	T	Water	351.2	480-109452
480-34951-4	PZ-6M	T	Water	351.2	480-109452
480-34951-5	PZ-9D	T	Water	351.2	480-109452
480-34951-6	PZ-9M	T	Water	351.2	480-109452
480-34997-17	PZ-20M	T	Water	351.2	480-109452
480-34997-18	PZ-10M	T	Water	351.2	480-109452
480-34997-19	DRAIN TILE 2	T	Water	351.2	480-109452
480-34997-19MS	Matrix Spike	T	Water	351.2	480-109452
480-34997-19MSD	Matrix Spike Duplicate	T	Water	351.2	480-109452
480-35108-17	PZ-17D	T	Water	351.2	480-109781
480-35108-19	PZ-13M	T	Water	351.2	480-109781
480-35108-20	PZ-19D	T	Water	351.2	480-109781
480-35108-21	PZ-16D	T	Water	351.2	480-109781
480-35108-22	PZ-18M	T	Water	351.2	480-109781
480-35108-22MS	Matrix Spike	T	Water	351.2	480-109781
480-35108-23	PZ-14M	T	Water	351.2	480-109781
480-35108-24FD	Field Duplicate	T	Water	351.2	480-109781
480-35108-25EB	Equipment Blank	T	Water	351.2	480-109781
Analysis Batch:480-109827					
LCS 480-109827/2	Lab Control Sample	T	Water	SM 2540C	
MB 480-109827/1	Method Blank	T	Water	SM 2540C	
480-35108-20	PZ-19D	T	Water	SM 2540C	
Prep Batch: 480-109835					
LCS 480-109835/2-A	Lab Control Sample	T	Water	9012A	
MB 480-109835/1-A	Method Blank	T	Water	9012A	
480-34997-17	PZ-20M	T	Water	9012A	
480-34997-17MS	Matrix Spike	T	Water	9012A	
480-34997-18	PZ-10M	T	Water	9012A	
480-34997-18DU	Duplicate	T	Water	9012A	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:480-109852					
LCS 480-109752/2-A	Lab Control Sample	T	Water	420.4	480-109752
MB 480-109752/1-A	Method Blank	T	Water	420.4	480-109752
480-34951-1	PZ-3M	T	Water	420.4	480-109752
480-34951-2	PZ-1M	T	Water	420.4	480-109752
480-34951-3	PZ-6D	T	Water	420.4	480-109752
480-34951-4	PZ-6M	T	Water	420.4	480-109752
480-34951-5	PZ-9D	T	Water	420.4	480-109752
480-34951-6	PZ-9M	T	Water	420.4	480-109752
Analysis Batch:480-109919					
LCS 480-109794/1-A	Lab Control Sample	T	Water	350.1	480-109794
MB 480-109794/2-A	Method Blank	T	Water	350.1	480-109794
480-34951-6	PZ-9M	T	Water	350.1	480-109794
480-34997-17	PZ-20M	T	Water	350.1	480-109794
480-34997-18	PZ-10M	T	Water	350.1	480-109794
480-34997-19	DRAIN TILE 2	T	Water	350.1	480-109794
480-34997-19MS	Matrix Spike	T	Water	350.1	480-109794
480-34997-19MSD	Matrix Spike Duplicate	T	Water	350.1	480-109794
480-35108-17	PZ-17D	T	Water	350.1	480-109794
480-35108-18	PZ-13D	T	Water	350.1	480-109794
480-35108-19	PZ-13M	T	Water	350.1	480-109794
480-35108-20	PZ-19D	T	Water	350.1	480-109794
480-35108-21	PZ-16D	T	Water	350.1	480-109794
480-35108-22	PZ-18M	T	Water	350.1	480-109794
Analysis Batch:480-109970					
LCS 480-109970/28	Lab Control Sample	T	Water	SM 2340C	
LCS 480-109970/52	Lab Control Sample	T	Water	SM 2340C	
MB 480-109970/27	Method Blank	T	Water	SM 2340C	
MB 480-109970/51	Method Blank	T	Water	SM 2340C	
480-34951-1	PZ-3M	T	Water	SM 2340C	
480-34951-2	PZ-1M	T	Water	SM 2340C	
480-34951-3	PZ-6D	T	Water	SM 2340C	
480-34951-3DU	Duplicate	T	Water	SM 2340C	
480-34951-5	PZ-9D	T	Water	SM 2340C	
480-34951-6	PZ-9M	T	Water	SM 2340C	
Prep Batch: 480-109996					
LCS 480-109996/2-A	Lab Control Sample	T	Water	351.2	
MB 480-109996/1-A	Method Blank	T	Water	351.2	
480-34951-2	PZ-1M	T	Water	351.2	
480-35108-18	PZ-13D	T	Water	351.2	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Analysis Batch:480-109999					
LCS 480-109999/27	Lab Control Sample	T	Water	9056	
MB 480-109999/28	Method Blank	T	Water	9056	
480-35108-17	PZ-17D	T	Water	9056	
480-35108-18	PZ-13D	T	Water	9056	
480-35108-19	PZ-13M	T	Water	9056	
480-35108-20	PZ-19D	T	Water	9056	
480-35108-21	PZ-16D	T	Water	9056	
480-35108-22	PZ-18M	T	Water	9056	
480-35108-23	PZ-14M	T	Water	9056	
480-35108-23MS	Matrix Spike	T	Water	9056	
480-35108-23MSD	Matrix Spike Duplicate	T	Water	9056	
Analysis Batch:480-110009					
LCS 480-110009/3	Lab Control Sample	T	Water	9056	
MB 480-110009/4	Method Blank	T	Water	9056	
480-34997-17	PZ-20M	T	Water	9056	
480-34997-18	PZ-10M	T	Water	9056	
480-34997-18MS	Matrix Spike	T	Water	9056	
480-34997-19	DRAIN TILE 2	T	Water	9056	
480-34997-19MS	Matrix Spike	T	Water	9056	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	9056	
Analysis Batch:480-110015					
LCS 480-110015/51	Lab Control Sample	T	Water	9056	
MB 480-110015/52	Method Blank	T	Water	9056	
480-35108-24FD	Field Duplicate	T	Water	9056	
480-35108-25EB	Equipment Blank	T	Water	9056	
Analysis Batch:480-110019					
LCS 480-110019/4	Lab Control Sample	T	Water	410.4	
LCS 480-110019/52	Lab Control Sample	T	Water	410.4	
MB 480-110019/3	Method Blank	T	Water	410.4	
MB 480-110019/51	Method Blank	T	Water	410.4	
480-34951-1	PZ-3M	T	Water	410.4	
480-34997-17	PZ-20M	T	Water	410.4	
480-34997-18	PZ-10M	T	Water	410.4	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
General Chemistry					
Prep Batch: 480-110020					
LCS 480-110020/4-A	Lab Control Sample	T	Water	9012A	
MB 480-110020/3-A	Method Blank	T	Water	9012A	
480-35108-17	PZ-17D	T	Water	9012A	
480-35108-18	PZ-13D	T	Water	9012A	
480-35108-19	PZ-13M	T	Water	9012A	
480-35108-20	PZ-19D	T	Water	9012A	
480-35108-21	PZ-16D	T	Water	9012A	
480-35108-22	PZ-18M	T	Water	9012A	
480-35108-23	PZ-14M	T	Water	9012A	
480-35108-24FD	Field Duplicate	T	Water	9012A	
480-35108-25EB	Equipment Blank	T	Water	9012A	
Analysis Batch:480-110026					
LCS 480-109809/2-A	Lab Control Sample	T	Water	9012A	480-109809
MB 480-109809/1-A	Method Blank	T	Water	9012A	480-109809
LCS 480-109835/2-A	Lab Control Sample	T	Water	9012A	480-109835
MB 480-109835/1-A	Method Blank	T	Water	9012A	480-109835
480-34951-2	PZ-1M	T	Water	9012A	480-109809
480-34951-3	PZ-6D	T	Water	9012A	480-109809
480-34951-5	PZ-9D	T	Water	9012A	480-109809
480-34951-6	PZ-9M	T	Water	9012A	480-109809
480-34997-17	PZ-20M	T	Water	9012A	480-109835
480-34997-17MS	Matrix Spike	T	Water	9012A	480-109835
480-34997-18	PZ-10M	T	Water	9012A	480-109835
480-34997-18DU	Duplicate	T	Water	9012A	480-109835
Analysis Batch:480-110032					
LCS 480-110032/2	Lab Control Sample	T	Water	SM 2540C	
MB 480-110032/1	Method Blank	T	Water	SM 2540C	
480-35108-21	PZ-16D	T	Water	SM 2540C	
480-35108-22	PZ-18M	T	Water	SM 2540C	
480-35108-23	PZ-14M	T	Water	SM 2540C	
480-35108-24FD	Field Duplicate	T	Water	SM 2540C	
480-35108-25EB	Equipment Blank	T	Water	SM 2540C	
Analysis Batch:480-110050					
LCS 480-110050/28	Lab Control Sample	T	Water	410.4	
LCS 480-110050/4	Lab Control Sample	T	Water	410.4	
MB 480-110050/27	Method Blank	T	Water	410.4	
MB 480-110050/3	Method Blank	T	Water	410.4	
480-34951-3	PZ-6D	T	Water	410.4	
480-34951-4	PZ-6M	T	Water	410.4	
480-34997-19	DRAIN TILE 2	T	Water	410.4	
480-34997-19MS	Matrix Spike	T	Water	410.4	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	410.4	

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Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-110095					
LCS 480-110095/4	Lab Control Sample	T	Water	SM 5310D	
MB 480-110095/3	Method Blank	T	Water	SM 5310D	
480-34997-17	PZ-20M	T	Water	SM 5310D	
480-34997-18	PZ-10M	T	Water	SM 5310D	
480-35108-17	PZ-17D	T	Water	SM 5310D	
Analysis Batch:480-110120					
LCS 480-110020/4-A	Lab Control Sample	T	Water	9012A	480-110020
MB 480-110020/3-A	Method Blank	T	Water	9012A	480-110020
480-35108-17	PZ-17D	T	Water	9012A	480-110020
480-35108-18	PZ-13D	T	Water	9012A	480-110020
480-35108-19	PZ-13M	T	Water	9012A	480-110020
480-35108-20	PZ-19D	T	Water	9012A	480-110020
480-35108-21	PZ-16D	T	Water	9012A	480-110020
480-35108-22	PZ-18M	T	Water	9012A	480-110020
480-35108-23	PZ-14M	T	Water	9012A	480-110020
480-35108-24FD	Field Duplicate	T	Water	9012A	480-110020
480-35108-25EB	Equipment Blank	T	Water	9012A	480-110020
Prep Batch: 480-110291					
LCS 480-110291/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 480-110291/1-A	Method Blank	T	Water	Distill/Phenol	
480-34997-17	PZ-20M	T	Water	Distill/Phenol	
480-34997-18	PZ-10M	T	Water	Distill/Phenol	
480-34997-19	DRAIN TILE 2	T	Water	Distill/Phenol	
480-34997-19MS	Matrix Spike	T	Water	Distill/Phenol	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	Distill/Phenol	
Analysis Batch:480-110296					
LCS 480-110296/4	Lab Control Sample	T	Water	SM 2340C	
MB 480-110296/3	Method Blank	T	Water	SM 2340C	
480-34951-4	PZ-6M	T	Water	SM 2340C	
480-34951-4MS	Matrix Spike	T	Water	SM 2340C	
480-35108-17	PZ-17D	T	Water	SM 2340C	
Analysis Batch:480-110327					
LCS 480-110327/52	Lab Control Sample	T	Water	410.4	
LCS 480-110327/76	Lab Control Sample	T	Water	410.4	
MB 480-110327/51	Method Blank	T	Water	410.4	
MB 480-110327/75	Method Blank	T	Water	410.4	
480-34951-6	PZ-9M	T	Water	410.4	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-110329					
LCS 480-109996/2-A	Lab Control Sample	T	Water	351.2	480-109996
MB 480-109996/1-A	Method Blank	T	Water	351.2	480-109996
480-34951-2	PZ-1M	T	Water	351.2	480-109996
480-35108-18	PZ-13D	T	Water	351.2	480-109996
Analysis Batch:480-110330					
LCS 480-110330/2	Lab Control Sample	T	Water	SM 2540C	
MB 480-110330/1	Method Blank	T	Water	SM 2540C	
480-35108-19	PZ-13M	T	Water	SM 2540C	
Analysis Batch:480-110334					
LCS 480-110334/28	Lab Control Sample	T	Water	410.4	
LCS 480-110334/52	Lab Control Sample	T	Water	410.4	
MB 480-110334/27	Method Blank	T	Water	410.4	
MB 480-110334/51	Method Blank	T	Water	410.4	
480-35108-17	PZ-17D	T	Water	410.4	
480-35108-20	PZ-19D	T	Water	410.4	
480-35108-21	PZ-16D	T	Water	410.4	
480-35108-22	PZ-18M	T	Water	410.4	
480-35108-23	PZ-14M	T	Water	410.4	
480-35108-24FD	Field Duplicate	T	Water	410.4	
480-35108-24DU	Duplicate	T	Water	410.4	
480-35108-24MS	Matrix Spike	T	Water	410.4	
480-35108-25EB	Equipment Blank	T	Water	410.4	
Analysis Batch:480-110382					
LCS 480-110291/2-A	Lab Control Sample	T	Water	420.4	480-110291
MB 480-110291/1-A	Method Blank	T	Water	420.4	480-110291
480-34997-17	PZ-20M	T	Water	420.4	480-110291
480-34997-18	PZ-10M	T	Water	420.4	480-110291
480-34997-19	DRAIN TILE 2	T	Water	420.4	480-110291
480-34997-19MS	Matrix Spike	T	Water	420.4	480-110291
480-34997-19MSD	Matrix Spike Duplicate	T	Water	420.4	480-110291
Analysis Batch:480-110407					
LCS 480-110407/7	Lab Control Sample	T	Water	SM 2320B	
MB 480-110407/6	Method Blank	T	Water	SM 2320B	
480-35108-20	PZ-19D	T	Water	SM 2320B	
480-35108-21	PZ-16D	T	Water	SM 2320B	
480-35108-22	PZ-18M	T	Water	SM 2320B	
480-35108-23	PZ-14M	T	Water	SM 2320B	
480-35108-24FD	Field Duplicate	T	Water	SM 2320B	

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Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-110454					
LCS 480-110454/28	Lab Control Sample	T	Water	SM 5310D	
LCS 480-110454/4	Lab Control Sample	T	Water	SM 5310D	
MB 480-110454/27	Method Blank	T	Water	SM 5310D	
MB 480-110454/3	Method Blank	T	Water	SM 5310D	
480-34951-1	PZ-3M	T	Water	SM 5310D	
480-34951-2	PZ-1M	T	Water	SM 5310D	
480-34951-3	PZ-6D	T	Water	SM 5310D	
480-34951-4	PZ-6M	T	Water	SM 5310D	
480-34951-5	PZ-9D	T	Water	SM 5310D	
480-34951-6	PZ-9M	T	Water	SM 5310D	
480-34997-19	DRAIN TILE 2	T	Water	SM 5310D	
480-34997-19MS	Matrix Spike	T	Water	SM 5310D	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	SM 5310D	
480-35108-18	PZ-13D	T	Water	SM 5310D	
Analysis Batch:480-110464					
LCS 480-110464/4	Lab Control Sample	T	Water	410.4	
MB 480-110464/3	Method Blank	T	Water	410.4	
480-34951-5	PZ-9D	T	Water	410.4	
Prep Batch: 480-110483					
LCS 480-110483/1-A	Lab Control Sample	T	Water	Distill/Ammonia	
MB 480-110483/2-A	Method Blank	T	Water	Distill/Ammonia	
480-35108-23	PZ-14M	T	Water	Distill/Ammonia	
480-35108-24FD	Field Duplicate	T	Water	Distill/Ammonia	
480-35108-24DU	Duplicate	T	Water	Distill/Ammonia	
480-35108-25EB	Equipment Blank	T	Water	Distill/Ammonia	
480-35108-25MS	Matrix Spike	T	Water	Distill/Ammonia	
Analysis Batch:480-110487					
LCS 480-110487/4	Lab Control Sample	T	Water	SM 2340C	
MB 480-110487/3	Method Blank	T	Water	SM 2340C	
480-34997-17	PZ-20M	T	Water	SM 2340C	
480-34997-18	PZ-10M	T	Water	SM 2340C	
480-34997-19	DRAIN TILE 2	T	Water	SM 2340C	
480-34997-19MS	Matrix Spike	T	Water	SM 2340C	
480-34997-19MSD	Matrix Spike Duplicate	T	Water	SM 2340C	
480-35108-18	PZ-13D	T	Water	SM 2340C	
480-35108-19	PZ-13M	T	Water	SM 2340C	
480-35108-20	PZ-19D	T	Water	SM 2340C	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 480-110555					
LCS 480-110555/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 480-110555/1-A	Method Blank	T	Water	Distill/Phenol	
480-35108-19	PZ-13M	T	Water	Distill/Phenol	
480-35108-19MS	Matrix Spike	T	Water	Distill/Phenol	
480-35108-20	PZ-19D	T	Water	Distill/Phenol	
480-35108-21	PZ-16D	T	Water	Distill/Phenol	
480-35108-22	PZ-18M	T	Water	Distill/Phenol	
480-35108-23	PZ-14M	T	Water	Distill/Phenol	
480-35108-24FD	Field Duplicate	T	Water	Distill/Phenol	
480-35108-24DU	Duplicate	T	Water	Distill/Phenol	
Analysis Batch:480-110563					
LCS 480-110563/7	Lab Control Sample	T	Water	SM 2320B	
MB 480-110563/6	Method Blank	T	Water	SM 2320B	
480-35108-17	PZ-17D	T	Water	SM 2320B	
480-35108-19	PZ-13M	T	Water	SM 2320B	
480-35108-25EB	Equipment Blank	T	Water	SM 2320B	
Analysis Batch:480-110596					
LCS 480-110596/4	Lab Control Sample	T	Water	SM 5310D	
MB 480-110596/3	Method Blank	T	Water	SM 5310D	
480-35108-19	PZ-13M	T	Water	SM 5310D	
480-35108-20	PZ-19D	T	Water	SM 5310D	
480-35108-21	PZ-16D	T	Water	SM 5310D	
480-35108-22	PZ-18M	T	Water	SM 5310D	
480-35108-23	PZ-14M	T	Water	SM 5310D	
480-35108-24FD	Field Duplicate	T	Water	SM 5310D	
480-35108-25EB	Equipment Blank	T	Water	SM 5310D	
Analysis Batch:480-110653					
LCS 480-110483/1-A	Lab Control Sample	T	Water	350.1	480-110483
MB 480-110483/2-A	Method Blank	T	Water	350.1	480-110483
480-35108-23	PZ-14M	T	Water	350.1	480-110483
480-35108-24FD	Field Duplicate	T	Water	350.1	480-110483
480-35108-24DU	Duplicate	T	Water	350.1	480-110483
480-35108-25EB	Equipment Blank	T	Water	350.1	480-110483
480-35108-25MS	Matrix Spike	T	Water	350.1	480-110483

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-110717					
LCS 480-110717/4	Lab Control Sample	T	Water	SM 2340C	
MB 480-110717/3	Method Blank	T	Water	SM 2340C	
480-35108-21	PZ-16D	T	Water	SM 2340C	
480-35108-22	PZ-18M	T	Water	SM 2340C	
480-35108-23	PZ-14M	T	Water	SM 2340C	
480-35108-23MS	Matrix Spike	T	Water	SM 2340C	
480-35108-24FD	Field Duplicate	T	Water	SM 2340C	
480-35108-24DU	Duplicate	T	Water	SM 2340C	
480-35108-25EB	Equipment Blank	T	Water	SM 2340C	
Prep Batch: 480-110754					
LCS 480-110754/2-A	Lab Control Sample	T	Water	9012A	
MB 480-110754/1-A	Method Blank	T	Water	9012A	
480-34951-4	PZ-6M	T	Water	9012A	
480-34951-4DU	Duplicate	T	Water	9012A	
Prep Batch: 480-110755					
LCS 480-110755/2-A	Lab Control Sample	T	Water	Distill/Phenol	
MB 480-110755/1-A	Method Blank	T	Water	Distill/Phenol	
480-35108-17	PZ-17D	T	Water	Distill/Phenol	
480-35108-18	PZ-13D	T	Water	Distill/Phenol	
480-35108-25EB	Equipment Blank	T	Water	Distill/Phenol	
Analysis Batch:480-110761					
LCS 480-110761/7	Lab Control Sample	T	Water	SM 2320B	
MB 480-110761/6	Method Blank	T	Water	SM 2320B	
480-35108-18	PZ-13D	T	Water	SM 2320B	
Analysis Batch:480-110774					
LCS 480-110774/4	Lab Control Sample	T	Water	410.4	
MB 480-110774/3	Method Blank	T	Water	410.4	
480-35108-18	PZ-13D	T	Water	410.4	
480-35108-19	PZ-13M	T	Water	410.4	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1

Sdg Number: 34951

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:480-110807					
LCS 480-110555/2-A	Lab Control Sample	T	Water	420.4	480-110555
MB 480-110555/1-A	Method Blank	T	Water	420.4	480-110555
LCS 480-110755/2-A	Lab Control Sample	T	Water	420.4	480-110755
MB 480-110755/1-A	Method Blank	T	Water	420.4	480-110755
480-35108-17	PZ-17D	T	Water	420.4	480-110755
480-35108-18	PZ-13D	T	Water	420.4	480-110755
480-35108-19	PZ-13M	T	Water	420.4	480-110555
480-35108-19MS	Matrix Spike	T	Water	420.4	480-110555
480-35108-20	PZ-19D	T	Water	420.4	480-110555
480-35108-21	PZ-16D	T	Water	420.4	480-110555
480-35108-22	PZ-18M	T	Water	420.4	480-110555
480-35108-23	PZ-14M	T	Water	420.4	480-110555
480-35108-24FD	Field Duplicate	T	Water	420.4	480-110555
480-35108-24DU	Duplicate	T	Water	420.4	480-110555
480-35108-25EB	Equipment Blank	T	Water	420.4	480-110755
Analysis Batch:480-110948					
LCS 480-110754/2-A	Lab Control Sample	T	Water	9012A	480-110754
MB 480-110754/1-A	Method Blank	T	Water	9012A	480-110754
480-34951-4	PZ-6M	T	Water	9012A	480-110754
480-34951-4DU	Duplicate	T	Water	9012A	480-110754
Analysis Batch:480-110959					
LCS 480-110959/4	Lab Control Sample	T	Water	410.4	
MB 480-110959/3	Method Blank	T	Water	410.4	
480-34951-2	PZ-1M	T	Water	410.4	

Report Basis

T = Total

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34951-1

Client ID: PZ-3M

Sample Date/Time: 03/25/2013 11:52

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-34951-M-1		480-109569		03/28/2013	02:09	1	TAL BUF	TRB
A:8260B	480-34951-M-1		480-109569		03/28/2013	02:09	1	TAL BUF	TRB
P:3005A	480-34951-E-1-B		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	480-34951-E-1-B		480-109619	480-109283	03/27/2013	13:16	1	TAL BUF	LH
P:7470A	480-34951-E-1-A		480-109286	480-109171	03/26/2013	08:45	1	TAL BUF	JRK
A:7470A	480-34951-E-1-A		480-109286	480-109171	03/26/2013	13:59	1	TAL BUF	JRK
P:Distill/Ammonia	480-34951-D-1-A		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	480-34951-D-1-A		480-109321	480-109295	03/26/2013	17:02	1	TAL BUF	KS
P:351.2	480-34951-D-1-C		480-109821	480-109452	03/27/2013	11:00	1	TAL BUF	EGN
A:351.2	480-34951-D-1-C		480-109821	480-109452	03/28/2013	18:49	1	TAL BUF	NH
A:353.2	480-34951-J-1		480-109330		03/26/2013	16:46	1	TAL BUF	KS
A:410.4	480-34951-D-1		480-110019		03/29/2013	17:19	1	TAL BUF	JB
P:Distill/Phenol	480-34951-C-1-A		480-109852	480-109752	03/28/2013	11:00	1	TAL BUF	KJ
A:420.4	480-34951-C-1-A		480-109852	480-109752	03/29/2013	06:19	1	TAL BUF	PJQ
A:7196A	480-34951-J-1		480-109117		03/25/2013	18:50	1	TAL BUF	NH
P:9012A	480-34951-G-1-B		480-109685	480-109489	03/27/2013	12:05	1	TAL BUF	EGN
A:9012A	480-34951-G-1-B		480-109685	480-109489	03/28/2013	08:36	1	TAL BUF	EGN
A:9056	480-34951-L-1		480-109289		03/26/2013	16:30	1	TAL BUF	KAC
A:SM 2120B	480-34951-J-1		480-109141		03/26/2013	02:35	1	TAL BUF	KS
A:SM 2320B	480-34951-A-1		480-109312		03/26/2013	15:55	1	TAL BUF	EGN
A:SM 2340C	480-34951-F-1		480-109970		03/29/2013	09:00	1	TAL BUF	LYW
A:SM 2540C	480-34951-A-1		480-109124		03/26/2013	00:47	1	TAL BUF	KS
A:SM 5210B	480-34951-A-1		480-109132		03/25/2013	21:35	1	TAL BUF	KS
A:SM 5310D	480-34951-P-1		480-110454		04/02/2013	05:16	1	TAL BUF	KC
A:Field Sampling	480-34951-A-1		480-109939		03/25/2013	11:52	1	TAL BUF	FLD

Lab ID: 480-34951-1 MS

Client ID: PZ-3M

Sample Date/Time: 03/25/2013 11:52

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
A:7196A	480-34951-J-1 MS		480-109117		03/25/2013	18:50	1	TAL BUF	NH

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34951-2

Client ID: PZ-1M

Sample Date/Time: 03/25/2013 11:55

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	480-34951-M-2		480-109569		03/28/2013	02:37	1	TAL BUF	TRB
A:8260B	480-34951-M-2		480-109569		03/28/2013	02:37	1	TAL BUF	TRB
P:3005A	480-34951-E-2-B		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	480-34951-E-2-B		480-109619	480-109283	03/27/2013	13:18	1	TAL BUF	LH
P:7470A	480-34951-E-2-A		480-109286	480-109171	03/26/2013	08:45	1	TAL BUF	JRK
A:7470A	480-34951-E-2-A		480-109286	480-109171	03/26/2013	14:02	1	TAL BUF	JRK
P:Distill/Ammonia	480-34951-D-2-A		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	480-34951-D-2-A		480-109321	480-109295	03/26/2013	17:09	1	TAL BUF	KS
P:351.2	480-34951-D-2-C		480-110329	480-109996	03/29/2013	09:35	1	TAL BUF	KJ
A:351.2	480-34951-D-2-C		480-110329	480-109996	04/01/2013	18:14	1	TAL BUF	NH
A:353.2	480-34951-J-2		480-109330		03/26/2013	18:27	1	TAL BUF	KS
A:410.4	480-34951-D-2		480-110959		04/04/2013	10:55	1	TAL BUF	KJ
P:Distill/Phenol	480-34951-C-2-A		480-109852	480-109752	03/28/2013	11:00	1	TAL BUF	KJ
A:420.4	480-34951-C-2-A		480-109852	480-109752	03/29/2013	06:19	1	TAL BUF	PJQ
A:7196A	480-34951-J-2		480-109117		03/25/2013	18:50	1	TAL BUF	NH
P:9012A	480-34951-G-2-B		480-110026	480-109809	03/28/2013	14:11	1	TAL BUF	EGN
A:9012A	480-34951-G-2-B		480-110026	480-109809	03/29/2013	17:29	1	TAL BUF	EGN
A:9056	480-34951-L-2		480-109289		03/26/2013	16:43	1	TAL BUF	KAC
A:SM 2120B	480-34951-J-2		480-109141		03/26/2013	02:36	1	TAL BUF	KS
A:SM 2320B	480-34951-A-2		480-109312		03/26/2013	16:01	1	TAL BUF	EGN
A:SM 2340C	480-34951-F-2		480-109970		03/29/2013	09:00	1	TAL BUF	LYW
A:SM 2540C	480-34951-A-2		480-109124		03/26/2013	00:48	1	TAL BUF	KS
A:SM 5210B	480-34951-A-2		480-109132		03/25/2013	21:35	1	TAL BUF	KS
A:SM 5310D	480-34951-P-2		480-110454		04/02/2013	05:36	1	TAL BUF	KC
A:Field Sampling	480-34951-A-2		480-109939		03/25/2013	11:55	1	TAL BUF	FLD

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34951-3

Client ID: PZ-6D

Sample Date/Time: 03/25/2013 13:42

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-34951-M-3		480-109569		03/28/2013	03:04	1	TAL BUF	TRB
A:8260B	480-34951-M-3		480-109569		03/28/2013	03:04	1	TAL BUF	TRB
P:3005A	480-34951-E-3-B		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	480-34951-E-3-B		480-109619	480-109283	03/27/2013	13:21	1	TAL BUF	LH
P:7470A	480-34951-E-3-A		480-109286	480-109171	03/26/2013	08:45	1	TAL BUF	JRK
A:7470A	480-34951-E-3-A		480-109286	480-109171	03/26/2013	14:04	1	TAL BUF	JRK
P:Distill/Ammonia	480-34951-D-3-A		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	480-34951-D-3-A		480-109321	480-109295	03/26/2013	17:10	1	TAL BUF	KS
P:351.2	480-34951-D-3-C		480-109821	480-109452	03/27/2013	11:00	1	TAL BUF	EGN
A:351.2	480-34951-D-3-C		480-109821	480-109452	03/28/2013	18:49	1	TAL BUF	NH
A:353.2	480-34951-J-3		480-109330		03/26/2013	18:28	1	TAL BUF	KS
A:410.4	480-34951-D-3		480-110050		03/29/2013	21:08	1	TAL BUF	JB
P:Distill/Phenol	480-34951-C-3-A		480-109852	480-109752	03/28/2013	11:00	1	TAL BUF	KJ
A:420.4	480-34951-C-3-A		480-109852	480-109752	03/29/2013	06:19	1	TAL BUF	PJQ
A:7196A	480-34951-J-3		480-109117		03/25/2013	18:50	1	TAL BUF	NH
P:9012A	480-34951-G-3-B		480-110026	480-109809	03/28/2013	14:11	1	TAL BUF	EGN
A:9012A	480-34951-G-3-B		480-110026	480-109809	03/29/2013	17:30	1	TAL BUF	EGN
A:9056	480-34951-L-3		480-109289		03/26/2013	16:56	1	TAL BUF	KAC
A:SM 2120B	480-34951-J-3		480-109141		03/26/2013	02:38	1	TAL BUF	KS
A:SM 2320B	480-34951-A-3		480-109590		03/27/2013	13:15	1	TAL BUF	LK
A:SM 2340C	480-34951-F-3		480-109970		03/29/2013	09:00	1	TAL BUF	LYW
A:SM 2540C	480-34951-A-3		480-109124		03/26/2013	00:49	1	TAL BUF	KS
A:SM 5210B	480-34951-A-3		480-109132		03/25/2013	21:35	1	TAL BUF	KS
A:SM 5310D	480-34951-Q-3		480-110454		04/02/2013	05:56	1	TAL BUF	KC
A:Field Sampling	480-34951-A-3		480-109939		03/25/2013	13:42	1	TAL BUF	FLD

Lab ID: 480-34951-3 MS

Client ID: PZ-6D

Sample Date/Time: 03/25/2013 13:42

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3005A	480-34951-E-3-C MS		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	480-34951-E-3-C MS		480-109619	480-109283	03/27/2013	13:27	1	TAL BUF	LH

Lab ID: 480-34951-3 MSD

Client ID: PZ-6D

Sample Date/Time: 03/25/2013 13:42

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3005A	480-34951-E-3-D MSD		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	480-34951-E-3-D MSD		480-109619	480-109283	03/27/2013	13:30	1	TAL BUF	LH

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34951-3 DU

Client ID: PZ-6D

Sample Date/Time: 03/25/2013 13:42

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2320B	480-34951-A-3 DU		480-109590		03/27/2013 13:21	1	TAL BUF	LK
A:SM 2340C	480-34951-F-3 DU		480-109970		03/29/2013 09:00	1	TAL BUF	LYW

Lab ID: 480-34951-3 SD

Client ID: PZ-6D

Sample Date/Time: 03/25/2013 13:42

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	480-34951-E-3-B SD ^5		480-109619	480-109283	03/27/2013 07:10	5	TAL BUF	JM
A:6010B	480-34951-E-3-B SD ^5		480-109619	480-109283	03/27/2013 13:23	5	TAL BUF	LH
P:3005A	480-34951-E-3-B PDS		480-109619	480-109283	03/27/2013 07:10	1	TAL BUF	JM
A:6010B	480-34951-E-3-B PDS		480-109619	480-109283	03/27/2013 13:25	1	TAL BUF	LH

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34951-4

Client ID: PZ-6M

Sample Date/Time: 03/25/2013 13:03

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-34951-M-4		480-109569		03/28/2013	03:32	1	TAL BUF	TRB
A:8260B	480-34951-M-4		480-109569		03/28/2013	03:32	1	TAL BUF	TRB
P:3005A	480-34951-E-4-B		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	480-34951-E-4-B		480-109619	480-109283	03/27/2013	13:32	1	TAL BUF	LH
P:7470A	480-34951-E-4-A		480-109286	480-109171	03/26/2013	08:45	1	TAL BUF	JRK
A:7470A	480-34951-E-4-A		480-109286	480-109171	03/26/2013	14:07	1	TAL BUF	JRK
P:Distill/Ammonia	480-34951-D-4-A		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	480-34951-D-4-A		480-109321	480-109295	03/26/2013	17:11	1	TAL BUF	KS
P:351.2	480-34951-D-4-D		480-109821	480-109452	03/27/2013	11:00	1	TAL BUF	EGN
A:351.2	480-34951-D-4-D		480-109821	480-109452	03/28/2013	18:49	1	TAL BUF	NH
A:353.2	480-34951-I-4		480-109330		03/26/2013	16:52	1	TAL BUF	KS
A:410.4	480-34951-D-4		480-110050		03/29/2013	21:08	1	TAL BUF	JB
P:Distill/Phenol	480-34951-C-4-A		480-109852	480-109752	03/28/2013	11:00	1	TAL BUF	KJ
A:420.4	480-34951-C-4-A		480-109852	480-109752	03/29/2013	06:19	1	TAL BUF	PJQ
A:7196A	480-34951-J-4		480-109117		03/25/2013	18:50	1	TAL BUF	NH
P:9012A	480-34951-B-4-A		480-110948	480-110754	04/03/2013	17:30	1	TAL BUF	NH
A:9012A	480-34951-B-4-A		480-110948	480-110754	04/04/2013	11:48	1	TAL BUF	EGN
A:9056	480-34951-L-4		480-109289		03/26/2013	17:09	1	TAL BUF	KAC
A:SM 2120B	480-34951-J-4		480-109141		03/26/2013	02:39	1	TAL BUF	KS
A:SM 2320B	480-34951-A-4		480-109590		03/27/2013	13:27	1	TAL BUF	LK
A:SM 2340C	480-34951-F-4		480-110296		04/01/2013	15:45	1	TAL BUF	LYW
A:SM 2540C	480-34951-A-4		480-109124		03/26/2013	00:50	1	TAL BUF	KS
A:SM 5210B	480-34951-A-4		480-109132		03/25/2013	21:35	1	TAL BUF	KS
A:SM 5310D	480-34951-Q-4		480-110454		04/02/2013	06:55	1	TAL BUF	KC
A:Field Sampling	480-34951-A-4		480-109939		03/25/2013	13:03	1	TAL BUF	FLD

Lab ID: 480-34951-4 MS

Client ID: PZ-6M

Sample Date/Time: 03/25/2013 13:03

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
A:SM 2320B	480-34951-A-4 MS		480-109590		03/27/2013	13:33	1	TAL BUF	LK
A:SM 2340C	480-34951-F-4 MS		480-110296		04/01/2013	15:45	1	TAL BUF	LYW

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34951-4 DU

Client ID: PZ-6M

Sample Date/Time: 03/25/2013 13:03

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:Distill/Ammonia	480-34951-D-4-B DU		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	480-34951-D-4-B DU		480-109321	480-109295	03/26/2013	17:12	1	TAL BUF	KS
P:9012A	480-34951-B-4-B DU		480-110948	480-110754	04/03/2013	17:30	1	TAL BUF	NH
A:9012A	480-34951-B-4-B DU		480-110948	480-110754	04/04/2013	11:49	1	TAL BUF	EGN
A:SM 2120B	480-34951-J-4 DU		480-109141		03/26/2013	02:41	1	TAL BUF	KS

Lab ID: 480-34951-5

Client ID: PZ-9D

Sample Date/Time: 03/25/2013 14:55

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-34951-M-5		480-109569		03/28/2013	03:59	1	TAL BUF	TRB
A:8260B	480-34951-M-5		480-109569		03/28/2013	03:59	1	TAL BUF	TRB
P:3005A	480-34951-E-5-B		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	480-34951-E-5-B		480-109619	480-109283	03/27/2013	13:34	1	TAL BUF	LH
P:7470A	480-34951-E-5-A		480-109286	480-109171	03/26/2013	08:45	1	TAL BUF	JRK
A:7470A	480-34951-E-5-A		480-109286	480-109171	03/26/2013	14:09	1	TAL BUF	JRK
P:Distill/Ammonia	480-34951-D-5-A		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	480-34951-D-5-A		480-109321	480-109295	03/26/2013	17:13	1	TAL BUF	KS
P:351.2	480-34951-D-5-D		480-109821	480-109452	03/27/2013	11:00	1	TAL BUF	EGN
A:351.2	480-34951-D-5-D		480-109821	480-109452	03/28/2013	18:49	1	TAL BUF	NH
A:353.2	480-34951-I-5		480-109330		03/26/2013	18:29	1	TAL BUF	KS
A:410.4	480-34951-D-5		480-110464		04/02/2013	10:55	1	TAL BUF	KJ
P:Distill/Phenol	480-34951-C-5-A		480-109852	480-109752	03/28/2013	11:00	1	TAL BUF	KJ
A:420.4	480-34951-C-5-A		480-109852	480-109752	03/29/2013	06:19	1	TAL BUF	PJQ
A:7196A	480-34951-J-5		480-109117		03/25/2013	18:50	1	TAL BUF	NH
P:9012A	480-34951-G-5-B		480-110026	480-109809	03/28/2013	14:11	1	TAL BUF	EGN
A:9012A	480-34951-G-5-B		480-110026	480-109809	03/29/2013	17:31	1	TAL BUF	EGN
A:9056	480-34951-L-5		480-109289		03/26/2013	17:23	1	TAL BUF	KAC
A:SM 2120B	480-34951-J-5		480-109141		03/26/2013	02:42	1	TAL BUF	KS
A:SM 2320B	480-34951-A-5		480-109590		03/27/2013	13:39	1	TAL BUF	LK
A:SM 2340C	480-34951-F-5		480-109970		03/29/2013	09:00	1	TAL BUF	LYW
A:SM 2540C	480-34951-A-5		480-109124		03/26/2013	00:51	1	TAL BUF	KS
A:SM 5210B	480-34951-A-5		480-109132		03/25/2013	21:35	1	TAL BUF	KS
A:SM 5310D	480-34951-Q-5		480-110454		04/02/2013	07:15	1	TAL BUF	KC
A:Field Sampling	480-34951-A-5		480-109939		03/25/2013	14:55	1	TAL BUF	FLD

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34951-5 MS

Client ID: PZ-9D

Sample Date/Time: 03/25/2013 14:55

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:Distill/Ammonia	480-34951-D-5-B MS		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	480-34951-D-5-B MS		480-109321	480-109295	03/26/2013	17:14	1	TAL BUF	KS

Lab ID: 480-34951-6

Client ID: PZ-9M

Sample Date/Time: 03/25/2013 14:05

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-34951-M-6		480-109569		03/28/2013	04:27	1	TAL BUF	TRB
A:8260B	480-34951-M-6		480-109569		03/28/2013	04:27	1	TAL BUF	TRB
P:3005A	480-34951-E-6-B		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	480-34951-E-6-B		480-109619	480-109283	03/27/2013	13:37	1	TAL BUF	LH
P:7470A	480-34951-E-6-C		480-111227	480-111146	04/05/2013	11:15	1	TAL BUF	JRK
A:7470A	480-34951-E-6-C		480-111227	480-111146	04/05/2013	15:38	1	TAL BUF	JRK
P:Distill/Ammonia	480-34951-D-6-C		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	480-34951-D-6-C		480-109919	480-109794	03/29/2013	09:47	1	TAL BUF	KS
P:351.2	480-34951-D-6-B		480-109821	480-109452	03/27/2013	11:00	1	TAL BUF	EGN
A:351.2	480-34951-D-6-B		480-109821	480-109452	03/28/2013	18:56	1	TAL BUF	NH
A:353.2	480-34951-H-6		480-109330		03/26/2013	16:54	1	TAL BUF	KS
A:410.4	480-34951-D-6		480-110327		04/01/2013	17:20	1	TAL BUF	JB
P:Distill/Phenol	480-34951-C-6-A		480-109852	480-109752	03/28/2013	11:00	1	TAL BUF	KJ
A:420.4	480-34951-C-6-A		480-109852	480-109752	03/29/2013	06:28	1	TAL BUF	PJQ
A:7196A	480-34951-J-6		480-109117		03/25/2013	18:50	1	TAL BUF	NH
P:9012A	480-34951-G-6-B		480-110026	480-109809	03/28/2013	14:11	1	TAL BUF	EGN
A:9012A	480-34951-G-6-B		480-110026	480-109809	03/29/2013	17:32	1	TAL BUF	EGN
A:9056	480-34951-A-6		480-109300		03/27/2013	05:14	1	TAL BUF	KC
A:SM 2120B	480-34951-J-6		480-109141		03/26/2013	02:44	1	TAL BUF	KS
A:SM 2320B	480-34951-A-6		480-109590		03/27/2013	13:56	1	TAL BUF	LK
A:SM 2340C	480-34951-F-6		480-109970		03/29/2013	09:00	1	TAL BUF	LYW
A:SM 2540C	480-34951-A-6		480-109124		03/26/2013	00:52	1	TAL BUF	KS
A:SM 5210B	480-34951-A-6		480-109132		03/25/2013	21:35	1	TAL BUF	KS
A:SM 5310D	480-34951-P-6		480-110454		04/02/2013	07:34	1	TAL BUF	KC
A:Field Sampling	480-34951-A-6		480-109939		03/25/2013	14:05	1	TAL BUF	FLD

Lab ID: 480-34951-6 MS

Client ID: PZ-9M

Sample Date/Time: 03/25/2013 14:05

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
A:9056	480-34951-A-6 MS		480-109300		03/27/2013	05:27	1	TAL BUF	KC

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34951-6 DU

Client ID: PZ-9M

Sample Date/Time: 03/25/2013 14:05

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:7196A	480-34951-J-6 DU		480-109117		03/25/2013 18:50	1	TAL BUF	NH
A:SM 2540C	480-34951-A-6 DU		480-109124		03/26/2013 00:53	1	TAL BUF	KS

Lab ID: 480-34951-7

Client ID: Trip Blank

Sample Date/Time: 03/25/2013 08:30

Received Date/Time: 03/25/2013 17:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-34951-A-7		480-109700		03/28/2013 12:36	1	TAL BUF	CDC
A:8260B	480-34951-A-7		480-109700		03/28/2013 12:36	1	TAL BUF	CDC

Lab ID: 480-34997-17

Client ID: PZ-20M

Sample Date/Time: 03/26/2013 12:38

Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-34997-M-17		480-109803		03/29/2013 05:38	1	TAL BUF	LH
A:8260B	480-34997-M-17		480-109803		03/29/2013 05:38	1	TAL BUF	LH
P:3005A	480-34997-F-17-B		480-109652	480-109404	03/27/2013 10:10	1	TAL BUF	JM
A:6010B	480-34997-F-17-B		480-109652	480-109404	03/27/2013 20:41	1	TAL BUF	LH
P:7470A	480-34997-F-17-A		480-109519	480-109372	03/27/2013 08:15	1	TAL BUF	JRK
A:7470A	480-34997-F-17-A		480-109519	480-109372	03/27/2013 12:54	1	TAL BUF	JRK
P:Distill/Ammonia	480-34997-D-17-C		480-109919	480-109794	03/28/2013 18:04	1	TAL BUF	KS
A:350.1	480-34997-D-17-C		480-109919	480-109794	03/29/2013 09:48	1	TAL BUF	KS
P:351.2	480-34997-D-17-B		480-109821	480-109452	03/27/2013 11:00	1	TAL BUF	EGN
A:351.2	480-34997-D-17-B		480-109821	480-109452	03/28/2013 18:56	1	TAL BUF	NH
A:353.2	480-34997-J-17		480-109525		03/27/2013 15:28	1	TAL BUF	KS
A:410.4	480-34997-D-17		480-110019		03/29/2013 17:19	1	TAL BUF	JB
P:Distill/Phenol	480-34997-C-17-A		480-110382	480-110291	04/01/2013 16:22	1	TAL BUF	KS
A:420.4	480-34997-C-17-A		480-110382	480-110291	04/02/2013 01:13	1	TAL BUF	PJQ
A:7196A	480-34997-I-17		480-109341		03/26/2013 22:12	1	TAL BUF	KS
P:9012A	480-34997-E-17-A		480-110026	480-109835	03/28/2013 22:30	1	TAL BUF	JB
A:9012A	480-34997-E-17-A		480-110026	480-109835	03/29/2013 18:06	1	TAL BUF	EGN
A:9056	480-34997-L-17		480-109661		03/28/2013 22:47	1	TAL BUF	KC
A:9056	480-34997-L-17		480-110009		03/29/2013 20:16	1	TAL BUF	KC
A:SM 2120B	480-34997-J-17		480-109301		03/26/2013 18:25	1	TAL BUF	KS
A:SM 2320B	480-34997-K-17		480-109590		03/27/2013 14:41	1	TAL BUF	LK
A:SM 2340C	480-34997-G-17		480-110487		04/02/2013 13:00	1	TAL BUF	LYW
A:SM 2540C	480-34997-B-17		480-109555		03/27/2013 19:22	1	TAL BUF	JB
A:SM 5210B	480-34997-A-17		480-109325		03/26/2013 18:23	1	TAL BUF	KS
A:SM 5310D	480-34997-Q-17		480-110095		03/29/2013 18:52	1	TAL BUF	KC
A:Field Sampling	480-34997-A-17		480-109939		03/26/2013 12:38	1	TAL BUF	FLD

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34997-17 MS

Client ID: PZ-20M

Sample Date/Time: 03/26/2013 12:38 Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:9012A	480-34997-E-17-B MS		480-110026	480-109835	03/28/2013 22:30	1	TAL BUF	JB
A:9012A	480-34997-E-17-B MS		480-110026	480-109835	03/29/2013 18:08	1	TAL BUF	EGN

Lab ID: 480-34997-18

Client ID: PZ-10M

Sample Date/Time: 03/26/2013 13:40 Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-34997-M-18		480-109803		03/29/2013 06:01	1	TAL BUF	LH
A:8260B	480-34997-M-18		480-109803		03/29/2013 06:01	1	TAL BUF	LH
P:3005A	480-34997-F-18-B		480-109652	480-109404	03/27/2013 10:10	1	TAL BUF	JM
A:6010B	480-34997-F-18-B		480-109652	480-109404	03/27/2013 20:43	1	TAL BUF	LH
P:7470A	480-34997-F-18-A		480-109519	480-109372	03/27/2013 08:15	1	TAL BUF	JRK
A:7470A	480-34997-F-18-A		480-109519	480-109372	03/27/2013 12:56	1	TAL BUF	JRK
P:Distill/Ammonia	480-34997-D-18-C		480-109919	480-109794	03/28/2013 18:04	1	TAL BUF	KS
A:350.1	480-34997-D-18-C		480-109919	480-109794	03/29/2013 09:49	1	TAL BUF	KS
P:351.2	480-34997-D-18-B		480-109821	480-109452	03/27/2013 11:00	1	TAL BUF	EGN
A:351.2	480-34997-D-18-B		480-109821	480-109452	03/28/2013 18:56	1	TAL BUF	NH
A:353.2	480-34997-I-18		480-109525		03/27/2013 12:44	1	TAL BUF	KS
A:410.4	480-34997-D-18		480-110019		03/29/2013 17:19	1	TAL BUF	JB
P:Distill/Phenol	480-34997-C-18-A		480-110382	480-110291	04/01/2013 16:31	1	TAL BUF	KS
A:420.4	480-34997-C-18-A		480-110382	480-110291	04/02/2013 01:18	1	TAL BUF	PJQ
A:7196A	480-34997-J-18		480-109341		03/26/2013 22:14	1	TAL BUF	KS
P:9012A	480-34997-E-18-A		480-110026	480-109835	03/28/2013 22:30	1	TAL BUF	JB
A:9012A	480-34997-E-18-A		480-110026	480-109835	03/29/2013 18:04	1	TAL BUF	EGN
A:9056	480-34997-L-18		480-109661		03/28/2013 22:57	1	TAL BUF	KC
A:9056	480-34997-L-18		480-110009		03/29/2013 20:26	1	TAL BUF	KC
A:SM 2120B	480-34997-I-18		480-109301		03/26/2013 18:45	1	TAL BUF	KS
A:SM 2320B	480-34997-K-18		480-109590		03/27/2013 14:47	1	TAL BUF	LK
A:SM 2340C	480-34997-G-18		480-110487		04/02/2013 13:00	1	TAL BUF	LYW
A:SM 2540C	480-34997-B-18		480-109555		03/27/2013 19:22	1	TAL BUF	JB
A:SM 5210B	480-34997-A-18		480-109325		03/26/2013 18:23	1	TAL BUF	KS
A:SM 5310D	480-34997-Q-18		480-110095		03/29/2013 19:12	1	TAL BUF	KC
A:Field Sampling	480-34997-A-18		480-109939		03/26/2013 13:40	1	TAL BUF	FLD

Lab ID: 480-34997-18 MS

Client ID: PZ-10M

Sample Date/Time: 03/26/2013 13:40 Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:9056	480-34997-L-18 MS		480-110009		03/29/2013 20:36	1	TAL BUF	KC

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34997-18 DU

Client ID: PZ-10M

Sample Date/Time: 03/26/2013 13:40

Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:9012A	480-34997-E-18-B DU		480-110026	480-109835	03/28/2013 22:30		1	TAL BUF	JB
A:9012A	480-34997-E-18-B DU		480-110026	480-109835	03/29/2013 18:05		1	TAL BUF	EGN

Lab ID: 480-34997-19

Client ID: DRAIN TILE 2

Sample Date/Time: 03/26/2013 14:50

Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-34997-M-19		480-109803		03/29/2013 06:25		1	TAL BUF	LH
A:8260B	480-34997-M-19		480-109803		03/29/2013 06:25		1	TAL BUF	LH
P:3005A	480-34997-F-19-D		480-109652	480-109404	03/27/2013 10:10		1	TAL BUF	JM
A:6010B	480-34997-F-19-D		480-109652	480-109404	03/27/2013 20:46		1	TAL BUF	LH
P:7470A	480-34997-F-19-A		480-109519	480-109372	03/27/2013 08:15		1	TAL BUF	JRK
A:7470A	480-34997-F-19-A		480-109519	480-109372	03/27/2013 12:59		1	TAL BUF	JRK
P:Distill/Ammonia	480-34997-D-19-G		480-109919	480-109794	03/28/2013 18:04		1	TAL BUF	KS
A:350.1	480-34997-D-19-G		480-109919	480-109794	03/29/2013 09:50		1	TAL BUF	KS
P:351.2	480-34997-D-19-D		480-109821	480-109452	03/27/2013 11:00		1	TAL BUF	EGN
A:351.2	480-34997-D-19-D		480-109821	480-109452	03/28/2013 19:02		1	TAL BUF	NH
A:353.2	480-34997-I-19		480-109525		03/27/2013 15:29		1	TAL BUF	KS
A:410.4	480-34997-D-19		480-110050		03/29/2013 21:08		1	TAL BUF	JB
P:Distill/Phenol	480-34997-C-19-A		480-110382	480-110291	04/01/2013 16:39		1	TAL BUF	KS
A:420.4	480-34997-C-19-A		480-110382	480-110291	04/02/2013 01:18		1	TAL BUF	PJQ
A:7196A	480-34997-J-19		480-109341		03/26/2013 22:15		1	TAL BUF	KS
P:9012A	480-34997-E-19-A		480-109685	480-109577	03/27/2013 17:01		1	TAL BUF	JB
A:9012A	480-34997-E-19-A		480-109685	480-109577	03/28/2013 08:49		1	TAL BUF	EGN
A:9056	480-34997-L-19		480-109661		03/28/2013 23:07		1	TAL BUF	KC
A:9056	480-34997-L-19		480-110009		03/29/2013 21:07		1	TAL BUF	KC
A:SM 2120B	480-34997-I-19		480-109301		03/26/2013 19:45		1	TAL BUF	KS
A:SM 2320B	480-34997-K-19		480-109590		03/27/2013 15:23		1	TAL BUF	LK
A:SM 2340C	480-34997-G-19		480-110487		04/02/2013 13:00		1	TAL BUF	LYW
A:SM 2540C	480-34997-B-19		480-109555		03/27/2013 19:22		1	TAL BUF	JB
A:SM 5210B	480-34997-A-19		480-109325		03/26/2013 18:23		1	TAL BUF	KS
A:SM 5310D	480-34997-P-19		480-110454		04/02/2013 07:54		1	TAL BUF	KC
A:Field Sampling	480-34997-A-19		480-109939		03/26/2013 14:50		1	TAL BUF	FLD

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34997-19

Client ID: DRAIN TILE 2

Sample Date/Time: 03/26/2013 14:50

Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	480-34997-M-19 MS		480-109803		03/29/2013	06:49	1	TAL BUF	LH
A:8260B	480-34997-M-19 MS		480-109803		03/29/2013	06:49	1	TAL BUF	LH
P:3005A	480-34997-F-19-E MS		480-109652	480-109404	03/27/2013	10:10	1	TAL BUF	JM
A:6010B	480-34997-F-19-E MS		480-109652	480-109404	03/27/2013	20:52	1	TAL BUF	LH
P:7470A	480-34997-F-19-B MS		480-109519	480-109372	03/27/2013	08:15	1	TAL BUF	JRK
A:7470A	480-34997-F-19-B MS		480-109519	480-109372	03/27/2013	13:03	1	TAL BUF	JRK
P:Distill/Ammonia	480-34997-D-19-H MS		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	480-34997-D-19-H MS		480-109919	480-109794	03/29/2013	09:51	1	TAL BUF	KS
P:351.2	480-34997-D-19-E MS		480-109821	480-109452	03/27/2013	11:00	1	TAL BUF	EGN
A:351.2	480-34997-D-19-E MS		480-109821	480-109452	03/28/2013	19:02	1	TAL BUF	NH
A:410.4	480-34997-D-19 MS		480-110050		03/29/2013	21:08	2	TAL BUF	JB
P:Distill/Phenol	480-34997-C-19-B MS		480-110382	480-110291	04/01/2013	16:48	1	TAL BUF	KS
A:420.4	480-34997-C-19-B MS		480-110382	480-110291	04/02/2013	01:59	1	TAL BUF	PJQ
A:7196A	480-34997-J-19 MS		480-109341		03/26/2013	22:17	1	TAL BUF	KS
P:9012A	480-34997-E-19-B MS		480-109685	480-109577	03/27/2013	17:01	1	TAL BUF	JB
A:9012A	480-34997-E-19-B MS		480-109685	480-109577	03/28/2013	08:50	1	TAL BUF	EGN
A:9056	480-34997-L-19 MS		480-109661		03/28/2013	23:17	1	TAL BUF	KC
A:9056	480-34997-L-19 MS		480-110009		03/29/2013	21:17	1	TAL BUF	KC
A:SM 2120B	480-34997-I-19 MS		480-109301		03/26/2013	20:05	1	TAL BUF	KS
A:SM 2320B	480-34997-K-19 MS		480-109590		03/27/2013	15:30	1	TAL BUF	LK
A:SM 2340C	480-34997-G-19 MS		480-110487		04/02/2013	13:00	1	TAL BUF	LYW
A:SM 5210B	480-34997-A-19 MS		480-109325		03/26/2013	18:23	5	TAL BUF	KS
A:SM 5310D	480-34997-Q-19 MS		480-110454		04/02/2013	08:14	1	TAL BUF	KC

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34997-19

Client ID: DRAIN TILE 2

Sample Date/Time: 03/26/2013 14:50

Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	480-34997-M-19 MSD		480-109803		03/29/2013 07:12	1	TAL BUF	LH	
A:8260B	480-34997-M-19 MSD		480-109803		03/29/2013 07:12	1	TAL BUF	LH	
P:3005A	480-34997-F-19-F MSD		480-109652	480-109404	03/27/2013 10:10	1	TAL BUF	JM	
A:6010B	480-34997-F-19-F MSD		480-109652	480-109404	03/27/2013 20:55	1	TAL BUF	LH	
P:7470A	480-34997-F-19-C MSD		480-109519	480-109372	03/27/2013 08:15	1	TAL BUF	JRK	
A:7470A	480-34997-F-19-C MSD		480-109519	480-109372	03/27/2013 13:05	1	TAL BUF	JRK	
P:Distill/Ammonia	480-34997-D-19-I MSD		480-109919	480-109794	03/28/2013 18:04	1	TAL BUF	KS	
A:350.1	480-34997-D-19-I MSD		480-109919	480-109794	03/29/2013 09:52	1	TAL BUF	KS	
P:351.2	480-34997-D-19-F MSD		480-109821	480-109452	03/27/2013 11:00	1	TAL BUF	EGN	
A:351.2	480-34997-D-19-F MSD		480-109821	480-109452	03/28/2013 19:02	1	TAL BUF	NH	
A:410.4	480-34997-D-19 MSD		480-110050		03/29/2013 21:08	2	TAL BUF	JB	
P:Distill/Phenol	480-34997-C-19-C MSD		480-110382	480-110291	04/01/2013 16:56	1	TAL BUF	KS	
A:420.4	480-34997-C-19-C MSD		480-110382	480-110291	04/02/2013 01:59	1	TAL BUF	PJQ	
A:7196A	480-34997-J-19 MSD		480-109341		03/26/2013 22:19	1	TAL BUF	KS	
P:9012A	480-34997-E-19-C MSD		480-109685	480-109577	03/27/2013 17:01	1	TAL BUF	JB	
A:9012A	480-34997-E-19-C MSD		480-109685	480-109577	03/28/2013 08:50	1	TAL BUF	EGN	
A:9056	480-34997-L-19 MSD		480-109661		03/28/2013 23:28	1	TAL BUF	KC	
A:9056	480-34997-L-19 MSD		480-110009		03/29/2013 21:27	1	TAL BUF	KC	
A:SM 2120B	480-34997-I-19 MSD		480-109301		03/26/2013 20:25	1	TAL BUF	KS	
A:SM 2320B	480-34997-K-19 MSD		480-109590		03/27/2013 15:37	1	TAL BUF	LK	
A:SM 2340C	480-34997-G-19 MSD		480-110487		04/02/2013 13:00	1	TAL BUF	LYW	
A:SM 5210B	480-34997-A-19 MSD		480-109325		03/26/2013 18:23	5	TAL BUF	KS	
A:SM 5310D	480-34997-P-19 MSD		480-110454		04/02/2013 08:34	1	TAL BUF	KC	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-34997-19 SD

Client ID: DRAIN TILE 2

Sample Date/Time: 03/26/2013 14:50

Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3005A	480-34997-F-19-D SD ^5		480-109652	480-109404	03/27/2013	10:10	5	TAL BUF	JM
A:6010B	480-34997-F-19-D SD ^5		480-109652	480-109404	03/27/2013	20:48	5	TAL BUF	LH
P:3005A	480-34997-F-19-D PDS		480-109652	480-109404	03/27/2013	10:10	1	TAL BUF	JM
A:6010B	480-34997-F-19-D PDS		480-109652	480-109404	03/27/2013	20:50	1	TAL BUF	LH
P:7470A	480-34997-F-19-A SD ^5		480-109519	480-109372	03/27/2013	08:15	5	TAL BUF	JRK
A:7470A	480-34997-F-19-A SD ^5		480-109519	480-109372	03/27/2013	13:01	5	TAL BUF	JRK

Lab ID: 480-34997-20

Client ID: Trip Blank

Sample Date/Time: 03/26/2013 08:30

Received Date/Time: 03/26/2013 19:13

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-34997-A-20		480-109803		03/29/2013	07:36	1	TAL BUF	LH
A:8260B	480-34997-A-20		480-109803		03/29/2013	07:36	1	TAL BUF	LH

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-17

Client ID: PZ-17D

Sample Date/Time: 03/27/2013 11:40

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	480-35108-M-17		480-109878		03/29/2013	15:25	1	TAL BUF	TRB
A:8260B	480-35108-M-17		480-109878		03/29/2013	15:25	1	TAL BUF	TRB
P:3005A	480-35108-E-17-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-17-A		480-109897	480-109673	03/28/2013	19:09	1	TAL BUF	LH
P:7470A	480-35108-E-17-B		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	480-35108-E-17-B		480-109956	480-109867	03/29/2013	12:50	1	TAL BUF	JRK
P:Distill/Ammonia	480-35108-D-17-B		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	480-35108-D-17-B		480-109919	480-109794	03/29/2013	10:00	1	TAL BUF	KS
P:351.2	480-35108-D-17-A		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	480-35108-D-17-A		480-109821	480-109781	03/28/2013	20:06	1	TAL BUF	NH
A:353.2	480-35108-I-17		480-109585		03/27/2013	23:44	1	TAL BUF	KS
A:410.4	480-35108-D-17		480-110334		04/01/2013	20:18	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-17-A		480-110807	480-110755	04/03/2013	18:13	1	TAL BUF	SB
A:420.4	480-35108-C-17-A		480-110807	480-110755	04/04/2013	03:24	1	TAL BUF	PJQ
A:7196A	480-35108-J-17		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	480-35108-G-17-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	480-35108-G-17-A		480-110120	480-110020	03/30/2013	11:49	1	TAL BUF	KS
A:9056	480-35108-L-17		480-109999		03/29/2013	23:58	1	TAL BUF	KC
A:SM 2120B	480-35108-J-17		480-109520		03/27/2013	19:18	1	TAL BUF	KS
A:SM 2320B	480-35108-H-17		480-110563		04/02/2013	23:31	1	TAL BUF	LK
A:SM 2340C	480-35108-F-17		480-110296		04/01/2013	15:45	1	TAL BUF	LYW
A:SM 2540C	480-35108-B-17		480-109797		03/28/2013	19:52	1	TAL BUF	JB
A:SM 5210B	480-35108-A-17		480-109557		03/27/2013	19:20	1	TAL BUF	KS
A:SM 5310D	480-35108-Q-17		480-110095		03/29/2013	19:51	1	TAL BUF	KC
A:Field Sampling	480-35108-A-17		480-109939		03/27/2013	11:40	1	TAL BUF	FLD

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-18

Client ID: PZ-13D

Sample Date/Time: 03/27/2013 12:25

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-35108-M-18		480-109878		03/29/2013	15:50	1	TAL BUF	TRB
A:8260B	480-35108-M-18		480-109878		03/29/2013	15:50	1	TAL BUF	TRB
P:3005A	480-35108-E-18-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-18-A		480-109897	480-109673	03/28/2013	19:11	1	TAL BUF	LH
P:7470A	480-35108-E-18-D		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	480-35108-E-18-D		480-109956	480-109867	03/29/2013	12:52	1	TAL BUF	JRK
P:Distill/Ammonia	480-35108-D-18-B		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	480-35108-D-18-B		480-109919	480-109794	03/29/2013	10:00	1	TAL BUF	KS
P:351.2	480-35108-D-18-C		480-110329	480-109996	03/29/2013	09:35	1	TAL BUF	KJ
A:351.2	480-35108-D-18-C		480-110329	480-109996	04/01/2013	18:27	1	TAL BUF	NH
A:353.2	480-35108-I-18		480-109586		03/27/2013	22:05	1	TAL BUF	KS
A:410.4	480-35108-D-18		480-110774		04/03/2013	20:39	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-18-A		480-110807	480-110755	04/03/2013	18:13	1	TAL BUF	SB
A:420.4	480-35108-C-18-A		480-110807	480-110755	04/04/2013	04:07	1	TAL BUF	PJQ
A:7196A	480-35108-J-18		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	480-35108-G-18-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	480-35108-G-18-A		480-110120	480-110020	03/30/2013	11:50	1	TAL BUF	KS
A:9056	480-35108-L-18		480-109999		03/30/2013	00:08	1	TAL BUF	KC
A:SM 2120B	480-35108-J-18		480-109520		03/27/2013	19:33	1	TAL BUF	KS
A:SM 2320B	480-35108-I-18		480-110761		04/03/2013	14:27	1	TAL BUF	EGN
A:SM 2340C	480-35108-F-18		480-110487		04/02/2013	13:00	1	TAL BUF	LYW
A:SM 2540C	480-35108-B-18		480-109797		03/28/2013	19:37	1	TAL BUF	JB
A:SM 5210B	480-35108-A-18		480-109557		03/27/2013	19:20	1	TAL BUF	KS
A:SM 5310D	480-35108-Q-18		480-110454		04/02/2013	09:53	1	TAL BUF	KC
A:Field Sampling	480-35108-A-18		480-109939		03/27/2013	12:25	1	TAL BUF	FLD

Lab ID: 480-35108-18 MS

Client ID: PZ-13D

Sample Date/Time: 03/27/2013 12:25

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3005A	480-35108-E-18-B MS		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-18-B MS		480-109897	480-109673	03/28/2013	19:18	1	TAL BUF	LH
A:7196A	480-35108-J-18 MS		480-109561		03/27/2013	19:00	1	TAL BUF	NH

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-18 MSD

Client ID: PZ-13D

Sample Date/Time: 03/27/2013 12:25

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3005A	480-35108-E-18-C MSD		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-18-C MSD		480-109897	480-109673	03/28/2013	19:20	1	TAL BUF	LH

Lab ID: 480-35108-18 DU

Client ID: PZ-13D

Sample Date/Time: 03/27/2013 12:25

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
A:7196A	480-35108-J-18 DU		480-109561		03/27/2013	19:00	1	TAL BUF	NH

Lab ID: 480-35108-18 SD

Client ID: PZ-13D

Sample Date/Time: 03/27/2013 12:25

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:3005A	480-35108-E-18-A SD ^5		480-109897	480-109673	03/28/2013	11:00	5	TAL BUF	SS
A:6010B	480-35108-E-18-A SD ^5		480-109897	480-109673	03/28/2013	19:13	5	TAL BUF	LH
P:3005A	480-35108-E-18-A PDS		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-18-A PDS		480-109897	480-109673	03/28/2013	19:16	1	TAL BUF	LH

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-19

Client ID: PZ-13M

Sample Date/Time: 03/27/2013 12:10

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-35108-M-19		480-109878		03/29/2013 16:15	1	TAL BUF	TRB	
A:8260B	480-35108-M-19		480-109878		03/29/2013 16:15	1	TAL BUF	TRB	
P:3005A	480-35108-E-19-A		480-109897	480-109673	03/28/2013 11:00	1	TAL BUF	SS	
A:6010B	480-35108-E-19-A		480-109897	480-109673	03/28/2013 19:22	1	TAL BUF	LH	
P:7470A	480-35108-E-19-B		480-109956	480-109867	03/29/2013 08:20	1	TAL BUF	JRK	
A:7470A	480-35108-E-19-B		480-109956	480-109867	03/29/2013 12:53	1	TAL BUF	JRK	
P:Distill/Ammonia	480-35108-D-19-B		480-109919	480-109794	03/28/2013 18:04	1	TAL BUF	KS	
A:350.1	480-35108-D-19-B		480-109919	480-109794	03/29/2013 10:01	1	TAL BUF	KS	
P:351.2	480-35108-D-19-A		480-109821	480-109781	03/28/2013 16:43	1	TAL BUF	EGN	
A:351.2	480-35108-D-19-A		480-109821	480-109781	03/28/2013 20:06	1	TAL BUF	NH	
A:353.2	480-35108-I-19		480-109586		03/27/2013 22:13	1	TAL BUF	KS	
A:410.4	480-35108-D-19		480-110774		04/03/2013 20:39	1	TAL BUF	JB	
P:Distill/Phenol	480-35108-C-19-A		480-110807	480-110555	04/02/2013 21:22	1	TAL BUF	JB	
A:420.4	480-35108-C-19-A		480-110807	480-110555	04/04/2013 02:53	1	TAL BUF	PJQ	
A:7196A	480-35108-J-19		480-109561		03/27/2013 19:00	1	TAL BUF	NH	
P:9012A	480-35108-G-19-A		480-110120	480-110020	03/29/2013 15:27	1	TAL BUF	EGN	
A:9012A	480-35108-G-19-A		480-110120	480-110020	03/30/2013 11:51	1	TAL BUF	KS	
A:9056	480-35108-L-19		480-109999		03/30/2013 00:18	1	TAL BUF	KC	
A:SM 2120B	480-35108-J-19		480-109520		03/27/2013 19:47	1	TAL BUF	KS	
A:SM 2320B	480-35108-I-19		480-110563		04/02/2013 23:55	1	TAL BUF	LK	
A:SM 2340C	480-35108-F-19		480-110487		04/02/2013 13:00	1	TAL BUF	LYW	
A:SM 2540C	480-35108-B-19		480-110330		04/01/2013 22:42	1	TAL BUF	KS	
A:SM 5210B	480-35108-A-19		480-109748		03/28/2013 09:28	1	TAL BUF	ML	
A:SM 5310D	480-35108-P-19		480-110596		04/02/2013 17:24	1	TAL BUF	KC	
A:Field Sampling	480-35108-A-19		480-109939		03/27/2013 12:10	1	TAL BUF	FLD	

Lab ID: 480-35108-19 MS

Client ID: PZ-13M

Sample Date/Time: 03/27/2013 12:10

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:Distill/Phenol	480-35108-C-19-B MS		480-110807	480-110555	04/02/2013 21:22	1	TAL BUF	JB	
A:420.4	480-35108-C-19-B MS		480-110807	480-110555	04/04/2013 02:54	1	TAL BUF	PJQ	

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-20

Client ID: PZ-19D

Sample Date/Time: 03/27/2013 12:45

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	480-35108-M-20		480-109878		03/29/2013	16:40	1	TAL BUF	TRB
A:8260B	480-35108-M-20		480-109878		03/29/2013	16:40	1	TAL BUF	TRB
P:3005A	480-35108-E-20-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-20-A		480-109897	480-109673	03/28/2013	19:29	1	TAL BUF	LH
P:3005A	480-35108-E-20-A		480-110066	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-20-A		480-110066	480-109673	03/29/2013	14:36	1	TAL BUF	LH
P:7470A	480-35108-E-20-B		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	480-35108-E-20-B		480-109956	480-109867	03/29/2013	12:58	1	TAL BUF	JRK
P:Distill/Ammonia	480-35108-D-20-B		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	480-35108-D-20-B		480-109919	480-109794	03/29/2013	10:02	1	TAL BUF	KS
P:351.2	480-35108-D-20-A		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	480-35108-D-20-A		480-109821	480-109781	03/28/2013	20:06	1	TAL BUF	NH
A:353.2	480-35108-I-20		480-109586		03/27/2013	22:16	1	TAL BUF	KS
A:410.4	480-35108-D-20		480-110334		04/01/2013	20:18	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-20-A		480-110807	480-110555	04/02/2013	21:22	1	TAL BUF	JB
A:420.4	480-35108-C-20-A		480-110807	480-110555	04/04/2013	02:53	1	TAL BUF	PJQ
A:7196A	480-35108-J-20		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	480-35108-G-20-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	480-35108-G-20-A		480-110120	480-110020	03/30/2013	12:22	1	TAL BUF	KS
A:9056	480-35108-L-20		480-109999		03/30/2013	00:29	1	TAL BUF	KC
A:SM 2120B	480-35108-J-20		480-109520		03/27/2013	20:02	1	TAL BUF	KS
A:SM 2320B	480-35108-H-20		480-110407		04/02/2013	05:11	1	TAL BUF	EGN
A:SM 2340C	480-35108-F-20		480-110487		04/02/2013	13:00	1	TAL BUF	LYW
A:SM 2540C	480-35108-B-20		480-109827		03/28/2013	23:45	1	TAL BUF	JB
A:SM 5210B	480-35108-A-20		480-109557		03/27/2013	19:20	1	TAL BUF	KS
A:SM 5310D	480-35108-P-20		480-110596		04/02/2013	17:44	1	TAL BUF	KC
A:Field Sampling	480-35108-A-20		480-109939		03/27/2013	12:45	1	TAL BUF	FLD

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-21

Client ID: PZ-16D

Sample Date/Time: 03/27/2013 14:20

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	480-35108-M-21		480-109878		03/29/2013	17:05	1	TAL BUF	TRB
A:8260B	480-35108-M-21		480-109878		03/29/2013	17:05	1	TAL BUF	TRB
P:3005A	480-35108-E-21-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-21-A		480-109897	480-109673	03/28/2013	19:31	1	TAL BUF	LH
P:3005A	480-35108-E-21-A		480-110066	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-21-A		480-110066	480-109673	03/29/2013	14:38	1	TAL BUF	LH
P:7470A	480-35108-E-21-B		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	480-35108-E-21-B		480-109956	480-109867	03/29/2013	13:00	1	TAL BUF	JRK
P:Distill/Ammonia	480-35108-D-21-B		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	480-35108-D-21-B		480-109919	480-109794	03/29/2013	10:03	1	TAL BUF	KS
P:351.2	480-35108-D-21-A		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	480-35108-D-21-A		480-109821	480-109781	03/28/2013	20:13	1	TAL BUF	NH
A:353.2	480-35108-I-21		480-109586		03/27/2013	22:18	1	TAL BUF	KS
A:410.4	480-35108-D-21		480-110334		04/01/2013	20:18	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-21-A		480-110807	480-110555	04/02/2013	21:22	1	TAL BUF	JB
A:420.4	480-35108-C-21-A		480-110807	480-110555	04/04/2013	02:53	1	TAL BUF	PJQ
A:7196A	480-35108-J-21		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	480-35108-G-21-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	480-35108-G-21-A		480-110120	480-110020	03/30/2013	11:53	1	TAL BUF	KS
A:9056	480-35108-L-21		480-109999		03/30/2013	00:39	1	TAL BUF	KC
A:SM 2120B	480-35108-J-21		480-109520		03/27/2013	20:17	1	TAL BUF	KS
A:SM 2320B	480-35108-J-21		480-110407		04/02/2013	05:17	1	TAL BUF	EGN
A:SM 2340C	480-35108-F-21		480-110717		04/03/2013	12:00	1	TAL BUF	LYW
A:SM 2540C	480-35108-B-21		480-110032		03/29/2013	21:43	1	TAL BUF	KS
A:SM 5210B	480-35108-A-21		480-109557		03/27/2013	19:20	1	TAL BUF	KS
A:SM 5310D	480-35108-Q-21		480-110596		04/02/2013	18:04	1	TAL BUF	KC
A:Field Sampling	480-35108-A-21		480-109939		03/27/2013	14:20	1	TAL BUF	FLD

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-22

Client ID: PZ-18M

Sample Date/Time: 03/27/2013 14:18

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-35108-M-22		480-109878		03/29/2013	17:30	1	TAL BUF	TRB
A:8260B	480-35108-M-22		480-109878		03/29/2013	17:30	1	TAL BUF	TRB
P:3005A	480-35108-E-22-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-22-A		480-109897	480-109673	03/28/2013	19:33	1	TAL BUF	LH
P:3005A	480-35108-E-22-A		480-110066	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-22-A		480-110066	480-109673	03/29/2013	14:41	1	TAL BUF	LH
P:7470A	480-35108-E-22-B		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	480-35108-E-22-B		480-109956	480-109867	03/29/2013	13:02	1	TAL BUF	JRK
P:Distill/Ammonia	480-35108-D-22-C		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	480-35108-D-22-C		480-109919	480-109794	03/29/2013	10:04	1	TAL BUF	KS
P:351.2	480-35108-D-22-A		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	480-35108-D-22-A		480-109821	480-109781	03/28/2013	20:13	1	TAL BUF	NH
A:353.2	480-35108-I-22		480-109586		03/27/2013	22:19	1	TAL BUF	KS
A:410.4	480-35108-D-22		480-110334		04/01/2013	20:18	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-22-A		480-110807	480-110555	04/02/2013	21:22	1	TAL BUF	JB
A:420.4	480-35108-C-22-A		480-110807	480-110555	04/04/2013	02:45	1	TAL BUF	PJQ
A:7196A	480-35108-J-22		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	480-35108-G-22-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	480-35108-G-22-A		480-110120	480-110020	03/30/2013	11:54	1	TAL BUF	KS
A:9056	480-35108-L-22		480-109999		03/30/2013	00:49	1	TAL BUF	KC
A:SM 2120B	480-35108-J-22		480-109520		03/27/2013	20:32	1	TAL BUF	KS
A:SM 2320B	480-35108-I-22		480-110407		04/02/2013	05:23	1	TAL BUF	EGN
A:SM 2340C	480-35108-F-22		480-110717		04/03/2013	12:00	1	TAL BUF	LYW
A:SM 2540C	480-35108-B-22		480-110032		03/29/2013	21:44	1	TAL BUF	KS
A:SM 5210B	480-35108-A-22		480-109557		03/27/2013	19:20	1	TAL BUF	KS
A:SM 5310D	480-35108-P-22		480-110596		04/02/2013	18:23	1	TAL BUF	KC
A:Field Sampling	480-35108-A-22		480-109939		03/27/2013	14:18	1	TAL BUF	FLD

Lab ID: 480-35108-22 MS

Client ID: PZ-18M

Sample Date/Time: 03/27/2013 14:18

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:351.2	480-35108-D-22-B MS		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	480-35108-D-22-B MS		480-109821	480-109781	03/28/2013	20:13	1	TAL BUF	NH

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-23

Client ID: PZ-14M

Sample Date/Time: 03/27/2013 12:20

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-35108-M-23		480-109878		03/29/2013	17:55	1	TAL BUF	TRB
A:8260B	480-35108-M-23		480-109878		03/29/2013	17:55	1	TAL BUF	TRB
P:3005A	480-35108-E-23-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-23-A		480-109897	480-109673	03/28/2013	19:36	1	TAL BUF	LH
P:3005A	480-35108-E-23-A		480-110066	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-23-A		480-110066	480-109673	03/29/2013	14:43	1	TAL BUF	LH
P:7470A	480-35108-E-23-B		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	480-35108-E-23-B		480-109956	480-109867	03/29/2013	13:04	1	TAL BUF	JRK
P:Distill/Ammonia	480-35108-D-23-B		480-110653	480-110483	04/02/2013	14:25	1	TAL BUF	KS
A:350.1	480-35108-D-23-B		480-110653	480-110483	04/03/2013	10:34	1	TAL BUF	SB
P:351.2	480-35108-D-23-A		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	480-35108-D-23-A		480-109821	480-109781	03/28/2013	20:13	1	TAL BUF	NH
A:353.2	480-35108-I-23		480-109585		03/27/2013	23:45	1	TAL BUF	KS
A:410.4	480-35108-D-23		480-110334		04/01/2013	20:18	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-23-A		480-110807	480-110555	04/02/2013	21:22	1	TAL BUF	JB
A:420.4	480-35108-C-23-A		480-110807	480-110555	04/04/2013	02:45	1	TAL BUF	PJQ
A:7196A	480-35108-J-23		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	480-35108-G-23-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	480-35108-G-23-A		480-110120	480-110020	03/30/2013	11:55	1	TAL BUF	KS
A:9056	480-35108-L-23		480-109999		03/30/2013	00:59	1	TAL BUF	KC
A:SM 2120B	480-35108-J-23		480-109520		03/27/2013	20:47	1	TAL BUF	KS
A:SM 2320B	480-35108-J-23		480-110407		04/02/2013	05:29	1	TAL BUF	EGN
A:SM 2340C	480-35108-F-23		480-110717		04/03/2013	12:00	1	TAL BUF	LYW
A:SM 2540C	480-35108-B-23		480-110032		03/29/2013	21:46	1	TAL BUF	KS
A:SM 5210B	480-35108-A-23		480-109557		03/27/2013	19:20	1	TAL BUF	KS
A:SM 5310D	480-35108-P-23		480-110596		04/02/2013	18:43	1	TAL BUF	KC
A:Field Sampling	480-35108-A-23		480-109939		03/27/2013	12:20	1	TAL BUF	FLD

Lab ID: 480-35108-23 MS

Client ID: PZ-14M

Sample Date/Time: 03/27/2013 12:20

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
A:9056	480-35108-L-23 MS		480-109999		03/30/2013	01:09	1	TAL BUF	KC
A:SM 2340C	480-35108-F-23 MS		480-110717		04/03/2013	12:00	1	TAL BUF	LYW

Lab ID: 480-35108-23 MSD

Client ID: PZ-14M

Sample Date/Time: 03/27/2013 12:20

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
A:9056	480-35108-L-23 MSD		480-109999		03/30/2013	01:19	1	TAL BUF	KC

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-23 DU

Client ID: PZ-14M

Sample Date/Time: 03/27/2013 12:20

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:7196A	480-35108-J-23 DU		480-109561		03/27/2013 19:00	1	TAL BUF	NH

Lab ID: 480-35108-24

Client ID: Field Duplicate

Sample Date/Time: 03/27/2013 14:18

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-35108-M-24		480-109878		03/29/2013 18:20	1	TAL BUF	TRB
A:8260B	480-35108-M-24		480-109878		03/29/2013 18:20	1	TAL BUF	TRB
P:3005A	480-35108-E-24-A		480-109897	480-109673	03/28/2013 11:00	1	TAL BUF	SS
A:6010B	480-35108-E-24-A		480-109897	480-109673	03/28/2013 19:38	1	TAL BUF	LH
P:3005A	480-35108-E-24-A		480-110066	480-109673	03/28/2013 11:00	1	TAL BUF	SS
A:6010B	480-35108-E-24-A		480-110066	480-109673	03/29/2013 14:45	1	TAL BUF	LH
P:7470A	480-35108-E-24-B		480-109956	480-109867	03/29/2013 08:20	1	TAL BUF	JRK
A:7470A	480-35108-E-24-B		480-109956	480-109867	03/29/2013 13:06	1	TAL BUF	JRK
P:Distill/Ammonia	480-35108-D-24-B		480-110653	480-110483	04/02/2013 14:25	1	TAL BUF	KS
A:350.1	480-35108-D-24-B		480-110653	480-110483	04/03/2013 10:35	1	TAL BUF	SB
P:351.2	480-35108-D-24-A		480-109821	480-109781	03/28/2013 16:43	1	TAL BUF	EGN
A:351.2	480-35108-D-24-A		480-109821	480-109781	03/28/2013 20:19	1	TAL BUF	NH
A:353.2	480-35108-I-24		480-109586		03/27/2013 22:21	1	TAL BUF	KS
A:410.4	480-35108-D-24		480-110334		04/01/2013 20:18	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-24-A		480-110807	480-110555	04/02/2013 21:22	1	TAL BUF	JB
A:420.4	480-35108-C-24-A		480-110807	480-110555	04/04/2013 02:45	1	TAL BUF	PJQ
A:7196A	480-35108-J-24		480-109561		03/27/2013 19:00	1	TAL BUF	NH
P:9012A	480-35108-G-24-A		480-110120	480-110020	03/29/2013 15:27	1	TAL BUF	EGN
A:9012A	480-35108-G-24-A		480-110120	480-110020	03/30/2013 11:56	1	TAL BUF	KS
A:9056	480-35108-L-24		480-110015		03/30/2013 02:10	1	TAL BUF	KC
A:SM 2120B	480-35108-J-24		480-109520		03/27/2013 21:02	1	TAL BUF	KS
A:SM 2320B	480-35108-J-24		480-110407		04/02/2013 05:35	1	TAL BUF	EGN
A:SM 2340C	480-35108-F-24		480-110717		04/03/2013 12:00	1	TAL BUF	LYW
A:SM 2540C	480-35108-B-24		480-110032		03/29/2013 21:47	1	TAL BUF	KS
A:SM 5210B	480-35108-A-24		480-109557		03/27/2013 19:20	1	TAL BUF	KS
A:SM 5310D	480-35108-Q-24		480-110596		04/02/2013 19:42	1	TAL BUF	KC
A:Field Sampling	480-35108-A-24		480-109939		03/27/2013 14:18	1	TAL BUF	FLD

Lab ID: 480-35108-24 MS

Client ID: Field Duplicate

Sample Date/Time: 03/27/2013 14:18

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:410.4	480-35108-D-24 MS		480-110334		04/01/2013 20:18	2	TAL BUF	JB

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-24 DU

Client ID: Field Duplicate

Sample Date/Time: 03/27/2013 14:18

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:Distill/Ammonia	480-35108-D-24-C DU		480-110653	480-110483	04/02/2013	14:25	1	TAL BUF	KS
A:350.1	480-35108-D-24-C DU		480-110653	480-110483	04/03/2013	10:36	1	TAL BUF	SB
A:410.4	480-35108-D-24 DU		480-110334		04/01/2013	20:18	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-24-B DU		480-110807	480-110555	04/02/2013	21:22	1	TAL BUF	JB
A:420.4	480-35108-C-24-B DU		480-110807	480-110555	04/04/2013	02:45	1	TAL BUF	PJQ
A:SM 2340C	480-35108-F-24 DU		480-110717		04/03/2013	12:00	1	TAL BUF	LYW

Lab ID: 480-35108-25

Client ID: Equipment Blank

Sample Date/Time: 03/27/2013 12:00

Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5030B	480-35108-M-25		480-109878		03/29/2013	18:45	1	TAL BUF	TRB
A:8260B	480-35108-M-25		480-109878		03/29/2013	18:45	1	TAL BUF	TRB
P:3005A	480-35108-E-25-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-25-A		480-109897	480-109673	03/28/2013	19:40	1	TAL BUF	LH
P:3005A	480-35108-E-25-A		480-110066	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	480-35108-E-25-A		480-110066	480-109673	03/29/2013	14:47	1	TAL BUF	LH
P:7470A	480-35108-E-25-B		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	480-35108-E-25-B		480-109956	480-109867	03/29/2013	13:08	1	TAL BUF	JRK
P:Distill/Ammonia	480-35108-D-25-B		480-110653	480-110483	04/02/2013	14:25	1	TAL BUF	KS
A:350.1	480-35108-D-25-B		480-110653	480-110483	04/03/2013	10:37	1	TAL BUF	SB
P:351.2	480-35108-D-25-A		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	480-35108-D-25-A		480-109821	480-109781	03/28/2013	20:19	1	TAL BUF	NH
A:353.2	480-35108-J-25		480-109586		03/27/2013	22:40	1	TAL BUF	KS
A:410.4	480-35108-D-25		480-110334		04/01/2013	20:18	1	TAL BUF	JB
P:Distill/Phenol	480-35108-C-25-A		480-110807	480-110755	04/03/2013	18:13	1	TAL BUF	SB
A:420.4	480-35108-C-25-A		480-110807	480-110755	04/04/2013	04:07	1	TAL BUF	PJQ
A:7196A	480-35108-J-25		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	480-35108-G-25-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	480-35108-G-25-A		480-110120	480-110020	03/30/2013	11:56	1	TAL BUF	KS
A:9056	480-35108-L-25		480-110015		03/30/2013	02:20	1	TAL BUF	KC
A:SM 2120B	480-35108-I-25		480-109725		03/28/2013	11:53	1	TAL BUF	ML
A:SM 2320B	480-35108-I-25		480-110563		04/03/2013	00:00	1	TAL BUF	LK
A:SM 2340C	480-35108-F-25		480-110717		04/03/2013	12:00	1	TAL BUF	LYW
A:SM 2540C	480-35108-B-25		480-110032		03/29/2013	21:49	1	TAL BUF	KS
A:SM 5210B	480-35108-A-25		480-109748		03/28/2013	09:28	1	TAL BUF	ML
A:SM 5310D	480-35108-Q-25		480-110596		04/02/2013	20:02	1	TAL BUF	KC

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: 480-35108-25 MS

Client ID: Equipment Blank

Sample Date/Time: 03/27/2013 12:00 Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:Distill/Ammonia	480-35108-D-25-C MS		480-110653	480-110483	04/02/2013 14:25		1	TAL BUF	KS
A:350.1	480-35108-D-25-C MS		480-110653	480-110483	04/03/2013 10:38		1	TAL BUF	SB
A:7196A	480-35108-J-25 MS		480-109561		03/27/2013 19:00		1	TAL BUF	NH

Lab ID: 480-35108-26

Client ID: Trip Blank

Sample Date/Time: 03/27/2013 08:00 Received Date/Time: 03/27/2013 18:28

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	480-35108-A-26		480-109878		03/29/2013 19:11		1	TAL BUF	TRB
A:8260B	480-35108-A-26		480-109878		03/29/2013 19:11		1	TAL BUF	TRB

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	MB 480-109569/4		480-109569		03/27/2013	23:59	1	TAL BUF	TRB
A:8260B	MB 480-109569/4		480-109569		03/27/2013	23:59	1	TAL BUF	TRB
P:5030B	MB 480-109700/4		480-109700		03/28/2013	12:07	1	TAL BUF	CDC
A:8260B	MB 480-109700/4		480-109700		03/28/2013	12:07	1	TAL BUF	CDC
P:5030B	MB 480-109803/5		480-109803		03/28/2013	22:29	1	TAL BUF	LH
A:8260B	MB 480-109803/5		480-109803		03/28/2013	22:29	1	TAL BUF	LH
P:5030B	MB 480-109878/5		480-109878		03/29/2013	10:33	1	TAL BUF	TRB
A:8260B	MB 480-109878/5		480-109878		03/29/2013	10:33	1	TAL BUF	TRB
P:3005A	MB 480-109283/1-A		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	MB 480-109283/1-A		480-109619	480-109283	03/27/2013	13:07	1	TAL BUF	LH
P:3005A	MB 480-109404/1-A		480-109652	480-109404	03/27/2013	10:10	1	TAL BUF	JM
A:6010B	MB 480-109404/1-A		480-109652	480-109404	03/27/2013	20:32	1	TAL BUF	LH
P:3005A	MB 480-109673/1-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	MB 480-109673/1-A		480-109897	480-109673	03/28/2013	18:37	1	TAL BUF	LH
P:7470A	MB 480-109171/1-A		480-109286	480-109171	03/26/2013	08:45	1	TAL BUF	JRK
A:7470A	MB 480-109171/1-A		480-109286	480-109171	03/26/2013	13:15	1	TAL BUF	JRK
P:7470A	MB 480-109372/1-A		480-109519	480-109372	03/27/2013	08:15	1	TAL BUF	JRK
A:7470A	MB 480-109372/1-A		480-109519	480-109372	03/27/2013	12:51	1	TAL BUF	JRK
P:7470A	MB 480-109867/1-A		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	MB 480-109867/1-A		480-109956	480-109867	03/29/2013	12:46	1	TAL BUF	JRK
P:7470A	MB 480-111146/1-A		480-111227	480-111146	04/05/2013	11:15	1	TAL BUF	JRK
A:7470A	MB 480-111146/1-A		480-111227	480-111146	04/05/2013	15:13	1	TAL BUF	JRK
P:Distill/Ammonia	MB 480-109295/2-A		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	MB 480-109295/2-A		480-109321	480-109295	03/26/2013	16:55	1	TAL BUF	KS
P:Distill/Ammonia	MB 480-109794/2-A		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	MB 480-109794/2-A		480-109919	480-109794	03/29/2013	09:45	1	TAL BUF	KS
P:Distill/Ammonia	MB 480-110483/2-A		480-110653	480-110483	04/02/2013	14:25	1	TAL BUF	KS
A:350.1	MB 480-110483/2-A		480-110653	480-110483	04/03/2013	10:31	1	TAL BUF	SB
P:351.2	MB 480-109452/1-A		480-109821	480-109452	03/27/2013	11:00	1	TAL BUF	EGN
A:351.2	MB 480-109452/1-A		480-109821	480-109452	03/28/2013	18:15	1	TAL BUF	NH
P:351.2	MB 480-109781/1-A		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	MB 480-109781/1-A		480-109821	480-109781	03/28/2013	18:20	1	TAL BUF	NH
P:351.2	MB 480-109996/1-A		480-110329	480-109996	03/29/2013	09:35	1	TAL BUF	KJ
A:351.2	MB 480-109996/1-A		480-110329	480-109996	04/01/2013	17:12	1	TAL BUF	NH
A:410.4	MB 480-110019/3		480-110019		03/29/2013	17:19	1	TAL BUF	JB
A:410.4	MB 480-110019/51		480-110019		03/29/2013	17:19	1	TAL BUF	JB
A:410.4	MB 480-110050/27		480-110050		03/29/2013	21:08	1	TAL BUF	JB
A:410.4	MB 480-110050/3		480-110050		03/29/2013	21:08	1	TAL BUF	JB
A:410.4	MB 480-110327/51		480-110327		04/01/2013	17:20	1	TAL BUF	JB
A:410.4	MB 480-110327/75		480-110327		04/01/2013	17:20	1	TAL BUF	JB
A:410.4	MB 480-110334/27		480-110334		04/01/2013	20:18	1	TAL BUF	JB
A:410.4	MB 480-110334/51		480-110334		04/01/2013	20:18	1	TAL BUF	JB
A:410.4	MB 480-110464/3		480-110464		04/02/2013	10:53	1	TAL BUF	KJ

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
A:410.4	MB 480-110774/3		480-110774		04/03/2013	20:39	1	TAL BUF	JB
A:410.4	MB 480-110959/3		480-110959		04/04/2013	10:55	1	TAL BUF	KJ
P:Distill/Phenol	MB 480-109752/1-A		480-109852	480-109752	03/28/2013	11:00	1	TAL BUF	KJ
A:420.4	MB 480-109752/1-A		480-109852	480-109752	03/29/2013	06:11	1	TAL BUF	PJQ
P:Distill/Phenol	MB 480-110291/1-A		480-110382	480-110291	04/01/2013	15:40	1	TAL BUF	KS
A:420.4	MB 480-110291/1-A		480-110382	480-110291	04/02/2013	01:13	1	TAL BUF	PJQ
P:Distill/Phenol	MB 480-110555/1-A		480-110807	480-110555	04/02/2013	21:22	1	TAL BUF	JB
A:420.4	MB 480-110555/1-A		480-110807	480-110555	04/04/2013	00:46	1	TAL BUF	PJQ
P:Distill/Phenol	MB 480-110755/1-A		480-110807	480-110755	04/03/2013	18:13	1	TAL BUF	SB
A:420.4	MB 480-110755/1-A		480-110807	480-110755	04/04/2013	00:52	1	TAL BUF	PJQ
A:7196A	MB 480-109117/3		480-109117		03/25/2013	18:50	1	TAL BUF	NH
A:7196A	MB 480-109341/3		480-109341		03/26/2013	22:09	1	TAL BUF	KS
A:7196A	MB 480-109561/3		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	MB 480-109489/1-A		480-109685	480-109489	03/27/2013	12:05	1	TAL BUF	EGN
A:9012A	MB 480-109489/1-A		480-109685	480-109489	03/28/2013	08:26	1	TAL BUF	EGN
P:9012A	MB 480-109577/1-A		480-109685	480-109577	03/27/2013	17:01	1	TAL BUF	JB
A:9012A	MB 480-109577/1-A		480-109685	480-109577	03/28/2013	08:47	1	TAL BUF	EGN
P:9012A	MB 480-109809/1-A		480-110026	480-109809	03/28/2013	14:11	1	TAL BUF	EGN
A:9012A	MB 480-109809/1-A		480-110026	480-109809	03/29/2013	17:16	1	TAL BUF	EGN
P:9012A	MB 480-109835/1-A		480-110026	480-109835	03/28/2013	22:30	1	TAL BUF	JB
A:9012A	MB 480-109835/1-A		480-110026	480-109835	03/29/2013	17:58	1	TAL BUF	EGN
P:9012A	MB 480-110020/3-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	MB 480-110020/3-A		480-110120	480-110020	03/30/2013	11:41	1	TAL BUF	KS
P:9012A	MB 480-110754/1-A		480-110948	480-110754	04/03/2013	17:30	1	TAL BUF	NH
A:9012A	MB 480-110754/1-A		480-110948	480-110754	04/04/2013	11:46	1	TAL BUF	EGN
A:9056	MB 480-109289/4		480-109289		03/26/2013	16:04	1	TAL BUF	KAC
A:9056	MB 480-109300/52		480-109300		03/27/2013	02:50	1	TAL BUF	KC
A:9056	MB 480-109661/76		480-109661		03/28/2013	22:07	1	TAL BUF	KC
A:9056	MB 480-110009/4		480-110009		03/29/2013	19:15	1	TAL BUF	KC
A:9056	MB 480-109999/28		480-109999		03/29/2013	21:57	1	TAL BUF	KC
A:9056	MB 480-110015/52		480-110015		03/30/2013	02:00	1	TAL BUF	KC
A:SM 2120B	MB 480-109141/3		480-109141		03/26/2013	02:32	1	TAL BUF	KS
A:SM 2120B	MB 480-109301/3		480-109301		03/26/2013	15:45	1	TAL BUF	KS
A:SM 2120B	MB 480-109520/3		480-109520		03/27/2013	15:49	1	TAL BUF	KS
A:SM 2120B	MB 480-109725/3		480-109725		03/28/2013	11:34	1	TAL BUF	ML
A:SM 2320B	MB 480-109312/6		480-109312		03/26/2013	13:53	1	TAL BUF	EGN
A:SM 2320B	MB 480-109590/6		480-109590		03/27/2013	12:45	1	TAL BUF	LK
A:SM 2320B	MB 480-109590/30		480-109590		03/27/2013	15:10	1	TAL BUF	LK
A:SM 2320B	MB 480-110407/6		480-110407		04/02/2013	03:54	1	TAL BUF	EGN
A:SM 2320B	MB 480-110563/6		480-110563		04/02/2013	22:42	1	TAL BUF	LK
A:SM 2320B	MB 480-110761/6		480-110761		04/03/2013	13:40	1	TAL BUF	EGN
A:SM 2340C	MB 480-109970/27		480-109970		03/29/2013	09:00	1	TAL BUF	LYW
A:SM 2340C	MB 480-109970/51		480-109970		03/29/2013	09:00	1	TAL BUF	LYW

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2340C	MB 480-110296/3		480-110296		04/01/2013 15:45	1	TAL BUF	LYW
A:SM 2340C	MB 480-110487/3		480-110487		04/02/2013 13:00	1	TAL BUF	LYW
A:SM 2340C	MB 480-110717/3		480-110717		04/03/2013 12:00	1	TAL BUF	LYW
A:SM 2540C	MB 480-109124/1		480-109124		03/26/2013 00:36	1	TAL BUF	KS
A:SM 2540C	MB 480-109555/1		480-109555		03/27/2013 19:22	1	TAL BUF	JB
A:SM 2540C	MB 480-109797/1		480-109797		03/28/2013 18:35	1	TAL BUF	JB
A:SM 2540C	MB 480-109827/1		480-109827		03/28/2013 23:02	1	TAL BUF	JB
A:SM 2540C	MB 480-110032/1		480-110032		03/29/2013 21:32	1	TAL BUF	KS
A:SM 2540C	MB 480-110330/1		480-110330		04/01/2013 22:32	1	TAL BUF	KS
A:SM 5310D	MB 480-110095/3		480-110095		03/29/2013 18:13	1	TAL BUF	KC
A:SM 5310D	MB 480-110454/3		480-110454		04/01/2013 19:06	1	TAL BUF	KC
A:SM 5310D	MB 480-110454/27		480-110454		04/02/2013 02:59	1	TAL BUF	KC
A:SM 5310D	MB 480-110596/3		480-110596		04/02/2013 15:46	1	TAL BUF	KC

Lab ID: USB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 5210B	USB 480-109132/1		480-109132		03/25/2013 21:35	1	TAL BUF	KS
A:SM 5210B	USB 480-109325/1		480-109325		03/26/2013 18:23	1	TAL BUF	KS
A:SM 5210B	USB 480-109557/1		480-109557		03/27/2013 19:20	1	TAL BUF	KS
A:SM 5210B	USB 480-109748/1		480-109748		03/28/2013 09:28	1	TAL BUF	ML

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	LCS 480-109569/3		480-109569		03/27/2013	23:32	1	TAL BUF	TRB
A:8260B	LCS 480-109569/3		480-109569		03/27/2013	23:32	1	TAL BUF	TRB
P:5030B	LCS 480-109700/3		480-109700		03/28/2013	11:40	1	TAL BUF	CDC
A:8260B	LCS 480-109700/3		480-109700		03/28/2013	11:40	1	TAL BUF	CDC
P:5030B	LCS 480-109803/4		480-109803		03/28/2013	22:06	1	TAL BUF	LH
A:8260B	LCS 480-109803/4		480-109803		03/28/2013	22:06	1	TAL BUF	LH
P:5030B	LCS 480-109878/4		480-109878		03/29/2013	10:08	1	TAL BUF	TRB
A:8260B	LCS 480-109878/4		480-109878		03/29/2013	10:08	1	TAL BUF	TRB
P:3005A	LCS 480-109283/2-A		480-109619	480-109283	03/27/2013	07:10	1	TAL BUF	JM
A:6010B	LCS 480-109283/2-A		480-109619	480-109283	03/27/2013	13:09	1	TAL BUF	LH
P:3005A	LCS 480-109404/2-A		480-109652	480-109404	03/27/2013	10:10	1	TAL BUF	JM
A:6010B	LCS 480-109404/2-A		480-109652	480-109404	03/27/2013	20:34	1	TAL BUF	LH
P:3005A	LCS 480-109673/2-A		480-109897	480-109673	03/28/2013	11:00	1	TAL BUF	SS
A:6010B	LCS 480-109673/2-A		480-109897	480-109673	03/28/2013	18:40	1	TAL BUF	LH
P:7470A	LCS 480-109171/2-A		480-109286	480-109171	03/26/2013	08:45	1	TAL BUF	JRK
A:7470A	LCS 480-109171/2-A		480-109286	480-109171	03/26/2013	13:18	1	TAL BUF	JRK
P:7470A	LCS 480-109372/2-A		480-109519	480-109372	03/27/2013	08:15	1	TAL BUF	JRK
A:7470A	LCS 480-109372/2-A		480-109519	480-109372	03/27/2013	12:53	1	TAL BUF	JRK
P:7470A	LCS 480-109867/2-A		480-109956	480-109867	03/29/2013	08:20	1	TAL BUF	JRK
A:7470A	LCS 480-109867/2-A		480-109956	480-109867	03/29/2013	12:48	1	TAL BUF	JRK
P:7470A	LCS 480-111146/2-A		480-111227	480-111146	04/05/2013	11:15	1	TAL BUF	JRK
A:7470A	LCS 480-111146/2-A		480-111227	480-111146	04/05/2013	15:15	1	TAL BUF	JRK
P:Distill/Ammonia	LCS 480-109295/1-A		480-109321	480-109295	03/26/2013	14:45	1	TAL BUF	KS
A:350.1	LCS 480-109295/1-A		480-109321	480-109295	03/26/2013	16:54	1	TAL BUF	KS
P:Distill/Ammonia	LCS 480-109794/1-A		480-109919	480-109794	03/28/2013	18:04	1	TAL BUF	KS
A:350.1	LCS 480-109794/1-A		480-109919	480-109794	03/29/2013	09:44	1	TAL BUF	KS
P:Distill/Ammonia	LCS 480-110483/1-A		480-110653	480-110483	04/02/2013	14:25	1	TAL BUF	KS
A:350.1	LCS 480-110483/1-A		480-110653	480-110483	04/03/2013	10:30	1	TAL BUF	SB
P:351.2	LCS 480-109452/2-A		480-109821	480-109452	03/27/2013	11:00	1	TAL BUF	EGN
A:351.2	LCS 480-109452/2-A		480-109821	480-109452	03/28/2013	18:15	1	TAL BUF	NH
P:351.2	LCS 480-109781/2-A		480-109821	480-109781	03/28/2013	16:43	1	TAL BUF	EGN
A:351.2	LCS 480-109781/2-A		480-109821	480-109781	03/28/2013	18:20	1	TAL BUF	NH
P:351.2	LCS 480-109996/2-A		480-110329	480-109996	03/29/2013	09:35	1	TAL BUF	KJ
A:351.2	LCS 480-109996/2-A		480-110329	480-109996	04/01/2013	17:12	1	TAL BUF	NH
A:410.4	LCS 480-110019/4		480-110019		03/29/2013	17:19	1	TAL BUF	JB
A:410.4	LCS 480-110019/52		480-110019		03/29/2013	17:19	1	TAL BUF	JB
A:410.4	LCS 480-110050/28		480-110050		03/29/2013	21:08	1	TAL BUF	JB
A:410.4	LCS 480-110050/4		480-110050		03/29/2013	21:08	1	TAL BUF	JB
A:410.4	LCS 480-110327/52		480-110327		04/01/2013	17:20	1	TAL BUF	JB
A:410.4	LCS 480-110327/76		480-110327		04/01/2013	17:20	1	TAL BUF	JB
A:410.4	LCS 480-110334/28		480-110334		04/01/2013	20:18	1	TAL BUF	JB
A:410.4	LCS 480-110334/52		480-110334		04/01/2013	20:18	1	TAL BUF	JB
A:410.4	LCS 480-110464/4		480-110464		04/02/2013	10:54	1	TAL BUF	KJ

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
A:410.4	LCS 480-110774/4		480-110774		04/03/2013	20:39	1	TAL BUF	JB
A:410.4	LCS 480-110959/4		480-110959		04/04/2013	10:55	1	TAL BUF	KJ
P:Distill/Phenol	LCS 480-109752/2-A		480-109852	480-109752	03/28/2013	11:00	1	TAL BUF	KJ
A:420.4	LCS 480-109752/2-A		480-109852	480-109752	03/29/2013	06:11	1	TAL BUF	PJQ
P:Distill/Phenol	LCS 480-110291/2-A		480-110382	480-110291	04/01/2013	15:48	1	TAL BUF	KS
A:420.4	LCS 480-110291/2-A		480-110382	480-110291	04/02/2013	01:13	1	TAL BUF	PJQ
P:Distill/Phenol	LCS 480-110555/2-A		480-110807	480-110555	04/02/2013	21:22	1	TAL BUF	JB
A:420.4	LCS 480-110555/2-A		480-110807	480-110555	04/04/2013	00:46	1	TAL BUF	PJQ
P:Distill/Phenol	LCS 480-110755/2-A		480-110807	480-110755	04/03/2013	18:13	1	TAL BUF	SB
A:420.4	LCS 480-110755/2-A		480-110807	480-110755	04/04/2013	00:52	1	TAL BUF	PJQ
A:7196A	LCS 480-109117/4		480-109117		03/25/2013	18:50	1	TAL BUF	NH
A:7196A	LCS 480-109341/4		480-109341		03/26/2013	22:10	1	TAL BUF	KS
A:7196A	LCS 480-109561/4		480-109561		03/27/2013	19:00	1	TAL BUF	NH
P:9012A	LCS 480-109489/2-A		480-109685	480-109489	03/27/2013	12:05	1	TAL BUF	EGN
A:9012A	LCS 480-109489/2-A		480-109685	480-109489	03/28/2013	08:27	1	TAL BUF	EGN
P:9012A	LCS 480-109577/2-A		480-109685	480-109577	03/27/2013	17:01	1	TAL BUF	JB
A:9012A	LCS 480-109577/2-A		480-109685	480-109577	03/28/2013	08:48	1	TAL BUF	EGN
P:9012A	LCS 480-109809/2-A		480-110026	480-109809	03/28/2013	14:11	1	TAL BUF	EGN
A:9012A	LCS 480-109809/2-A		480-110026	480-109809	03/29/2013	17:17	1	TAL BUF	EGN
P:9012A	LCS 480-109835/2-A		480-110026	480-109835	03/28/2013	22:30	1	TAL BUF	JB
A:9012A	LCS 480-109835/2-A		480-110026	480-109835	03/29/2013	17:59	1	TAL BUF	EGN
P:9012A	LCS 480-110020/4-A		480-110120	480-110020	03/29/2013	15:27	1	TAL BUF	EGN
A:9012A	LCS 480-110020/4-A		480-110120	480-110020	03/30/2013	11:42	1	TAL BUF	KS
P:9012A	LCS 480-110754/2-A		480-110948	480-110754	04/03/2013	17:30	1	TAL BUF	NH
A:9012A	LCS 480-110754/2-A		480-110948	480-110754	04/04/2013	11:47	1	TAL BUF	EGN
A:9056	LCS 480-109289/3		480-109289		03/26/2013	15:51	1	TAL BUF	KAC
A:9056	LCS 480-109300/51		480-109300		03/27/2013	02:37	1	TAL BUF	KC
A:9056	LCS 480-109661/75		480-109661		03/28/2013	21:56	1	TAL BUF	KC
A:9056	LCS 480-110009/3		480-110009		03/29/2013	19:05	1	TAL BUF	KC
A:9056	LCS 480-109999/27		480-109999		03/29/2013	21:47	1	TAL BUF	KC
A:9056	LCS 480-110015/51		480-110015		03/30/2013	01:50	1	TAL BUF	KC
A:SM 2120B	LCS 480-109141/4		480-109141		03/26/2013	02:33	1	TAL BUF	KS
A:SM 2120B	LCS 480-109301/4		480-109301		03/26/2013	16:05	1	TAL BUF	KS
A:SM 2120B	LCS 480-109520/4		480-109520		03/27/2013	16:04	1	TAL BUF	KS
A:SM 2120B	LCS 480-109725/4		480-109725		03/28/2013	11:36	1	TAL BUF	ML
A:SM 2320B	LCS 480-109312/7		480-109312		03/26/2013	13:59	1	TAL BUF	EGN
A:SM 2320B	LCS 480-109590/7		480-109590		03/27/2013	12:52	1	TAL BUF	LK
A:SM 2320B	LCS 480-109590/31		480-109590		03/27/2013	15:16	1	TAL BUF	LK
A:SM 2320B	LCS 480-110407/7		480-110407		04/02/2013	04:01	1	TAL BUF	EGN
A:SM 2320B	LCS 480-110563/7		480-110563		04/02/2013	22:48	1	TAL BUF	LK
A:SM 2320B	LCS 480-110761/7		480-110761		04/03/2013	13:46	1	TAL BUF	EGN
A:SM 2340C	LCS 480-109970/28		480-109970		03/29/2013	09:00	1	TAL BUF	LYW
A:SM 2340C	LCS 480-109970/52		480-109970		03/29/2013	09:00	1	TAL BUF	LYW

Quality Control Results

Client: Sealand Contractors Corp

Job Number: 480-34951-1
SDG: 34951

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:SM 2340C	LCS 480-110296/4		480-110296		04/01/2013 15:45	1	TAL BUF	LYW
A:SM 2340C	LCS 480-110487/4		480-110487		04/02/2013 13:00	1	TAL BUF	LYW
A:SM 2340C	LCS 480-110717/4		480-110717		04/03/2013 12:00	1	TAL BUF	LYW
A:SM 2540C	LCS 480-109124/2		480-109124		03/26/2013 00:37	1	TAL BUF	KS
A:SM 2540C	LCS 480-109555/2		480-109555		03/27/2013 19:22	1	TAL BUF	JB
A:SM 2540C	LCS 480-109797/2		480-109797		03/28/2013 18:38	1	TAL BUF	JB
A:SM 2540C	LCS 480-109827/2		480-109827		03/28/2013 23:04	1	TAL BUF	JB
A:SM 2540C	LCS 480-110032/2		480-110032		03/29/2013 21:33	1	TAL BUF	KS
A:SM 2540C	LCS 480-110330/2		480-110330		04/01/2013 22:34	1	TAL BUF	KS
A:SM 5210B	LCS 480-109132/2		480-109132		03/25/2013 21:35	1	TAL BUF	KS
A:SM 5210B	LCS 480-109325/2		480-109325		03/26/2013 18:23	1	TAL BUF	KS
A:SM 5210B	LCS 480-109557/2		480-109557		03/27/2013 19:20	1	TAL BUF	KS
A:SM 5210B	LCS 480-109748/2		480-109748		03/28/2013 09:28	1	TAL BUF	ML
A:SM 5310D	LCS 480-110095/4		480-110095		03/29/2013 18:32	1	TAL BUF	KC
A:SM 5310D	LCS 480-110454/4		480-110454		04/01/2013 19:25	1	TAL BUF	KC
A:SM 5310D	LCS 480-110454/28		480-110454		04/02/2013 03:18	1	TAL BUF	KC
A:SM 5310D	LCS 480-110596/4		480-110596		04/02/2013 16:05	1	TAL BUF	KC

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll LDF Site Investigation -Baseline

TestAmerica Job ID: 480-34951-1
 SDG: 34951

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAP	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP	1	2337
TestAmerica Buffalo	New Hampshire	NELAP	1	2973
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package Please contact your project manager for the laboratory's current list of certified methods and analytes.

Shipping and Receiving Documents

FIELD OBSERVATIONS

Facility: Town of Carroll LDF
 Field Personnel: RS, PL, TW, PN

Sample Point ID: PZ-3M
 Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-25-13 1 1115

Cond of seal: Good Cracked None Buried _____ %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: Unlocked Good
 Loose Flush Mount
 Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1

% LEL: 1

Vol. Organic Meter (Calibration/Reading): _____

Volatiles (ppm) 1

PURGE INFORMATION:

Date / Time Initiated: 3-25-13 / 1128

Date / Time Completed: 3-25-13 / 1150

Surf. Meas. Pt: Prot. Casing Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 15.38

Elevation. G/W MSL: _____

Well Total Depth, Feet: 45.41

Method of Well Purge: peristaltic pump

One (1) Riser Volume, Gal: _____

Dedicated: Y N

Total Volume Purged, Gal: _____

Purged To Dryness Y N

Purge Observations: Low-Flow

Start clear Finish clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other CORP	Other
1140	<u>15.46</u>	<u>140</u>	<u>7.3</u>	<u>7.64</u>	<u>278</u>	<u>3.52</u>	<u>171</u>	
1145	<u>15.46</u>		<u>7.2</u>	<u>7.53</u>	<u>237</u>	<u>3.60</u>	<u>171</u>	
1150	<u>15.46</u>		<u>7.3</u>	<u>7.49</u>	<u>238</u>	<u>3.56</u>	<u>177</u>	

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID P2-3M
 Date/Time 3-25-13 11:52 Water Level @ Sampling, Feet: 15.46
 Method of Sampling: peristaltic pump Dedicated: IN
 Multi-phased/ layered: () Yes No IF YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
11:52	7.3	7.49	238	356	177	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	100940		547142	912268	928384	823925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: Snow, 25°F
 Sample Characteristics: Clear
 COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 03/25/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF Sample Point ID: P2-1M
 Field Personnel: RS, PL, TW, PN Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-25-13 1101 Cond of seal: Good () Cracked _____ %
 () None () Buried
 Prot. Casing/riser height: _____ Cond of prot. Casing/riser: () Unlocked Good
 () Loose () Flush Mount
 () Damaged _____
 If prot.casing; depth to riser below: _____
 Gas Meter (Calibration/ Reading): % Gas: — 1 — % LEL: — 1 —
 Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): — 1 —

PURGE INFORMATION:

Date / Time Initiated: 3-25-13/1105 Date / Time Completed: 3-25-13/1135
 Surf. Meas. Pt: () Prot. Casing Riser Riser Diameter, Inches: 2.0
 Initial Water Level, Feet: 63.18 Elevation. GW MSL: _____
 Well Total Depth, Feet: 90.47 Method of Well Purge: Beater
 One (1) Riser Volume, Gal: 4.45 Dedicated: Y / N
 Total Volume Purged, Gal: 13.5 Purged To Dryness Y / N
 Purge Observations: _____ Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID PZ-1M
 Date/Time 3-25-13 1 1155 Water Level @ Sampling, Feet: 63.20
 Method of Sampling: Boiler Dedicated: IN
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other
1200	6.1	6.39	372	1.06	277	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1000 µmhos/cm	Check. Std 1410 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
C	7.00	4.00	—	7.03	1000	1399	10	10.05
Solution ID#	1137267	700940		547742	917268	928384	823925	922869

GENERAL INFORMATION:

Weather conditions @ time of sampling: 25°F, snow
 Sample Characteristics: Clear
 COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 3/25/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID PZ-6D
 Date/Time 3-25-13 1342 Water Level @ Sampling, Feet: 14.49
 Method of Sampling: peristaltic pump Dedicated: IN
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1342	7.5	7.92	281	2.92	247	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1.13 ^{1.13} µmhos/cm	Check. Std 1.13 ^{1.13} µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940		547742	917268	920384	823925	922869

GENERAL INFORMATION:

Weather conditions @ time of sampling: Snow, 25°f

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 03/25/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF
 Field Personnel: RS, PL, JW, PV

Sample Point ID: PZ-GM
 Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-25-13 1 1230

Cond of seal: Good () Cracked _____ %
 () None () Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: () Unlocked Good
 () Loose () Flush Mount
 () Damaged _____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — 1 —

% LEL: — 1 —

Vol. Organic Meter (Calibration/Reading):

Volatiles (ppm): — 1 —

PURGE INFORMATION:

Date / Time Initiated: 3-25-13 / 1232

Date / Time Completed: 3-25-13 / 1300

Surf. Meas. Pt: () Prot. Casing Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 15.08

Elevation. G/W MSL: _____

Well Total Depth, Feet: 33.01

Method of Well Purge: peristaltic pump

One (1) Riser Volume, Gal: _____

Dedicated: Y / N

Total Volume Purged, Gal: _____

Purged To Dryness Y / N

Purge Observations: Low-Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other
1246	<u>15.13</u> <small>ml/min</small>		7.7	7.65	279	12.9	210	
1250	15.13		7.9	7.48	279	11.9	97	
1255	15.17		7.9	7.46	277	10.9	101	
1300	15.18		8.0	7.48	279	10.82	111	

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID P2-6M
 Date/Time 3-25-13 1 1303 Water Level @ Sampling, Feet: 15.18
 Method of Sampling: peristaltic pump Dedicated: IN
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
13:03	8.0	7.48	279	10.82	111	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1.413 1000 µmhos/cm	Check. Std 1.413 1409 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 2000 NTU (± 10%)
A	700	400		7.01	1000	1409		
B							10	20
Solution ID#	1137267	700940		547142	a. 2268	921384	823925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: Snow, 25°f
 Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 032513 By: [Signature] Company: TAL

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID P2-90
 Date/Time 3-25-13 11455 Water Level @ Sampling, Feet: 410.98
 Method of Sampling: Bailer Dedicated: IN
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1455	6.7	7.01	212	0.97	243	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1000 µmhos/cm	Check. Std 1412.5 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940		5617142	912268	924384	832925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: W 3-25-13 Snow, 25°F
 Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 3/25/13 By: [Signature] Company: TAC

FIELD OBSERVATIONS

Facility: Town of Carroll LDF Sample Point ID: P2-9M
 Field Personnel: RS, PL, TW, PV Sample Matrix: GM

MONITORING WELL INSPECTION

Date/Time 3-25-13 1 1300 Cond of seal: Good () Cracked _____ %
 () None () Buried
 Prot. Casing/riser height: — Cond of prot. Casing/riser: () Unlocked Good
 () Loose () Flush Mount
 () Damaged _____
 If prot.casing; depth to riser below: _____
 Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —
 Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) — / —

PURGE INFORMATION

Date / Time Initiated: 3-25-13 / 1302 Date / Time Completed: 3-25-13 / 1337
 Surf. Meas. Pt: () Prot. Casing Riser Riser Diameter, Inches: 2.0
 Initial Water Level, Feet: 34.59 Elevation, G/W MSL: _____
 Well Total Depth, Feet: 73.97 Method of Well Purge: Boiler
 One (1) Riser Volume, Gal: 6.43 Dedicated: IN
 Total Volume Purged, Gal: 20 Purged To Dryness Y / N
 Purge Observations: _____ Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID PZ-9M

Date/Time 3-25-13 1 1405

Water Level @ Sampling, Feet: 34.55

Method of Sampling: Beaker Dedicated: IN

Multi-phased/ layered: () Yes No IF YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1405	7.2	7.00	192	0.71	223	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1000 ¹⁴¹⁰ µmhos/cm	Check. Std 1410 ¹⁴¹³ µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940	760940 ^{TW3-25B}	54742	912268	928384	823925	922889

GENERAL INFORMATION:

Weather conditions @ time of sampling: 24°F, Snow

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 3/25/13 By: [Signature] Company: TAC

FIELD OBSERVATIONS

Facility: Town of Carroll LDF
 Field Personnel: BS, PL, TW, PV

Sample Point ID: P2-20M
 Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-26-13 1 1214

Cond of seal: Good Cracked None Buried _____ %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: Unlocked Good
 Loose Flush Mount
 Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 3-26-13 / 1216

Date / Time Completed: 3-26-13 / 1238

Surf. Meas. Pt: Prot. Casing Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 4.94

Elevation, G/W MSL: _____

Well Total Depth, Feet: 34.5

Method of Well Purge: perisdratic pump

One (1) Riser Volume, Gal: _____

Dedicated: Y N

Total Volume Purged, Gal: _____

Purged To Dryness Y N

Purge Observations: Low-Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other
1226	WL 5.0 ML/MH 1.40		6.9	6.25	243	12.2	170	
1231	5.02		6.9	7.05	242	13.3	100	
1235	5.02		7.0	7.05	242	13.7	109	
1238	5.02		6.9	7.07	242	12.9	103	

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID P2-20M
 Date/Time 3-26-13 1 1238 Water Level @ Sampling, Feet: 5.02
 Method of Sampling: Peristaltic pump Dedicated: IN
 Multi-phased/ layered: () Yes () No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ONP)	Other ()
1238	6.9	7.07	242	12.9	103	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700440		547742	912268	928384	823925	922529

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloudy, ~ 37°R
 Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 03/26/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF Sample Point ID: P2-10M
 Field Personnel: RS, PL, TW, PN Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-26-13 1 1318 Cond of seal: Good () Cracked _____ %
 () None () Buried _____
 Prot. Casing/riser height: _____ Cond of prot. Casing/riser: () Unlocked Good
 () Loose () Flush Mount
 () Damaged _____
 If prot.casing; depth to riser below: _____
 Gas Meter (Calibration/ Reading): % Gas: 1 % LEL: 1
 Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) 1

PURGE INFORMATION:

Date / Time Initiated: 3-26-13 / 1320 Date / Time Completed: 3-26-13 / 1340
 Surf. Meas. Pt: () Prot. Casing Riser Riser Diameter, Inches: 2.0
 Initial Water Level, Feet: 22.40 ^{vw 3-26-13} ~~22.40~~ Elevation, G/W MSL: _____
 Well Total Depth, Feet: 34.28 Method of Well Purge: peristaltic pump
 One (1) Riser Volume, Gal: _____ Dedicated: Y () N
 Total Volume Purged, Gal: _____ Purged To Dryness Y () N
 Purge Observations: Low-Flow Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other
1330	<u>wL</u> 22.60	<u>140</u>	7.8	7.25	276	21.3	140	
1335	22.61		7.9	7.32	275	20.7	150	
1340	22.65		7.8	7.42	276	19.9	152	

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID PZ-10M
 Date/Time 3-26-13 1 1340 Water Level @ Sampling, Feet: 22.65
 Method of Sampling: peristaltic pump Dedicated: IN
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1340	7.8	7.42	276	19.9	252	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1131267	10940 700940		547742	912268	928384	823925	922069

GENERAL INFORMATION:

Weather conditions @ time of sampling: cloudy, 23.7°f
 Sample Characteristics: clear
 COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 03/26/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF

Sample Point ID: Drawn #1# 2

Field Personnel: RS, PL, TW, PV

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time _____ / _____

Cond of seal: () Good () Cracked _____ %
() None () Buried

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked () Good
() Loose () Flush Mount
() Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1 % LEL: 1

Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm): 1

PURGE INFORMATION:

Date / Time Initiated: _____

Date / Time Completed: _____

Surf. Meas. Pt: () Prot. Casing () Riser

Riser Diameter, Inches: _____

Initial Water Level, Feet: _____

Elevation. G/W MSL: _____

Well Total Depth, Feet: _____

Method of Well Purge: _____

One (1) Riser Volume, Gal: _____

Dedicated: Y / N

Total Volume Purged, Gal: _____

Purged To Dryness Y / N

Purge Observations: _____

Start _____ Finish _____

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID Drain tile 2
 Date/Time 3-26-13 1 1450 Water Level @ Sampling, Feet: _____
 Method of Sampling: manual grab Dedicated: Y N
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1450	8.6	6.58	568	0.62	210	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940		847742	912268	928384	823925	922819

GENERAL INFORMATION:

Weather conditions @ time of sampling: Tw 3-26-13
~~Snow~~ Clear, 39°F
 Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 3/26/13 By: Thomas Mills Company: TAL

FIELD OBSERVATIONS

Facility: TOWN OF CARROLL

Sample Point ID: PZ-17D

Field Personnel: RS/PL/TW/PN

Sample Matrix: G/W

MONITORING WELL INSPECTION:

Date/Time 3-27-13 1 1055

Cond of seal: Good () Cracked _____ %
 None () Buried

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: Unlocked () Good
 Loose () Flush Mount
 Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): % Gas: — 1 — % LEL: — 1 —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) — 1 —

PURGE INFORMATION:

Date / Time Initiated: 3-27-13 / 1057

Date / Time Completed: 3-26-13 / 1135

Surf. Meas. Pt: () Prot. Casing Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 34.72

Elevation. GW MSL: _____

Well Total Depth, Feet: 108.00

Method of Well Purge: BAILEY

One (1) Riser Volume, Gal: 11.9

Dedicated: Y N

Total Volume Purged, Gal: 35.8

Purged To Dryness Y N

Purge Observations: _____

Start CLEAR Finish CLEAR

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID P2-17D
 Date/Time 3-27-13 1 1140 Water Level @ Sampling, Feet: 34.75
 Method of Sampling: BAILER Dedicated: IN
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORA)	Other ()
1140	6.5	10.04	2.33	9.85	206	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
C								
Solution ID#								

GENERAL INFORMATION:

Weather conditions @ time of sampling: 32°F SNOW
 Sample Characteristics: CLEAR
 COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 3/27/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF

Sample Point ID: P2-13D

Field Personnel: RS, PL, TW, PV

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-26-13 1 1237

Cond of seal: Good () Cracked _____ %
 () None () Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: () Unlocked Good
 () Loose () Flush Mount
 () Damaged _____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 3-26-13 / 1311

Date / Time Completed: 3-26-13 / 1345

Surf. Meas. Pt: () Prot. Casing Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 72.53

Elevation, G/W MSL: _____

Well Total Depth, Feet: 133.28

Method of Well Purge: Bailer

One (1) Riser Volume, Gal: 9.91

Dedicated: Y / N

Total Volume Purged, Gal: 30

Purged To Dryness Y / N

Purge Observations: _____

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID P2-130
 Date/Time 3-27-13 1 1225 Water Level @ Sampling, Feet: 72.56
 Method of Sampling: Beaker Dedicated: IN
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other
1225	7.9	7.70	270	2.86	264	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 4.413 <u>4.410</u> µmhos/cm	Check Std 1.210 <u>1.210</u> µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940		54742	912268	928384	823925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: 31°f, snow
 Sample Characteristics: Clear
 COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 3/27/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF
 Field Personnel: RS, PL, TW, PN

Sample Point ID: PZ-13M
 Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-26-13 1 1236

Cond of seal: Good () Cracked _____ %
 () None () Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: () Unlocked Good
 () Loose () Flush Mount
 () Damaged —

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm) — / —

PURGE INFORMATION:

Date / Time Initiated: 3-26-13 / 1239

Date / Time Completed: 3-26-13 / 1310

Surf. Meas. Pt: () Prot. Casing Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 71.78

Elevation. G/W MSL: —

Well Total Depth, Feet: 110.77

Method of Well Purge: Bailer

One (1) Riser Volume, Gal: 6.38

Dedicated: Y N TW 3-26-13

Total Volume Purged, Gal: 19

Purged To Dryness Y N

Purge Observations: —

Start sl. turbid grey Finish sl. turbid grey

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID PZ-13M
 Date/Time 3-27-13 1210 Water Level @ Sampling, Feet: 71.74
 Method of Sampling: Boiler Dedicated: 3-27-13 rw
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1210	7.6	7.56	227	2.55	279	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std <u>1.15</u> µmhos/cm	Check. Std <u>1.15</u> µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	11 37267	700940		547742	912208	928384	823925	922869

GENERAL INFORMATION:

Weather conditions @ time of sampling: 32°f, Snow
 Sample Characteristics: Clear
 COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 3/27/13 By: [Signature] Company: TAC

FIELD OBSERVATIONS

Facility: Town of Carroll LDF

Sample Point ID: PZ-190

Field Personnel: RS, PL, PN, TW

Sample Matrix: GW

MONITORING WELL INSPECTION

Date/Time 3-26-13 1400

Cond of seal: Good () Cracked _____ %
 () None () Buried

Prot. Casing/riser height: —

Cond of prot. Casing/riser: Unlocked () Good
 () Loose () Flush Mount
 () Damaged _____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — / — % LEL: — / —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): — / —

PURGE INFORMATION

Date / Time Initiated: 3-26-13 / 1401

Date / Time Completed: 3-26-13 / 1433

Surf. Meas. Pt: () Prot. Casing Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 76.51

Elevation, GW MSL: _____

Well Total Depth, Feet: 133.35

Method of Well Purge: Bailer

One (1) Riser Volume, Gal: 9.29

Dedicated: Y / N

Total Volume Purged, Gal: 28

Purged To Dryness Y / N

Purge Observations: _____

Start clear Finish clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID P2-19D

Date/Time 3-27-13 1 1245

Water Level @ Sampling, Feet: 76.49

Method of Sampling: Baiter Dedicated: Y N

Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1245	6.1	7.34	270	3.87	217	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std ^{1.13} 1.00 µmhos/cm	Check. Std ^{1.13} 1.00 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940		547429	17268	928384	823925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: 32°f

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 3/27/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF

Sample Point ID: P2-16 Row 3-27-13

Field Personnel: RS, PL, PN, TW

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-27-13 1 1335

Cond of seal: (Good) (Cracked) _____ %
 (None) (Buried)

Prot. Casing/riser height: —

Cond of prot. Casing/riser: (Unlocked) (Good)
 (Loose) (Flush Mount)
 (Damaged) _____

If prot.casing; depth to riser below: —

Gas Meter (Calibration/ Reading): % Gas: — % LEL: —

Vol. Organic Meter (Calibration/Reading): Volatiles (ppm): —

PURGE INFORMATION:

Date / Time Initiated: 3-27-13 / 1340

Date / Time Completed: 3-27-13 / 1357

Surf. Meas. Pt: (Prot. Casing) (Riser)

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 34.29

Elevation. GW MSL: _____

Well Total Depth, Feet: 55.40

Method of Well Purge: Bailer

One (1) Riser Volume, Gal: 3.44

Dedicated: Y N

Total Volume Purged, Gal: 10.5

Purged To Dryness Y N

Purge Observations: _____

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other	Other

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID P2-16D

Date/Time 3-27-13 1 1420

Water Level @ Sampling, Feet: 34.42

Method of Sampling: Bailer Dedicated: IN

Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
14:20	7.9	7.67	209	4.80	224	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940		547742	912268	928384	823925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: 34° F

Sample Characteristics: Clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 03/27/13 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF

Sample Point ID: PZ-18M

Field Personnel: RS, PL, TW, PV

Sample Matrix: GW

MONITORING WELL INSPECTION:

Date/Time 3-27-13 1345

Cond of seal: Good () Cracked () None () Buried _____ %

Prot. Casing/riser height: _____

Cond of prot. Casing/riser: () Unlocked Good () Loose () Flush Mount () Damaged _____

If prot.casing; depth to riser below: _____

Gas Meter (Calibration/ Reading): _____ % Gas: 1

% LEL: 1

Vol. Organic Meter (Calibration/Reading): _____

Volatiles (ppm) 1

PURGE INFORMATION:

Date / Time Initiated: 3-27-13 / 1350

Date / Time Completed: 3-27-13 / 1415

Surf. Meas. Pt: () Prot. Casing Riser

Riser Diameter, Inches: 2.0

Initial Water Level, Feet: 16.71

Elevation, G/W MSL: _____

Well Total Depth, Feet: 50.00

Method of Well Purge: peristaltic pump

One (1) Riser Volume, Gal: _____

Dedicated: Y () N

Total Volume Purged, Gal: _____

Purged To Dryness Y () N

Purge Observations: Low-Flow

Start Clear Finish Clear

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other
1405	<u>16.96</u> <small>gal</small> / <u>1.40</u> <small>min</small>		7.7	7.48	308	4.26	264	
1410	<u>16.96</u>		7.2	7.62	307	4.96	256	
1415	<u>16.96</u>		7.4	7.59	309	4.94	252	

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID PZ-18M
 Date/Time 3-27-13 1 1418 Water Level @ Sampling, Feet: 16.96
 Method of Sampling: peristaltic pump Dedicated: IN
 Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1418	7.4	7.59	309	4.94	252	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940		547742	912268	928384	823925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: 33° F
 Sample Characteristics: Clear
 COMMENTS AND OBSERVATIONS: Ⓟ Pup Jensen

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 03127113 By: [Signature] Company: TAL

FIELD OBSERVATIONS

Facility: Town of Carroll LDF Sample Point ID: P2-14M
 Field Personnel: RS, PL, TW, PN Sample Matrix: G-W

MONITORING WELL INSPECTION:

Date/Time 3-27-13 1130 Cond of seal: Good Cracked _____ %
 None Buried
 Prot. Casing/riser height: _____ Cond of prot. Casing/riser: Unlocked Good
 Loose Flush Mount
 Damaged _____
 If prot. casing; depth to riser below: _____
 Gas Meter (Calibration/ Reading): _____ % Gas: 1 % LEL: 1
 Vol. Organic Meter (Calibration/Reading): _____ Volatiles (ppm): 1

PURGE INFORMATION:

Date / Time Initiated: 3-27-13/1136 Date / Time Completed: 3-27-13/1218
 Surf. Meas. Pt: Prot. Casing Riser Riser Diameter, Inches: 2.0
 Initial Water Level, Feet: 25.93 Elevation. GW MSL: _____
 Well Total Depth, Feet: 33.50 Method of Well Purge: peristaltic pump
 One (1) Riser Volume, Gal: _____ Dedicated: Y N
 Total Volume Purged, Gal: _____ Purged To Dryness Y N
 Purge Observations: LOW-FLOW Start sl turbid Finish sl turbid

PURGE DATA: (if applicable)

Time	Purge Rate (gpm/htz)	Cumulative Volume	Temp. (C)	pH (SU)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other
1150	<u>25.96</u> <small>ml/min</small>	<u>140</u>	<u>7.5</u>	<u>7.81</u>	<u>288</u>	<u>70.4</u>	<u>267</u>	
1200	<u>25.96</u>		<u>6.8</u>	<u>7.84</u>	<u>418</u>	<u>42.8</u>	<u>281</u>	
1207	<u>25.96</u>		<u>6.8</u>	<u>7.87</u>	<u>431</u>	<u>37.6</u>	<u>270</u>	
1212	<u>25.96</u>		<u>6.7</u>	<u>7.85</u>	<u>427</u>	<u>31.1</u>	<u>274</u>	
1218	<u>25.96</u>		<u>6.9</u>	<u>7.90</u>	<u>426</u>	<u>30.4</u>	<u>276</u>	

FIELD OBSERVATIONS

SAMPLING INFORMATION:

POINT ID PZ-14M

Date/Time 3-27-13 1 1220

Water Level @ Sampling, Feet: 25.96

Method of Sampling: _____ Dedicated: IN

Multi-phased/ layered: () Yes No If YES: () light () heavy

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conductivity (µmhos/cm)	Turb. (NTU)	Other (ORP)	Other ()
1220	6.9	7.90	426	30.4	276	

INSTRUMENT CALIBRATION/CHECK DATA:

Meter ID#	Cal Std 7.0 SU	Cal Std 4.0 SU	Cal Std 10.0 SU	Check Std 7.0 SU (± 10%)	Cal. Std 1,413 µmhos/cm	Check. Std 1,413 µmhos/cm (± 10%)	Cal. Std 10 NTU	Check Std 10 NTU (± 10%)
Solution ID#	1137267	700940		34742	912268	928384	823925	922569

GENERAL INFORMATION:

Weather conditions @ time of sampling: 33°f

Sample Characteristics: clear

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocols.

Date: 03 1271 13 By: [Signature] Company: TAL

Client Information Client Contact: Dr. Bethany Acquisto	Sampler: <i>RS/OL/TW/PS</i>	Lab PM: VanDette, Ryan	Carrier Tracking No(s)	COC No: 480-34288-8748.1
	Phone: <i>807-8732</i>	E-Mail: ryan.vandette@testamericainc.com		Page: Page 1 of 3

Company: Daigler Engineering, PC	Due Date Requested:	Analysis Requested			Job #:
-------------------------------------	---------------------	---------------------------	--	--	--------

Address: 1711 Grand Island Blvd	TAT Requested (days):	Field Filtered: Sample (Yes or No) 9056_28D - (MOD) Local Method 350.1, 351.2, 410.4 6010B, 7470A 2340C - Hardness as calcium carbonate 420.4 - Phenolics, Total Recoverable 8260B - NY Part 360 Baseline Volatiles SM6310D - Total Organic Carbon 5210B - Biochemical Oxygen Demand 2540C_Calcd - Total Dissolved Solids 9012A - Cyanide, Total 2120B, 353.2, 353.2_Nitrite, Nitrate_Calc 7196A - Hexavalent chromium T. ALK.	Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - ph 4-5 L - EDA Z - other (specify)		
City: Grand Island	PO #: Purchase Order Requested			Total Number of containers:	Other:
State, Zip: NY, 14072	WO #:				
Phone:	Project #: 48004897				
Email: bethany@jadenvgr.com	SSOW#:				
Project Name: Carroll Landfill Site Investigation/ Event Desc: Carroll Landfill Bas	Site: New York	Special Instructions/Note:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wast/woil, BT=issue, A=Air)	Field Filtered: Sample (Yes or No)	N	S	D	D	S	A	A	N	N	N	B	N	N	Total Number of containers	Special Instructions/Note
PZ-20M	3-26-13	1238	G	Water	X	1	1	1	1	1	3	2	1	1	1	1	2	1	17	
PZ-10M	↓	1340	↓	Water		1	1	1	1	1	3	2	1	1	1	1	2	1	17	
Drain tile 2	↓	1450	↓	Water		2	1	1	1	1	3	2	1	1	1	1	2	1	17	MS/MSD Taken
TRIP-BLANK	↓	0830	↓	Water							2								2	
MS	↓	1450	↓	Water		1	1	1	1	1	3	2	1	1	1	1	2	1	17	
MSD	↓	1450	↓	Water		1	1	1	1	1	3	2	1	1	1	1	2	1	17	
				Water																
				Water																
				Water																
				Water																

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months
--	---

Deliverable Requested: I, II, III, IV, Other (specify) _____

Special Instructions/QC Requirements: _____

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: <i>[Signature]</i>	Date/Time: <i>3-26-13/1730</i>	Company:	Received by: <i>[Signature]</i>
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: <i>2.9, 1.9 #2</i>
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Login Sample Receipt Checklist

Client: Sealand Contractors Corp

Job Number: 480-34951-1

SDG Number: 34951

Login Number: 34951

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

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	TAL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Sealand Contractors Corp

Job Number: 480-34951-1

SDG Number: 34951

Login Number: 34997

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

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	TAL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Sealand Contractors Corp

Job Number: 480-34951-1

SDG Number: 34951

Login Number: 35108

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

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	TAL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

APPENDIX D
Leachate Analytical Data Report

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: 480-9210-1

TestAmerica Sample Delivery Group: 9210

Client Project/Site: Carroll Landfill Expansion Application

Sampling Event: Baseline - Water

Expanded - Water


For:

Sealand Contractors Corp

85 High Tech Drive

Rush, New York 14543

Attn: Deborah Kraft



Authorized for release by:

10/06/2011 10:20:21 AM

Ryan VanDette

Project Manager I

ryan.vandette@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

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

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Definitions/Glossary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F	MS or MSD exceeds the 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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

Job ID: 480-9210-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-9210-1

Comments

No additional comments.

Receipt

The following samples were received at the laboratory outside the required temperature criteria: TP-5 (480-9266-1). The samples are considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain-of-Custody (COC).

Several volatile sample were received with headspace.

All other samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The continuing calibration verification (CCV) for 1,1,1-Trichloroethane associated with batch 30137 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8260B: The following sample submitted for volatiles analysis was received with insufficient preservation (pH >2): TP-7 (480-9323-1).

Method(s) 8260B: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: TP-7 (480-9323-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

IC

Method(s) 300.0: In batch 30426 the following samples were diluted due to the abundance of non-target analytes: TP-5 (480-9266-1). Elevated reporting limits (RLs) are provided.

Method(s) 300.0: In batch 30605 the following sample was diluted due to color, odor, appearance, viscosity, etc.>>: TP-7 (480-9323-1). Elevated reporting limits (RL) are provided.

No other analytical or quality issues were noted.

Metals

Method(s) 6010B: The Method Blank for batch 480-29858 contained total manganese above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of sample Leachate Seep (480-9210-1) was not performed.

Method(s) 6010B: The Method Blank for batch 480-30009 contained total manganese above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of sample TP-5 (480-9266-1) was not performed.

Method(s) 6010B: The Method Blank for batch 480-30181 contained total aluminum, boron, calcium, iron, and manganese above the method detection limit. These target analyte concentrations were less than the reporting limits (RLs); therefore, re-extraction and/or re-analysis of sample TP-7 (480-9323-1) was not performed.

Method(s) 245.1, 7470A: The following sample was diluted due to the abundance of target analyte mercury: TP-7 (480-9323-1). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

Job ID: 480-9210-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

No other analytical or quality issues were noted.

General Chemistry

Method(s) 350.1: The method blank for batch 30088 contained Ammonia above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. TP-5 (480-9266-1)

Method(s) 351.2: The method blank for batch 30629 contained nitrogen above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. TP-5 (480-9266-1), TP-7 (480-9323-1)

Method 410.4: The method blank for preparation batch 30222 contained COD above the reporting limit (RL). The associated sample(s) contained detects for this analyte at concentrations greater than 10X the value found in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) SM 5210B: For batch 30058 the dilution water D.O. depletion was greater than 0.2 mg/L but less than the reporting limit of 2.0 mg/L.

Method(s) 7196A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 29902 were outside control limits: (480-9266-1 MS). Matrix interference is suspected.

Method(s) 9038: The matrix spike (MS) recoveries for batch 30556 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (480-9210-1 MS)

Method(s) 9038: The method blank for batch 30556 contained sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. Leachate Seep (480-9210-1)

Method(s) 9038: The method blank for batch 30752 contained sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed. 96-112-2 (480-9243-12), 96-113-1 (480-9243-13), TP-5 (480-9266-1), TP-7 (480-9323-1)

No other analytical or quality issues were noted.

Detection Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: Leachate Seep

Lab Sample ID: 480-9210-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	4.0		1.0	0.88	ug/L	1		8260B	Total/NA
Barium	0.099		0.0020	0.00050	mg/L	1		6010B	Total/NA
Boron	0.23		0.020	0.0040	mg/L	1		6010B	Total/NA
Calcium	104		0.50	0.10	mg/L	1		6010B	Total/NA
Chromium	0.0020	J	0.0040	0.00087	mg/L	1		6010B	Total/NA
Copper	0.0015	J	0.010	0.0015	mg/L	1		6010B	Total/NA
Iron	0.31		0.050	0.019	mg/L	1		6010B	Total/NA
Magnesium	21.2		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	0.60	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Nickel	0.0016	J	0.010	0.0013	mg/L	1		6010B	Total/NA
Potassium	2.2		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	6.5		1.0	0.32	mg/L	1		6010B	Total/NA
Zinc	0.0059	J	0.010	0.0017	mg/L	1		6010B	Total/NA
Alkalinity, Total	287		100	40.0	mg/L	10		310.2	Total/NA
Alkalinity, Bicarbonate	287		100	40.0	mg/L	10		310.2	Total/NA
Ammonia	0.041		0.020	0.0090	mg/L	1		350.1	Total/NA
Ammonia as NH3	0.049		0.024	0.011	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	0.32		0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate as N	0.41		0.050	0.011	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	15.7		10.0	5.0	mg/L	1		410.4	Total/NA
Sulfate	55.9	B	25.0	7.5	mg/L	5		9038	Total/NA
Total Organic Carbon	2.2		1.0	0.43	mg/L	1		9060	Total/NA
Chloride	5.7		1.0	0.34	mg/L	1		9251	Total/NA
Hardness as calcium carbonate	370		10.0	2.6	mg/L	1		SM 2340C	Total/NA

Client Sample ID: TP-5

Lab Sample ID: 480-9266-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	10	3.0	ug/L	1		8260B	Total/NA
Trichlorofluoromethane	7.2		1.0	0.88	ug/L	1		8260B	Total/NA
Vinyl chloride	5.4		1.0	0.90	ug/L	1		8260B	Total/NA
Aluminum	18.1		0.20	0.060	mg/L	1		6010B	Total/NA
Arsenic	0.036		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	1.2		0.0020	0.00050	mg/L	1		6010B	Total/NA
Beryllium	0.00083	J	0.0020	0.00030	mg/L	1		6010B	Total/NA
Boron	2.1		0.020	0.0040	mg/L	1		6010B	Total/NA
Cadmium	0.0023		0.0010	0.00033	mg/L	1		6010B	Total/NA
Calcium	418		0.50	0.10	mg/L	1		6010B	Total/NA
Chromium	0.038		0.0040	0.00087	mg/L	1		6010B	Total/NA
Cobalt	0.012		0.0040	0.00063	mg/L	1		6010B	Total/NA
Copper	0.059		0.010	0.0015	mg/L	1		6010B	Total/NA
Iron	35.1		0.050	0.019	mg/L	1		6010B	Total/NA
Lead	0.64		0.0050	0.0030	mg/L	1		6010B	Total/NA
Magnesium	92.7		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	4.7	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Nickel	0.046		0.010	0.0013	mg/L	1		6010B	Total/NA
Potassium	15.4		0.50	0.20	mg/L	1		6010B	Total/NA
Sodium	35.5		1.0	0.32	mg/L	1		6010B	Total/NA
Vanadium	0.038		0.0050	0.0011	mg/L	1		6010B	Total/NA
Zinc	0.72		0.010	0.0017	mg/L	1		6010B	Total/NA
Mercury	0.00030		0.00020	0.00012	mg/L	1		7470A	Total/NA
Alkalinity, Total	1490		250	100	mg/L	25		310.2	Total/NA
Alkalinity, Bicarbonate	1490		250	100	mg/L	25		310.2	Total/NA
Ammonia	0.28	B	0.020	0.0090	mg/L	1		350.1	Total/NA

Detection Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: TP-5 (Continued)

Lab Sample ID: 480-9266-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ammonia as NH3	0.34	B	0.024	0.011	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	1.5	B	0.20	0.15	mg/L	1		351.2	Total/NA
Chemical Oxygen Demand	130		10.0	5.0	mg/L	1		410.4	Total/NA
Sulfate	3.0	J B	5.0	1.5	mg/L	1		9038	Total/NA
Total Organic Carbon	57.1		40.0	17.4	mg/L	40		9060	Total/NA
Phenolics, Total Recoverable	0.012		0.010	0.0050	mg/L	1		9066	Total/NA
Chloride	19.2		1.0	0.34	mg/L	1		9251	Total/NA
Hardness as calcium carbonate	1650		50.0	13.1	mg/L	1		SM 2340C	Total/NA
Biochemical Oxygen Demand	4.1		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Carbonaceous Biochemical Oxygen Demand	3.2		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Color	100		20.0	20.0	Color Units	4		SM 2120B	Total/NA

Client Sample ID: TP-7

Lab Sample ID: 480-9323-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18	J	50	15	ug/L	5		8260B	Total/NA
Aluminum	104	B	0.20	0.060	mg/L	1		6010B	Total/NA
Arsenic	0.16		0.010	0.0056	mg/L	1		6010B	Total/NA
Barium	3.5		0.0020	0.00050	mg/L	1		6010B	Total/NA
Beryllium	0.0049		0.0020	0.00030	mg/L	1		6010B	Total/NA
Boron	2.1	B	0.020	0.0040	mg/L	1		6010B	Total/NA
Cadmium	0.023		0.0010	0.00033	mg/L	1		6010B	Total/NA
Calcium	562	B	0.50	0.10	mg/L	1		6010B	Total/NA
Chromium	0.19		0.0040	0.00087	mg/L	1		6010B	Total/NA
Cobalt	0.081		0.0040	0.00063	mg/L	1		6010B	Total/NA
Copper	0.53		0.010	0.0015	mg/L	1		6010B	Total/NA
Iron	207	B	0.050	0.019	mg/L	1		6010B	Total/NA
Lead	9.4		0.0050	0.0030	mg/L	1		6010B	Total/NA
Magnesium	104		0.20	0.043	mg/L	1		6010B	Total/NA
Manganese	9.9	B	0.0030	0.00030	mg/L	1		6010B	Total/NA
Nickel	0.18		0.010	0.0013	mg/L	1		6010B	Total/NA
Potassium	22.8		0.50	0.20	mg/L	1		6010B	Total/NA
Silver	0.0018	J	0.0030	0.0017	mg/L	1		6010B	Total/NA
Sodium	18.3		1.0	0.32	mg/L	1		6010B	Total/NA
Vanadium	0.19		0.0050	0.0011	mg/L	1		6010B	Total/NA
Zinc	7.4		0.010	0.0017	mg/L	1		6010B	Total/NA
Mercury	0.048		0.0010	0.00060	mg/L	5		7470A	Total/NA
Chloride	9.8		5.0	2.8	mg/L	10		300.0	Total/NA
Sulfate	248		20.0	3.5	mg/L	10		300.0	Total/NA
Alkalinity, Total	1460		500	200	mg/L	50		310.2	Total/NA
Alkalinity, Bicarbonate	1460		500	200	mg/L	50		310.2	Total/NA
Ammonia	1.2		0.020	0.0090	mg/L	1		350.1	Total/NA
Ammonia as NH3	1.5		0.024	0.011	mg/L	1		350.1	Total/NA
Total Kjeldahl Nitrogen	1.7	B	0.20	0.15	mg/L	1		351.2	Total/NA
Nitrate as N	0.057		0.050	0.011	mg/L	1		353.2	Total/NA
Chemical Oxygen Demand	199	B	10.0	5.0	mg/L	1		410.4	Total/NA
Cyanide, Total	0.040		0.010	0.0050	mg/L	1		9012A	Total/NA
Sulfate	371	B	50.0	15.0	mg/L	10		9038	Total/NA
Total Organic Carbon	32.1		10.0	4.3	mg/L	10		9060	Total/NA
Phenolics, Total Recoverable	0.022		0.010	0.0050	mg/L	1		9066	Total/NA
Chloride	11.9		1.0	0.34	mg/L	1		9251	Total/NA
Hardness as calcium carbonate	2140		20.0	5.3	mg/L	1		SM 2340C	Total/NA

Detection Summary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

Client Sample ID: TP-7 (Continued)

Lab Sample ID: 480-9323-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Biochemical Oxygen Demand	5.6		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Carbonaceous Biochemical Oxygen Demand	5.3		2.0	2.0	mg/L	1		SM 5210B	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Color	80.0		20.0	20.0	Color Units	4		SM 2120B	Total/NA

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Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: Leachate Seep

Lab Sample ID: 480-9210-1

Date Collected: 08/31/11 15:00

Matrix: Water

Date Received: 09/01/11 17:55

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/08/11 15:39	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/08/11 15:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/08/11 15:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/08/11 15:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/08/11 15:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/08/11 15:39	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/08/11 15:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/08/11 15:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/08/11 15:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/08/11 15:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/08/11 15:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/08/11 15:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/08/11 15:39	1
2-Hexanone	ND		5.0	1.2	ug/L			09/08/11 15:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/08/11 15:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/08/11 15:39	1
Acetone	ND		10	3.0	ug/L			09/08/11 15:39	1
Acrylonitrile	ND		5.0	0.83	ug/L			09/08/11 15:39	1
Benzene	ND		1.0	0.41	ug/L			09/08/11 15:39	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/08/11 15:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/08/11 15:39	1
Bromoform	ND		1.0	0.26	ug/L			09/08/11 15:39	1
Bromomethane	ND		1.0	0.69	ug/L			09/08/11 15:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/08/11 15:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/08/11 15:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/08/11 15:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/08/11 15:39	1
Chloroethane	ND		1.0	0.32	ug/L			09/08/11 15:39	1
Chloroform	ND		1.0	0.34	ug/L			09/08/11 15:39	1
Chloromethane	ND		1.0	0.35	ug/L			09/08/11 15:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/08/11 15:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/08/11 15:39	1
Dibromomethane	ND		1.0	0.41	ug/L			09/08/11 15:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/08/11 15:39	1
Iodomethane	ND		1.0	0.30	ug/L			09/08/11 15:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/08/11 15:39	1
Styrene	ND		1.0	0.73	ug/L			09/08/11 15:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/08/11 15:39	1
Toluene	ND		1.0	0.51	ug/L			09/08/11 15:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/08/11 15:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/08/11 15:39	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			09/08/11 15:39	1
Trichloroethene	ND		1.0	0.46	ug/L			09/08/11 15:39	1
Trichlorofluoromethane	4.0		1.0	0.88	ug/L			09/08/11 15:39	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/08/11 15:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/08/11 15:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/08/11 15:39	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/08/11 15:39	1
o-Xylene	ND		1.0	0.76	ug/L			09/08/11 15:39	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: Leachate Seep

Lab Sample ID: 480-9210-1

Date Collected: 08/31/11 15:00

Matrix: Water

Date Received: 09/01/11 17:55

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	137		66 - 137		09/08/11 15:39	1
Toluene-d8 (Surr)	107		71 - 126		09/08/11 15:39	1
4-Bromofluorobenzene (Surr)	111		73 - 120		09/08/11 15:39	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		0.20	0.060	mg/L		09/02/11 08:30	09/02/11 16:11	1
Antimony	ND		0.020	0.0068	mg/L		09/02/11 08:30	09/02/11 16:11	1
Arsenic	ND		0.010	0.0056	mg/L		09/02/11 08:30	09/02/11 16:11	1
Barium	0.099		0.0020	0.00050	mg/L		09/02/11 08:30	09/02/11 16:11	1
Beryllium	ND		0.0020	0.00030	mg/L		09/02/11 08:30	09/02/11 16:11	1
Boron	0.23		0.020	0.0040	mg/L		09/02/11 08:30	09/02/11 16:11	1
Cadmium	ND		0.0010	0.00033	mg/L		09/02/11 08:30	09/02/11 16:11	1
Calcium	104		0.50	0.10	mg/L		09/02/11 08:30	09/02/11 16:11	1
Chromium	0.0020	J	0.0040	0.00087	mg/L		09/02/11 08:30	09/02/11 16:11	1
Cobalt	ND		0.0040	0.00063	mg/L		09/02/11 08:30	09/02/11 16:11	1
Copper	0.0015	J	0.010	0.0015	mg/L		09/02/11 08:30	09/02/11 16:11	1
Iron	0.31		0.050	0.019	mg/L		09/02/11 08:30	09/02/11 16:11	1
Lead	ND		0.0050	0.0030	mg/L		09/02/11 08:30	09/02/11 16:11	1
Magnesium	21.2		0.20	0.043	mg/L		09/02/11 08:30	09/02/11 16:11	1
Manganese	0.60	B	0.0030	0.00030	mg/L		09/02/11 08:30	09/02/11 16:11	1
Nickel	0.0016	J	0.010	0.0013	mg/L		09/02/11 08:30	09/02/11 16:11	1
Potassium	2.2		0.50	0.20	mg/L		09/02/11 08:30	09/02/11 16:11	1
Selenium	ND		0.015	0.0087	mg/L		09/02/11 08:30	09/02/11 16:11	1
Silver	ND		0.0030	0.0017	mg/L		09/02/11 08:30	09/02/11 16:11	1
Sodium	6.5		1.0	0.32	mg/L		09/02/11 08:30	09/02/11 16:11	1
Thallium	ND		0.020	0.010	mg/L		09/02/11 08:30	09/02/11 16:11	1
Vanadium	ND		0.0050	0.0011	mg/L		09/02/11 08:30	09/02/11 16:11	1
Zinc	0.0059	J	0.010	0.0017	mg/L		09/02/11 08:30	09/02/11 16:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/02/11 11:30	09/02/11 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20	0.073	mg/L			09/01/11 23:29	1
Fluoride	ND		0.050	0.0060	mg/L			09/06/11 18:03	1
Alkalinity, Total	287		100	40.0	mg/L			09/07/11 12:46	10
Alkalinity, Bicarbonate	287		100	40.0	mg/L			09/07/11 12:46	10
Alkalinity, Carbonate	ND		100	40.0	mg/L			09/07/11 12:46	10
Hydroxide Alkalinity	ND		100	40.0	mg/L			09/07/11 12:46	10
Ammonia	0.041		0.020	0.0090	mg/L			09/03/11 13:49	1
Ammonia as NH3	0.049		0.024	0.011	mg/L			09/03/11 13:49	1
Total Kjeldahl Nitrogen	0.32		0.20	0.15	mg/L		09/07/11 10:35	09/08/11 11:10	1
Nitrate as N	0.41		0.050	0.011	mg/L			09/01/11 19:12	1
Chemical Oxygen Demand	15.7		10.0	5.0	mg/L			09/06/11 16:32	1
Hexavalent chromium	ND		0.010	0.0050	mg/L			09/01/11 14:55	1
Cyanide, Total	ND		0.010	0.0050	mg/L		09/10/11 15:45	09/13/11 09:54	1
Sulfate	55.9	B	25.0	7.5	mg/L			09/08/11 14:30	5
Total Organic Carbon	2.2		1.0	0.43	mg/L			09/02/11 04:51	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: Leachate Seep

Lab Sample ID: 480-9210-1

Date Collected: 08/31/11 15:00

Matrix: Water

Date Received: 09/01/11 17:55

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		09/01/11 23:57	09/02/11 10:08	1
Chloride	5.7		1.0	0.34	mg/L			09/02/11 10:07	1
Hardness as calcium carbonate	370		10.0	2.6	mg/L			09/08/11 10:28	1
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			09/01/11 16:58	1
Carbonaceous Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			09/01/11 16:58	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00	5.00	Color Units			09/01/11 17:54	1

Client Sample ID: TP-5

Lab Sample ID: 480-9266-1

Date Collected: 09/01/11 12:30

Matrix: Water

Date Received: 09/01/11 18:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/07/11 20:07	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/07/11 20:07	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/07/11 20:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/07/11 20:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/07/11 20:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/07/11 20:07	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/07/11 20:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/07/11 20:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/07/11 20:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/07/11 20:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/07/11 20:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/07/11 20:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/07/11 20:07	1
2-Hexanone	ND		5.0	1.2	ug/L			09/07/11 20:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/07/11 20:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/07/11 20:07	1
Acetone	4.0	J	10	3.0	ug/L			09/07/11 20:07	1
Acrylonitrile	ND		5.0	0.83	ug/L			09/07/11 20:07	1
Benzene	ND		1.0	0.41	ug/L			09/07/11 20:07	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/07/11 20:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/07/11 20:07	1
Bromoform	ND		1.0	0.26	ug/L			09/07/11 20:07	1
Bromomethane	ND		1.0	0.69	ug/L			09/07/11 20:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/07/11 20:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/07/11 20:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/07/11 20:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/07/11 20:07	1
Chloroethane	ND		1.0	0.32	ug/L			09/07/11 20:07	1
Chloroform	ND		1.0	0.34	ug/L			09/07/11 20:07	1
Chloromethane	ND		1.0	0.35	ug/L			09/07/11 20:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/07/11 20:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/07/11 20:07	1
Dibromomethane	ND		1.0	0.41	ug/L			09/07/11 20:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/07/11 20:07	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: TP-5

Lab Sample ID: 480-9266-1

Date Collected: 09/01/11 12:30

Matrix: Water

Date Received: 09/01/11 18:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		1.0	0.30	ug/L			09/07/11 20:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/07/11 20:07	1
Styrene	ND		1.0	0.73	ug/L			09/07/11 20:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/07/11 20:07	1
Toluene	ND		1.0	0.51	ug/L			09/07/11 20:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/07/11 20:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/07/11 20:07	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			09/07/11 20:07	1
Trichloroethene	ND		1.0	0.46	ug/L			09/07/11 20:07	1
Trichlorofluoromethane	7.2		1.0	0.88	ug/L			09/07/11 20:07	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/07/11 20:07	1
Vinyl chloride	5.4		1.0	0.90	ug/L			09/07/11 20:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/07/11 20:07	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/07/11 20:07	1
o-Xylene	ND		1.0	0.76	ug/L			09/07/11 20:07	1
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		66 - 137					09/07/11 20:07	1
Toluene-d8 (Surr)	99		71 - 126					09/07/11 20:07	1
4-Bromofluorobenzene (Surr)	93		73 - 120					09/07/11 20:07	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18.1		0.20	0.060	mg/L		09/06/11 09:20	09/07/11 11:24	1
Antimony	ND		0.020	0.0068	mg/L		09/06/11 09:20	09/07/11 11:24	1
Arsenic	0.036		0.010	0.0056	mg/L		09/06/11 09:20	09/07/11 11:24	1
Barium	1.2		0.0020	0.00050	mg/L		09/06/11 09:20	09/07/11 11:24	1
Beryllium	0.00083	J	0.0020	0.00030	mg/L		09/06/11 09:20	09/07/11 11:24	1
Boron	2.1		0.020	0.0040	mg/L		09/06/11 09:20	09/07/11 11:24	1
Cadmium	0.0023		0.0010	0.00033	mg/L		09/06/11 09:20	09/07/11 11:24	1
Calcium	418		0.50	0.10	mg/L		09/06/11 09:20	09/07/11 11:24	1
Chromium	0.038		0.0040	0.00087	mg/L		09/06/11 09:20	09/07/11 11:24	1
Cobalt	0.012		0.0040	0.00063	mg/L		09/06/11 09:20	09/07/11 11:24	1
Copper	0.059		0.010	0.0015	mg/L		09/06/11 09:20	09/07/11 11:24	1
Iron	35.1		0.050	0.019	mg/L		09/06/11 09:20	09/07/11 11:24	1
Lead	0.64		0.0050	0.0030	mg/L		09/06/11 09:20	09/07/11 11:24	1
Magnesium	92.7		0.20	0.043	mg/L		09/06/11 09:20	09/07/11 11:24	1
Manganese	4.7	B	0.0030	0.00030	mg/L		09/06/11 09:20	09/07/11 11:24	1
Nickel	0.046		0.010	0.0013	mg/L		09/06/11 09:20	09/07/11 11:24	1
Potassium	15.4		0.50	0.20	mg/L		09/06/11 09:20	09/07/11 11:24	1
Selenium	ND		0.015	0.0087	mg/L		09/06/11 09:20	09/07/11 11:24	1
Silver	ND		0.0030	0.0017	mg/L		09/06/11 09:20	09/07/11 11:24	1
Sodium	35.5		1.0	0.32	mg/L		09/06/11 09:20	09/07/11 11:24	1
Thallium	ND		0.020	0.010	mg/L		09/06/11 09:20	09/07/11 11:24	1
Vanadium	0.038		0.0050	0.0011	mg/L		09/06/11 09:20	09/07/11 11:24	1
Zinc	0.72		0.010	0.0017	mg/L		09/06/11 09:20	09/07/11 11:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00030		0.00020	0.00012	mg/L		09/02/11 11:30	09/02/11 15:42	1

Client Sample Results

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

Client Sample ID: TP-5

Lab Sample ID: 480-9266-1

Date Collected: 09/01/11 12:30

Matrix: Water

Date Received: 09/01/11 18:50

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		1.0	0.37	mg/L			09/08/11 23:19	5
Alkalinity, Total	1490		250	100	mg/L			09/08/11 11:29	25
Alkalinity, Bicarbonate	1490		250	100	mg/L			09/08/11 11:29	25
Alkalinity, Carbonate	ND		250	100	mg/L			09/08/11 11:29	25
Hydroxide Alkalinity	ND		250	100	mg/L			09/08/11 11:29	25
Ammonia	0.28	B	0.020	0.0090	mg/L			09/03/11 15:13	1
Ammonia as NH3	0.34	B	0.024	0.011	mg/L			09/03/11 15:13	1
Total Kjeldahl Nitrogen	1.5	B	0.20	0.15	mg/L		09/08/11 09:50	09/09/11 09:28	1
Nitrate as N	ND		0.050	0.011	mg/L			09/02/11 21:06	1
Chemical Oxygen Demand	130		10.0	5.0	mg/L			09/12/11 18:24	1
Hexavalent chromium	ND		0.010	0.0050	mg/L			09/02/11 03:06	1
Cyanide, Total	ND		0.010	0.0050	mg/L		09/10/11 15:45	09/13/11 09:56	1
Sulfate	3.0	J B	5.0	1.5	mg/L			09/09/11 08:27	1
Total Organic Carbon	57.1		40.0	17.4	mg/L			09/07/11 12:36	40
Phenolics, Total Recoverable	0.012		0.010	0.0050	mg/L		09/07/11 18:25	09/09/11 09:38	1
Chloride	19.2		1.0	0.34	mg/L			09/03/11 09:58	1
Hardness as calcium carbonate	1650		50.0	13.1	mg/L			09/08/11 10:28	1
Biochemical Oxygen Demand	4.1		2.0	2.0	mg/L			09/02/11 19:21	1
Carbonaceous Biochemical Oxygen Demand	3.2		2.0	2.0	mg/L			09/02/11 19:21	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	100		20.0	20.0	Color Units			09/02/11 20:50	4

Client Sample ID: TP-7

Lab Sample ID: 480-9323-1

Date Collected: 09/02/11 11:00

Matrix: Water

Date Received: 09/02/11 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.8	ug/L			09/14/11 05:38	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			09/14/11 05:38	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			09/14/11 05:38	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			09/14/11 05:38	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			09/14/11 05:38	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			09/14/11 05:38	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			09/14/11 05:38	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			09/14/11 05:38	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			09/14/11 05:38	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			09/14/11 05:38	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			09/14/11 05:38	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			09/14/11 05:38	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			09/14/11 05:38	5
2-Hexanone	ND		25	6.2	ug/L			09/14/11 05:38	5
2-Butanone (MEK)	ND		50	6.6	ug/L			09/14/11 05:38	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			09/14/11 05:38	5
Acetone	18	J	50	15	ug/L			09/14/11 05:38	5
Acrylonitrile	ND		25	4.2	ug/L			09/14/11 05:38	5
Benzene	ND		5.0	2.1	ug/L			09/14/11 05:38	5
Bromochloromethane	ND		5.0	4.4	ug/L			09/14/11 05:38	5

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: TP-7

Lab Sample ID: 480-9323-1

Date Collected: 09/02/11 11:00

Matrix: Water

Date Received: 09/02/11 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		5.0	2.0	ug/L			09/14/11 05:38	5
Bromoform	ND		5.0	1.3	ug/L			09/14/11 05:38	5
Bromomethane	ND		5.0	3.5	ug/L			09/14/11 05:38	5
Carbon disulfide	ND		5.0	0.95	ug/L			09/14/11 05:38	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			09/14/11 05:38	5
Chlorobenzene	ND		5.0	3.8	ug/L			09/14/11 05:38	5
Dibromochloromethane	ND		5.0	1.6	ug/L			09/14/11 05:38	5
Chloroethane	ND		5.0	1.6	ug/L			09/14/11 05:38	5
Chloroform	ND		5.0	1.7	ug/L			09/14/11 05:38	5
Chloromethane	ND		5.0	1.8	ug/L			09/14/11 05:38	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			09/14/11 05:38	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			09/14/11 05:38	5
Dibromomethane	ND		5.0	2.1	ug/L			09/14/11 05:38	5
Ethylbenzene	ND		5.0	3.7	ug/L			09/14/11 05:38	5
Iodomethane	ND		5.0	1.5	ug/L			09/14/11 05:38	5
Methylene Chloride	ND		5.0	2.2	ug/L			09/14/11 05:38	5
Styrene	ND		5.0	3.7	ug/L			09/14/11 05:38	5
Tetrachloroethene	ND		5.0	1.8	ug/L			09/14/11 05:38	5
Toluene	ND		5.0	2.6	ug/L			09/14/11 05:38	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			09/14/11 05:38	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			09/14/11 05:38	5
trans-1,4-Dichloro-2-butene	ND		25	11	ug/L			09/14/11 05:38	5
Trichloroethene	ND		5.0	2.3	ug/L			09/14/11 05:38	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			09/14/11 05:38	5
Vinyl acetate	ND		25	4.3	ug/L			09/14/11 05:38	5
Vinyl chloride	ND		5.0	4.5	ug/L			09/14/11 05:38	5
Xylenes, Total	ND		10	3.3	ug/L			09/14/11 05:38	5
m,p-Xylene	ND		10	3.3	ug/L			09/14/11 05:38	5
o-Xylene	ND		5.0	3.8	ug/L			09/14/11 05:38	5
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		66 - 137					09/14/11 05:38	5
Toluene-d8 (Surr)	111		71 - 126					09/14/11 05:38	5
4-Bromofluorobenzene (Surr)	106		73 - 120					09/14/11 05:38	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	104	B	0.20	0.060	mg/L		09/07/11 08:30	09/07/11 15:23	1
Antimony	ND		0.020	0.0068	mg/L		09/07/11 08:30	09/07/11 15:23	1
Arsenic	0.16		0.010	0.0056	mg/L		09/07/11 08:30	09/07/11 15:23	1
Barium	3.5		0.0020	0.00050	mg/L		09/07/11 08:30	09/07/11 15:23	1
Beryllium	0.0049		0.0020	0.00030	mg/L		09/07/11 08:30	09/07/11 15:23	1
Boron	2.1	B	0.020	0.0040	mg/L		09/07/11 08:30	09/07/11 15:23	1
Cadmium	0.023		0.0010	0.00033	mg/L		09/07/11 08:30	09/07/11 15:23	1
Calcium	562	B	0.50	0.10	mg/L		09/07/11 08:30	09/07/11 15:23	1
Chromium	0.19		0.0040	0.00087	mg/L		09/07/11 08:30	09/07/11 15:23	1
Cobalt	0.081		0.0040	0.00063	mg/L		09/07/11 08:30	09/07/11 15:23	1
Copper	0.53		0.010	0.0015	mg/L		09/07/11 08:30	09/07/11 15:23	1
Iron	207	B	0.050	0.019	mg/L		09/07/11 08:30	09/07/11 15:23	1
Lead	9.4		0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 15:23	1
Magnesium	104		0.20	0.043	mg/L		09/07/11 08:30	09/07/11 15:23	1

Client Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: TP-7

Lab Sample ID: 480-9323-1

Date Collected: 09/02/11 11:00

Matrix: Water

Date Received: 09/02/11 16:00

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	9.9	B	0.0030	0.00030	mg/L		09/07/11 08:30	09/07/11 15:23	1
Nickel	0.18		0.010	0.0013	mg/L		09/07/11 08:30	09/07/11 15:23	1
Potassium	22.8		0.50	0.20	mg/L		09/07/11 08:30	09/07/11 15:23	1
Selenium	ND		0.015	0.0087	mg/L		09/07/11 08:30	09/07/11 15:23	1
Silver	0.0018	J	0.0030	0.0017	mg/L		09/07/11 08:30	09/07/11 15:23	1
Sodium	18.3		1.0	0.32	mg/L		09/07/11 08:30	09/07/11 15:23	1
Thallium	ND		0.020	0.010	mg/L		09/07/11 08:30	09/07/11 15:23	1
Vanadium	0.19		0.0050	0.0011	mg/L		09/07/11 08:30	09/07/11 15:23	1
Zinc	7.4		0.010	0.0017	mg/L		09/07/11 08:30	09/07/11 15:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.0010	0.00060	mg/L		09/06/11 10:55	09/06/11 15:55	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		2.0	0.73	mg/L			09/09/11 21:28	10
Chloride	9.8		5.0	2.8	mg/L			09/09/11 21:28	10
Fluoride	ND		0.50	0.060	mg/L			09/09/11 21:28	10
Sulfate	248		20.0	3.5	mg/L			09/09/11 21:28	10
Alkalinity, Total	1460		500	200	mg/L			09/13/11 11:05	50
Alkalinity, Bicarbonate	1460		500	200	mg/L			09/13/11 11:05	50
Alkalinity, Carbonate	ND		500	200	mg/L			09/13/11 11:05	50
Hydroxide Alkalinity	ND		500	200	mg/L			09/13/11 11:05	50
Ammonia	1.2		0.020	0.0090	mg/L			09/07/11 13:32	1
Ammonia as NH3	1.5		0.024	0.011	mg/L			09/07/11 13:32	1
Total Kjeldahl Nitrogen	1.7	B	0.20	0.15	mg/L		09/08/11 12:20	09/09/11 09:48	1
Nitrate as N	0.057		0.050	0.011	mg/L			09/02/11 21:06	1
Chemical Oxygen Demand	199	B	10.0	5.0	mg/L			09/06/11 19:18	1
Hexavalent chromium	ND		0.010	0.0050	mg/L			09/02/11 23:15	1
Cyanide, Total	0.040		0.010	0.0050	mg/L		09/14/11 11:00	09/15/11 12:15	1
Sulfate	371	B	50.0	15.0	mg/L			09/09/11 12:04	10
Total Organic Carbon	32.1		10.0	4.3	mg/L			09/09/11 23:13	10
Phenolics, Total Recoverable	0.022		0.010	0.0050	mg/L		09/07/11 23:46	09/09/11 10:28	1
Chloride	11.9		1.0	0.34	mg/L			09/09/11 11:15	1
Hardness as calcium carbonate	2140		20.0	5.3	mg/L			09/08/11 10:28	1
Biochemical Oxygen Demand	5.6		2.0	2.0	mg/L			09/02/11 19:21	1
Carbonaceous Biochemical Oxygen Demand	5.3		2.0	2.0	mg/L			09/02/11 19:21	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	80.0		20.0	20.0	Color Units			09/02/11 20:52	4

Surrogate Summary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		12DCE (66-137)	TOL (71-126)	BFB (73-120)
480-9210-1	Leachate Seep	137	107	111
480-9266-1	TP-5	112	99	93
480-9323-1	TP-7	115	111	106
LCS 480-30247/4	Lab Control Sample	115	101	97
LCS 480-30410/4	Lab Control Sample	132	106	119
LCS 480-31128/4	Lab Control Sample	105	111	105
MB 480-30247/5	Method Blank	118	102	90
MB 480-30410/5	Method Blank	135	108	112
MB 480-31128/5	Method Blank	108	110	108

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

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

Lab Sample ID: MB 480-30247/5

Matrix: Water

Analysis Batch: 30247

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/07/11 12:55	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/07/11 12:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/07/11 12:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/07/11 12:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/07/11 12:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/07/11 12:55	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/07/11 12:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/07/11 12:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/07/11 12:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/07/11 12:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/07/11 12:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/07/11 12:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/07/11 12:55	1
2-Hexanone	ND		5.0	1.2	ug/L			09/07/11 12:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/07/11 12:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/07/11 12:55	1
Acetone	ND		10	3.0	ug/L			09/07/11 12:55	1
Acrylonitrile	ND		5.0	0.83	ug/L			09/07/11 12:55	1
Benzene	ND		1.0	0.41	ug/L			09/07/11 12:55	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/07/11 12:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/07/11 12:55	1
Bromoform	ND		1.0	0.26	ug/L			09/07/11 12:55	1
Bromomethane	ND		1.0	0.69	ug/L			09/07/11 12:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/07/11 12:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/07/11 12:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/07/11 12:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/07/11 12:55	1
Chloroethane	ND		1.0	0.32	ug/L			09/07/11 12:55	1
Chloroform	ND		1.0	0.34	ug/L			09/07/11 12:55	1
Chloromethane	ND		1.0	0.35	ug/L			09/07/11 12:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/07/11 12:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/07/11 12:55	1
Dibromomethane	ND		1.0	0.41	ug/L			09/07/11 12:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/07/11 12:55	1
Iodomethane	ND		1.0	0.30	ug/L			09/07/11 12:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/07/11 12:55	1
Styrene	ND		1.0	0.73	ug/L			09/07/11 12:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/07/11 12:55	1
Toluene	ND		1.0	0.51	ug/L			09/07/11 12:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/07/11 12:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/07/11 12:55	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			09/07/11 12:55	1
Trichloroethene	ND		1.0	0.46	ug/L			09/07/11 12:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/07/11 12:55	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/07/11 12:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/07/11 12:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/07/11 12:55	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/07/11 12:55	1
o-Xylene	ND		1.0	0.76	ug/L			09/07/11 12:55	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

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

Lab Sample ID: MB 480-30247/5

Matrix: Water

Analysis Batch: 30247

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	118		66 - 137		09/07/11 12:55	1
Toluene-d8 (Surr)	102		71 - 126		09/07/11 12:55	1
4-Bromofluorobenzene (Surr)	90		73 - 120		09/07/11 12:55	1

Lab Sample ID: LCS 480-30247/4

Matrix: Water

Analysis Batch: 30247

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	25.0	23.4		ug/L		94	65 - 138
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	77 - 120
1,2-Dichloroethane	25.0	31.7		ug/L		127	75 - 127
Benzene	25.0	26.9		ug/L		108	71 - 124
Chlorobenzene	25.0	28.0		ug/L		112	72 - 120
cis-1,2-Dichloroethene	25.0	25.6		ug/L		102	74 - 124
Ethylbenzene	25.0	27.3		ug/L		109	77 - 123
Tetrachloroethene	25.0	28.8		ug/L		115	74 - 122
Toluene	25.0	27.0		ug/L		108	70 - 122
trans-1,2-Dichloroethene	25.0	29.0		ug/L		116	73 - 127
Trichloroethene	25.0	26.8		ug/L		107	74 - 123
m,p-Xylene	50.0	56.0		ug/L		112	76 - 122
o-Xylene	25.0	26.5		ug/L		106	76 - 122

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	115		66 - 137
Toluene-d8 (Surr)	101		71 - 126
4-Bromofluorobenzene (Surr)	97		73 - 120

Lab Sample ID: MB 480-30410/5

Matrix: Water

Analysis Batch: 30410

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/08/11 11:12	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/08/11 11:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/08/11 11:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/08/11 11:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/08/11 11:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/08/11 11:12	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/08/11 11:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/08/11 11:12	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/08/11 11:12	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/08/11 11:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/08/11 11:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/08/11 11:12	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/08/11 11:12	1
2-Hexanone	ND		5.0	1.2	ug/L			09/08/11 11:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/08/11 11:12	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

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

Lab Sample ID: MB 480-30410/5

Matrix: Water

Analysis Batch: 30410

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/08/11 11:12	1
Acetone	ND		10	3.0	ug/L			09/08/11 11:12	1
Acrylonitrile	ND		5.0	0.83	ug/L			09/08/11 11:12	1
Benzene	ND		1.0	0.41	ug/L			09/08/11 11:12	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/08/11 11:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/08/11 11:12	1
Bromoform	ND		1.0	0.26	ug/L			09/08/11 11:12	1
Bromomethane	ND		1.0	0.69	ug/L			09/08/11 11:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/08/11 11:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/08/11 11:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/08/11 11:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/08/11 11:12	1
Chloroethane	ND		1.0	0.32	ug/L			09/08/11 11:12	1
Chloroform	ND		1.0	0.34	ug/L			09/08/11 11:12	1
Chloromethane	ND		1.0	0.35	ug/L			09/08/11 11:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/08/11 11:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/08/11 11:12	1
Dibromomethane	ND		1.0	0.41	ug/L			09/08/11 11:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/08/11 11:12	1
Iodomethane	ND		1.0	0.30	ug/L			09/08/11 11:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/08/11 11:12	1
Styrene	ND		1.0	0.73	ug/L			09/08/11 11:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/08/11 11:12	1
Toluene	ND		1.0	0.51	ug/L			09/08/11 11:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/08/11 11:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/08/11 11:12	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			09/08/11 11:12	1
Trichloroethene	ND		1.0	0.46	ug/L			09/08/11 11:12	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/08/11 11:12	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/08/11 11:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/08/11 11:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/08/11 11:12	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/08/11 11:12	1
o-Xylene	ND		1.0	0.76	ug/L			09/08/11 11:12	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	135		66 - 137		09/08/11 11:12	1
Toluene-d8 (Surr)	108		71 - 126		09/08/11 11:12	1
4-Bromofluorobenzene (Surr)	112		73 - 120		09/08/11 11:12	1

Lab Sample ID: LCS 480-30410/4

Matrix: Water

Analysis Batch: 30410

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
1,1-Dichloroethane	25.0	23.6		ug/L		94	71 - 129
1,1-Dichloroethene	25.0	18.7		ug/L		75	65 - 138
1,2-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,2-Dichloroethane	25.0	29.9		ug/L		120	75 - 127

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

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

Lab Sample ID: LCS 480-30410/4

Matrix: Water

Analysis Batch: 30410

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Benzene	25.0	21.8		ug/L		87	71 - 124
Chlorobenzene	25.0	24.9		ug/L		100	72 - 120
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	74 - 124
Ethylbenzene	25.0	25.2		ug/L		101	77 - 123
Tetrachloroethene	25.0	28.1		ug/L		112	74 - 122
Toluene	25.0	23.7		ug/L		95	70 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
m,p-Xylene	50.0	52.1		ug/L		104	76 - 122
o-Xylene	25.0	25.0		ug/L		100	76 - 122

Surrogate	LCS LCS		Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	132		66 - 137
Toluene-d8 (Surr)	106		71 - 126
4-Bromofluorobenzene (Surr)	119		73 - 120

Lab Sample ID: MB 480-31128/5

Matrix: Water

Analysis Batch: 31128

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			09/13/11 23:16	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/13/11 23:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/13/11 23:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/13/11 23:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/13/11 23:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/13/11 23:16	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/13/11 23:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/13/11 23:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/13/11 23:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/13/11 23:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/13/11 23:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/13/11 23:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/13/11 23:16	1
2-Hexanone	ND		5.0	1.2	ug/L			09/13/11 23:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/13/11 23:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/13/11 23:16	1
Acetone	ND		10	3.0	ug/L			09/13/11 23:16	1
Acrylonitrile	ND		5.0	0.83	ug/L			09/13/11 23:16	1
Benzene	ND		1.0	0.41	ug/L			09/13/11 23:16	1
Bromochloromethane	ND		1.0	0.87	ug/L			09/13/11 23:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/13/11 23:16	1
Bromoform	ND		1.0	0.26	ug/L			09/13/11 23:16	1
Bromomethane	ND		1.0	0.69	ug/L			09/13/11 23:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/13/11 23:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/13/11 23:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/13/11 23:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/13/11 23:16	1
Chloroethane	ND		1.0	0.32	ug/L			09/13/11 23:16	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

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

Lab Sample ID: MB 480-31128/5

Matrix: Water

Analysis Batch: 31128

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloroform	ND		1.0	0.34	ug/L			09/13/11 23:16	1
Chloromethane	ND		1.0	0.35	ug/L			09/13/11 23:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/13/11 23:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/13/11 23:16	1
Dibromomethane	ND		1.0	0.41	ug/L			09/13/11 23:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/13/11 23:16	1
Iodomethane	ND		1.0	0.30	ug/L			09/13/11 23:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/13/11 23:16	1
Styrene	ND		1.0	0.73	ug/L			09/13/11 23:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/13/11 23:16	1
Toluene	ND		1.0	0.51	ug/L			09/13/11 23:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/13/11 23:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/13/11 23:16	1
trans-1,4-Dichloro-2-butene	ND		5.0	2.1	ug/L			09/13/11 23:16	1
Trichloroethene	ND		1.0	0.46	ug/L			09/13/11 23:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/13/11 23:16	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/13/11 23:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/13/11 23:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/13/11 23:16	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/13/11 23:16	1
o-Xylene	ND		1.0	0.76	ug/L			09/13/11 23:16	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	108		66 - 137		09/13/11 23:16	1
Toluene-d8 (Surr)	110		71 - 126		09/13/11 23:16	1
4-Bromofluorobenzene (Surr)	108		73 - 120		09/13/11 23:16	1

Lab Sample ID: LCS 480-31128/4

Matrix: Water

Analysis Batch: 31128

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
1,1-Dichloroethane	25.0	26.3		ug/L		105	71 - 129
1,1-Dichloroethene	25.0	26.7		ug/L		107	65 - 138
1,2-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,2-Dichloroethane	25.0	26.3		ug/L		105	75 - 127
Benzene	25.0	25.8		ug/L		103	71 - 124
Chlorobenzene	25.0	25.3		ug/L		101	72 - 120
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	74 - 124
Ethylbenzene	25.0	25.3		ug/L		101	77 - 123
Tetrachloroethene	25.0	26.4		ug/L		106	74 - 122
Toluene	25.0	25.7		ug/L		103	70 - 122
trans-1,2-Dichloroethene	25.0	25.9		ug/L		104	73 - 127
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
m,p-Xylene	50.0	51.2		ug/L		102	76 - 122
o-Xylene	25.0	25.1		ug/L		100	76 - 122

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	105		66 - 137

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

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

Lab Sample ID: LCS 480-31128/4
Matrix: Water
Analysis Batch: 31128

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

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	111		71 - 126
4-Bromofluorobenzene (Surr)	105		73 - 120

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 480-29858/1-A
Matrix: Water
Analysis Batch: 30105

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29858

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		09/02/11 08:30	09/02/11 15:08	1
Antimony	ND		0.020	0.0068	mg/L		09/02/11 08:30	09/02/11 15:08	1
Arsenic	ND		0.010	0.0056	mg/L		09/02/11 08:30	09/02/11 15:08	1
Barium	ND		0.0020	0.00050	mg/L		09/02/11 08:30	09/02/11 15:08	1
Beryllium	ND		0.0020	0.00030	mg/L		09/02/11 08:30	09/02/11 15:08	1
Boron	ND		0.020	0.0040	mg/L		09/02/11 08:30	09/02/11 15:08	1
Cadmium	ND		0.0010	0.00033	mg/L		09/02/11 08:30	09/02/11 15:08	1
Calcium	ND		0.50	0.10	mg/L		09/02/11 08:30	09/02/11 15:08	1
Chromium	ND		0.0040	0.00087	mg/L		09/02/11 08:30	09/02/11 15:08	1
Cobalt	ND		0.0040	0.00063	mg/L		09/02/11 08:30	09/02/11 15:08	1
Copper	ND		0.010	0.0015	mg/L		09/02/11 08:30	09/02/11 15:08	1
Iron	ND		0.050	0.019	mg/L		09/02/11 08:30	09/02/11 15:08	1
Lead	ND		0.0050	0.0030	mg/L		09/02/11 08:30	09/02/11 15:08	1
Magnesium	ND		0.20	0.043	mg/L		09/02/11 08:30	09/02/11 15:08	1
Manganese	0.000420	J	0.0030	0.00030	mg/L		09/02/11 08:30	09/02/11 15:08	1
Nickel	ND		0.010	0.0013	mg/L		09/02/11 08:30	09/02/11 15:08	1
Potassium	ND		0.50	0.20	mg/L		09/02/11 08:30	09/02/11 15:08	1
Selenium	ND		0.015	0.0087	mg/L		09/02/11 08:30	09/02/11 15:08	1
Silver	0.00184	J	0.0030	0.0017	mg/L		09/02/11 08:30	09/02/11 15:08	1
Sodium	ND		1.0	0.32	mg/L		09/02/11 08:30	09/02/11 15:08	1
Thallium	ND		0.020	0.010	mg/L		09/02/11 08:30	09/02/11 15:08	1
Vanadium	ND		0.0050	0.0011	mg/L		09/02/11 08:30	09/02/11 15:08	1
Zinc	ND		0.010	0.0017	mg/L		09/02/11 08:30	09/02/11 15:08	1

Lab Sample ID: LCS 480-29858/2-A
Matrix: Water
Analysis Batch: 30105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29858

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Aluminum	10.0	10.06		mg/L		101	80 - 120
Antimony	0.200	0.201		mg/L		101	80 - 120
Arsenic	0.200	0.197		mg/L		99	80 - 120
Barium	0.200	0.206		mg/L		103	80 - 120
Beryllium	0.200	0.211		mg/L		106	80 - 120
Boron	0.200	0.197		mg/L		98	80 - 120
Cadmium	0.200	0.202		mg/L		101	80 - 120
Calcium	10.0	10.36		mg/L		104	80 - 120
Chromium	0.200	0.203		mg/L		101	80 - 120
Cobalt	0.200	0.197		mg/L		98	80 - 120

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-29858/2-A
Matrix: Water
Analysis Batch: 30105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29858

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Copper	0.200	0.204		mg/L		102	80 - 120
Iron	10.0	10.25		mg/L		103	80 - 120
Lead	0.200	0.198		mg/L		99	80 - 120
Magnesium	10.0	10.34		mg/L		103	80 - 120
Manganese	0.200	0.205		mg/L		102	80 - 120
Nickel	0.200	0.199		mg/L		100	80 - 120
Potassium	10.0	9.93		mg/L		99	80 - 120
Selenium	0.200	0.205		mg/L		103	80 - 120
Silver	0.0500	0.0499		mg/L		100	80 - 120
Sodium	10.0	10.01		mg/L		100	80 - 120
Thallium	0.200	0.198		mg/L		99	80 - 120
Vanadium	0.200	0.193		mg/L		97	80 - 120
Zinc	0.200	0.199		mg/L		100	80 - 120

Lab Sample ID: MB 480-30009/1-A
Matrix: Water
Analysis Batch: 30380

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30009

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	ND		0.20	0.060	mg/L		09/06/11 09:20	09/07/11 10:31	1
Antimony	ND		0.020	0.0068	mg/L		09/06/11 09:20	09/07/11 10:31	1
Arsenic	ND		0.010	0.0056	mg/L		09/06/11 09:20	09/07/11 10:31	1
Barium	ND		0.0020	0.00050	mg/L		09/06/11 09:20	09/07/11 10:31	1
Beryllium	ND		0.0020	0.00030	mg/L		09/06/11 09:20	09/07/11 10:31	1
Boron	ND		0.020	0.0040	mg/L		09/06/11 09:20	09/07/11 10:31	1
Cadmium	ND		0.0010	0.00033	mg/L		09/06/11 09:20	09/07/11 10:31	1
Calcium	ND		0.50	0.10	mg/L		09/06/11 09:20	09/07/11 10:31	1
Chromium	ND		0.0040	0.00087	mg/L		09/06/11 09:20	09/07/11 10:31	1
Cobalt	ND		0.0040	0.00063	mg/L		09/06/11 09:20	09/07/11 10:31	1
Copper	ND		0.010	0.0015	mg/L		09/06/11 09:20	09/07/11 10:31	1
Iron	ND		0.050	0.019	mg/L		09/06/11 09:20	09/07/11 10:31	1
Lead	ND		0.0050	0.0030	mg/L		09/06/11 09:20	09/07/11 10:31	1
Magnesium	ND		0.20	0.043	mg/L		09/06/11 09:20	09/07/11 10:31	1
Manganese	0.00117	J	0.0030	0.00030	mg/L		09/06/11 09:20	09/07/11 10:31	1
Nickel	ND		0.010	0.0013	mg/L		09/06/11 09:20	09/07/11 10:31	1
Potassium	ND		0.50	0.20	mg/L		09/06/11 09:20	09/07/11 10:31	1
Selenium	ND		0.015	0.0087	mg/L		09/06/11 09:20	09/07/11 10:31	1
Silver	ND		0.0030	0.0017	mg/L		09/06/11 09:20	09/07/11 10:31	1
Sodium	ND		1.0	0.32	mg/L		09/06/11 09:20	09/07/11 10:31	1
Thallium	ND		0.020	0.010	mg/L		09/06/11 09:20	09/07/11 10:31	1
Vanadium	ND		0.0050	0.0011	mg/L		09/06/11 09:20	09/07/11 10:31	1
Zinc	ND		0.010	0.0017	mg/L		09/06/11 09:20	09/07/11 10:31	1

Lab Sample ID: LCS 480-30009/2-A
Matrix: Water
Analysis Batch: 30380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30009

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Aluminum	10.0	9.29		mg/L		93	80 - 120
Antimony	0.200	0.198		mg/L		99	80 - 120

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-30009/2-A
Matrix: Water
Analysis Batch: 30380

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30009

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Arsenic	0.200	0.192		mg/L		96	80 - 120
Barium	0.200	0.195		mg/L		97	80 - 120
Beryllium	0.200	0.209		mg/L		104	80 - 120
Boron	0.200	0.195		mg/L		98	80 - 120
Cadmium	0.200	0.195		mg/L		97	80 - 120
Calcium	10.0	9.72		mg/L		97	80 - 120
Chromium	0.200	0.192		mg/L		96	80 - 120
Cobalt	0.200	0.192		mg/L		96	80 - 120
Copper	0.200	0.190		mg/L		95	80 - 120
Iron	10.0	9.84		mg/L		98	80 - 120
Lead	0.200	0.192		mg/L		96	80 - 120
Magnesium	10.0	9.99		mg/L		100	80 - 120
Manganese	0.200	0.203		mg/L		102	80 - 120
Nickel	0.200	0.192		mg/L		96	80 - 120
Potassium	10.0	9.18		mg/L		92	80 - 120
Selenium	0.200	0.194		mg/L		97	80 - 120
Silver	0.0500	0.0481		mg/L		96	80 - 120
Sodium	10.0	9.29		mg/L		93	80 - 120
Thallium	0.200	0.200		mg/L		100	80 - 120
Vanadium	0.200	0.186		mg/L		93	80 - 120
Zinc	0.200	0.190		mg/L		95	80 - 120

Lab Sample ID: MB 480-30181/1-A
Matrix: Water
Analysis Batch: 30438

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30181

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	0.0617	J	0.20	0.060	mg/L		09/07/11 08:30	09/07/11 14:42	1
Antimony	ND		0.020	0.0068	mg/L		09/07/11 08:30	09/07/11 14:42	1
Arsenic	ND		0.010	0.0056	mg/L		09/07/11 08:30	09/07/11 14:42	1
Barium	ND		0.0020	0.00050	mg/L		09/07/11 08:30	09/07/11 14:42	1
Beryllium	ND		0.0020	0.00030	mg/L		09/07/11 08:30	09/07/11 14:42	1
Boron	0.0155	J	0.020	0.0040	mg/L		09/07/11 08:30	09/07/11 14:42	1
Cadmium	ND		0.0010	0.00033	mg/L		09/07/11 08:30	09/07/11 14:42	1
Calcium	0.193	J	0.50	0.10	mg/L		09/07/11 08:30	09/07/11 14:42	1
Chromium	ND		0.0040	0.00087	mg/L		09/07/11 08:30	09/07/11 14:42	1
Cobalt	ND		0.0040	0.00063	mg/L		09/07/11 08:30	09/07/11 14:42	1
Copper	ND		0.010	0.0015	mg/L		09/07/11 08:30	09/07/11 14:42	1
Iron	0.0292	J	0.050	0.019	mg/L		09/07/11 08:30	09/07/11 14:42	1
Lead	ND		0.0050	0.0030	mg/L		09/07/11 08:30	09/07/11 14:42	1
Magnesium	ND		0.20	0.043	mg/L		09/07/11 08:30	09/07/11 14:42	1
Manganese	0.00244	J	0.0030	0.00030	mg/L		09/07/11 08:30	09/07/11 14:42	1
Nickel	ND		0.010	0.0013	mg/L		09/07/11 08:30	09/07/11 14:42	1
Potassium	ND		0.50	0.20	mg/L		09/07/11 08:30	09/07/11 14:42	1
Selenium	ND		0.015	0.0087	mg/L		09/07/11 08:30	09/07/11 14:42	1
Silver	ND		0.0030	0.0017	mg/L		09/07/11 08:30	09/07/11 14:42	1
Sodium	ND		1.0	0.32	mg/L		09/07/11 08:30	09/07/11 14:42	1
Thallium	ND		0.020	0.010	mg/L		09/07/11 08:30	09/07/11 14:42	1
Vanadium	ND		0.0050	0.0011	mg/L		09/07/11 08:30	09/07/11 14:42	1
Zinc	ND		0.010	0.0017	mg/L		09/07/11 08:30	09/07/11 14:42	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-30181/2-A

Matrix: Water

Analysis Batch: 30438

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 30181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Aluminum	10.0	10.28		mg/L		103	80 - 120	
Antimony	0.200	0.204		mg/L		102	80 - 120	
Arsenic	0.200	0.202		mg/L		101	80 - 120	
Barium	0.200	0.209		mg/L		105	80 - 120	
Beryllium	0.200	0.216		mg/L		108	80 - 120	
Boron	0.200	0.215		mg/L		108	80 - 120	
Cadmium	0.200	0.203		mg/L		102	80 - 120	
Calcium	10.0	10.31		mg/L		103	80 - 120	
Chromium	0.200	0.203		mg/L		101	80 - 120	
Cobalt	0.200	0.199		mg/L		100	80 - 120	
Copper	0.200	0.206		mg/L		103	80 - 120	
Iron	10.0	9.87		mg/L		99	80 - 120	
Lead	0.200	0.200		mg/L		100	80 - 120	
Magnesium	10.0	10.46		mg/L		105	80 - 120	
Manganese	0.200	0.213		mg/L		107	80 - 120	
Nickel	0.200	0.199		mg/L		100	80 - 120	
Potassium	10.0	10.19		mg/L		102	80 - 120	
Selenium	0.200	0.208		mg/L		104	80 - 120	
Silver	0.0500	0.0503		mg/L		101	80 - 120	
Sodium	10.0	10.14		mg/L		101	80 - 120	
Thallium	0.200	0.203		mg/L		102	80 - 120	
Vanadium	0.200	0.194		mg/L		97	80 - 120	
Zinc	0.200	0.203		mg/L		101	80 - 120	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-29946/1-A

Matrix: Water

Analysis Batch: 30003

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 29946

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020	0.00012	mg/L		09/02/11 11:30	09/02/11 15:00	1

Lab Sample ID: LCS 480-29946/2-A

Matrix: Water

Analysis Batch: 30003

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 29946

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Mercury	0.00667	0.00665		mg/L		100	80 - 120	

Lab Sample ID: MB 480-30144/1-A

Matrix: Water

Analysis Batch: 30213

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 30144

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	ND		0.00020	0.00012	mg/L		09/06/11 10:55	09/06/11 14:57	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 480-30144/2-A
 Matrix: Water
 Analysis Batch: 30213

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 30144

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Mercury	0.00667	0.00673		mg/L		101	80 - 120

Method: 300.0 - Bromide

Lab Sample ID: MB 480-30426/65
 Matrix: Water
 Analysis Batch: 30426

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20	0.073	mg/L			09/08/11 22:49	1

Lab Sample ID: LCS 480-30426/64
 Matrix: Water
 Analysis Batch: 30426

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Bromide	8.00	8.28		mg/L		104	90 - 110

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-29779/52
 Matrix: Water
 Analysis Batch: 29779

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20	0.073	mg/L			09/01/11 20:26	1
Chloride	ND		0.50	0.28	mg/L			09/01/11 20:26	1

Lab Sample ID: LCS 480-29779/51
 Matrix: Water
 Analysis Batch: 29779

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Bromide	8.00	8.67		mg/L		108	90 - 110
Chloride	20.0	21.70		mg/L		109	90 - 110

Lab Sample ID: 480-9210-1 MS
 Matrix: Water
 Analysis Batch: 29779

Client Sample ID: Leachate Seep
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Bromide	ND		10.0	11.00		mg/L		110	75 - 125
Chloride	5.5		25.0	33.20		mg/L		111	73 - 114

Lab Sample ID: MB 480-30171/4
 Matrix: Water
 Analysis Batch: 30171

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20	0.073	mg/L			09/06/11 14:41	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 480-30171/4
Matrix: Water
Analysis Batch: 30171

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			09/06/11 14:41	1
Fluoride	ND		0.050	0.0060	mg/L			09/06/11 14:41	1

Lab Sample ID: LCS 480-30171/3
Matrix: Water
Analysis Batch: 30171

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Bromide	8.00	8.33		mg/L		104	90 - 110
Chloride	20.0	20.20		mg/L		101	90 - 110
Fluoride	2.00	2.12		mg/L		106	90 - 110

Lab Sample ID: MB 480-30605/28
Matrix: Water
Analysis Batch: 30605

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromide	ND		0.20	0.073	mg/L			09/09/11 18:05	1
Chloride	ND		0.50	0.28	mg/L			09/09/11 18:05	1
Fluoride	ND		0.050	0.0060	mg/L			09/09/11 18:05	1
Sulfate	ND		2.0	0.35	mg/L			09/09/11 18:05	1

Lab Sample ID: LCS 480-30605/27
Matrix: Water
Analysis Batch: 30605

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Bromide	8.00	7.95		mg/L		99	90 - 110
Chloride	20.0	19.10		mg/L		96	90 - 110
Fluoride	2.00	1.98		mg/L		99	90 - 110
Sulfate	20.0	19.10		mg/L		96	90 - 110

Method: 310.2 - Alkalinity

Lab Sample ID: MB 480-30379/12
Matrix: Water
Analysis Batch: 30379

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	ND		10.0	4.0	mg/L			09/07/11 12:35	1
Alkalinity, Bicarbonate	ND		10.0	4.0	mg/L			09/07/11 12:35	1
Alkalinity, Carbonate	ND		10.0	4.0	mg/L			09/07/11 12:35	1
Hydroxide Alkalinity	ND		10.0	4.0	mg/L			09/07/11 12:35	1

Lab Sample ID: LCS 480-30379/11
Matrix: Water
Analysis Batch: 30379

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Alkalinity, Total	50.0	49.44		mg/L		99	90 - 110

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 310.2 - Alkalinity (Continued)

Lab Sample ID: 480-9210-1 DU

Matrix: Water

Analysis Batch: 30379

Client Sample ID: Leachate Seep

Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Alkalinity, Total	287		313.0		mg/L		9	20
Alkalinity, Bicarbonate	287		313.0		mg/L		9	20
Alkalinity, Carbonate	ND		ND		mg/L		NC	20
Hydroxide Alkalinity	ND		ND		mg/L		NC	20

Lab Sample ID: MB 480-30557/59

Matrix: Water

Analysis Batch: 30557

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Alkalinity, Total	ND		10.0	4.0	mg/L			09/08/11 11:29	1
Alkalinity, Bicarbonate	ND		10.0	4.0	mg/L			09/08/11 11:29	1
Alkalinity, Carbonate	ND		10.0	4.0	mg/L			09/08/11 11:29	1
Hydroxide Alkalinity	ND		10.0	4.0	mg/L			09/08/11 11:29	1

Lab Sample ID: LCS 480-30557/58

Matrix: Water

Analysis Batch: 30557

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Alkalinity, Total	50.0	48.63		mg/L		97	90 - 110

Lab Sample ID: 480-9266-1 DU

Matrix: Water

Analysis Batch: 30557

Client Sample ID: TP-5

Prep Type: Total/NA

Analyte	Sample	Sample	DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Alkalinity, Total	1490		1433		mg/L		4	20
Alkalinity, Bicarbonate	1490		1433		mg/L		4	20
Alkalinity, Carbonate	ND		ND		mg/L		NC	20
Hydroxide Alkalinity	ND		ND		mg/L		NC	20

Lab Sample ID: MB 480-31086/42

Matrix: Water

Analysis Batch: 31086

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Alkalinity, Total	ND		10.0	4.0	mg/L			09/13/11 11:05	1
Alkalinity, Bicarbonate	ND		10.0	4.0	mg/L			09/13/11 11:05	1
Alkalinity, Carbonate	ND		10.0	4.0	mg/L			09/13/11 11:05	1
Hydroxide Alkalinity	ND		10.0	4.0	mg/L			09/13/11 11:05	1

Lab Sample ID: LCS 480-31086/41

Matrix: Water

Analysis Batch: 31086

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	% Rec	% Rec. Limits
		Result	Qualifier				
Alkalinity, Total	50.0	47.68		mg/L		95	90 - 110

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-30088/147
Matrix: Water
Analysis Batch: 30088

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.00986	J	0.020	0.0090	mg/L			09/03/11 15:07	1
Ammonia as NH3	0.0120	J	0.024	0.011	mg/L			09/03/11 15:07	1

Lab Sample ID: MB 480-30088/51
Matrix: Water
Analysis Batch: 30088

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			09/03/11 13:33	1
Ammonia as NH3	ND		0.024	0.011	mg/L			09/03/11 13:33	1

Lab Sample ID: LCS 480-30088/148
Matrix: Water
Analysis Batch: 30088

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	1.00	1.04		mg/L		104	90 - 110
Ammonia as NH3	1.22	1.27		mg/L		104	90 - 110

Lab Sample ID: LCS 480-30088/52
Matrix: Water
Analysis Batch: 30088

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	1.00	1.04		mg/L		104	90 - 110
Ammonia as NH3	1.22	1.27		mg/L		104	90 - 110

Lab Sample ID: MB 480-30293/27
Matrix: Water
Analysis Batch: 30293

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			09/07/11 13:13	1
Ammonia as NH3	ND		0.024	0.011	mg/L			09/07/11 13:13	1

Lab Sample ID: LCS 480-30293/28
Matrix: Water
Analysis Batch: 30293

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Ammonia	1.00	0.998		mg/L		100	90 - 110
Ammonia as NH3	1.22	1.21		mg/L		99	90 - 110

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 480-30278/1-A
Matrix: Water
Analysis Batch: 30470

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30278

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L		09/07/11 10:35	09/08/11 10:03	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Lab Sample ID: LCS 480-30278/2-A
Matrix: Water
Analysis Batch: 30470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30278

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Total Kjeldahl Nitrogen	2.50	2.47		mg/L		99	90 - 110	

Lab Sample ID: MB 480-30493/1-A
Matrix: Water
Analysis Batch: 30629

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30493

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Kjeldahl Nitrogen	0.162	J	0.20	0.15	mg/L		09/08/11 09:30	09/09/11 08:15	1

Lab Sample ID: LCS 480-30493/2-A
Matrix: Water
Analysis Batch: 30629

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30493

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Total Kjeldahl Nitrogen	2.50	2.54		mg/L		102	90 - 110	

Method: 410.4 - COD

Lab Sample ID: MB 480-30220/51
Matrix: Water
Analysis Batch: 30220

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			09/06/11 16:30	1

Lab Sample ID: LCS 480-30220/52
Matrix: Water
Analysis Batch: 30220

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

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Chemical Oxygen Demand	25.0	25.38		mg/L		102	90 - 110	

Lab Sample ID: MB 480-30222/3
Matrix: Water
Analysis Batch: 30222

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chemical Oxygen Demand	15.08		10.0	5.0	mg/L			09/06/11 19:06	1

Lab Sample ID: LCS 480-30222/4
Matrix: Water
Analysis Batch: 30222

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

Analyte	Spike Added	LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Chemical Oxygen Demand	200	217.1		mg/L		109	90 - 110	

Lab Sample ID: 480-9323-1 MS
Matrix: Water
Analysis Batch: 30222

Client Sample ID: TP-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	% Rec	% Rec.	
				Result	Qualifier				Limits	
Chemical Oxygen Demand	199	B	400	631.8		mg/L		108	75 - 125	

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 410.4 - COD (Continued)

Lab Sample ID: 480-9323-1 DU
 Matrix: Water
 Analysis Batch: 30222

Client Sample ID: TP-7
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Chemical Oxygen Demand	199	B	194.7		mg/L		2	20

Lab Sample ID: MB 480-30924/27
 Matrix: Water
 Analysis Batch: 30924

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chemical Oxygen Demand	ND		10.0	5.0	mg/L			09/12/11 18:22	1

Lab Sample ID: LCS 480-30924/28
 Matrix: Water
 Analysis Batch: 30924

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chemical Oxygen Demand	25.0	26.98		mg/L		108	90 - 110

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 480-29868/3
 Matrix: Water
 Analysis Batch: 29868

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.010	0.0050	mg/L			09/01/11 14:49	1

Lab Sample ID: LCS 480-29868/4
 Matrix: Water
 Analysis Batch: 29868

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Hexavalent chromium	0.0500	0.0476		mg/L		95	85 - 115

Lab Sample ID: 480-9210-1 MS
 Matrix: Water
 Analysis Batch: 29868

Client Sample ID: Leachate Seep
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Hexavalent chromium	ND		0.0500	0.0449		mg/L		90	85 - 115

Lab Sample ID: 480-9210-1 DU
 Matrix: Water
 Analysis Batch: 29868

Client Sample ID: Leachate Seep
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Hexavalent chromium	ND		ND		mg/L		NC	15

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 7196A - Chromium, Hexavalent (Continued)

Lab Sample ID: MB 480-29902/3
 Matrix: Water
 Analysis Batch: 29902

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.010	0.0050	mg/L			09/02/11 02:45	1

Lab Sample ID: LCS 480-29902/4
 Matrix: Water
 Analysis Batch: 29902

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Hexavalent chromium	0.0500	0.0502		mg/L		100	85 - 115

Lab Sample ID: 480-9266-1 MS
 Matrix: Water
 Analysis Batch: 29902

Client Sample ID: TP-5
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Hexavalent chromium	ND		0.0500	ND	F	mg/L		0	85 - 115

Lab Sample ID: MB 480-30242/3
 Matrix: Water
 Analysis Batch: 30242

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexavalent chromium	ND		0.010	0.0050	mg/L			09/02/11 23:15	1

Lab Sample ID: LCS 480-30242/4
 Matrix: Water
 Analysis Batch: 30242

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Hexavalent chromium	0.0500	0.0467		mg/L		93	85 - 115

Method: 9012A - Cyanide, Total and/or Amenable

Lab Sample ID: MB 480-30738/2-A
 Matrix: Water
 Analysis Batch: 31149

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 30738

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		09/10/11 15:45	09/13/11 09:51	1

Lab Sample ID: LCS 480-30738/1-A
 Matrix: Water
 Analysis Batch: 31149

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 30738

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.400	0.373		mg/L		93	90 - 110

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 9012A - Cyanide, Total and/or Amenable (Continued)

Lab Sample ID: MB 480-31259/2-A
Matrix: Water
Analysis Batch: 31428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 31259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		09/14/11 11:00	09/15/11 12:02	1

Lab Sample ID: LCS 480-31259/1-A
Matrix: Water
Analysis Batch: 31428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 31259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Cyanide, Total	0.400	0.386		mg/L		97	90 - 110

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 480-30556/37
Matrix: Water
Analysis Batch: 30556

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.27	J	5.0	1.5	mg/L			09/08/11 14:21	1

Lab Sample ID: LCS 480-30556/36
Matrix: Water
Analysis Batch: 30556

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfate	30.0	29.41		mg/L		98	90 - 110

Lab Sample ID: 480-9210-1 MS
Matrix: Water
Analysis Batch: 30556

Client Sample ID: Leachate Seep
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Sulfate	55.9	B	100	78.64	F	mg/L		23	60 - 128

Lab Sample ID: MB 480-30752/49
Matrix: Water
Analysis Batch: 30752

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.14	J	5.0	1.5	mg/L			09/09/11 11:36	1

Lab Sample ID: MB 480-30752/7
Matrix: Water
Analysis Batch: 30752

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2.43	J	5.0	1.5	mg/L			09/09/11 08:18	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: LCS 480-30752/48
Matrix: Water
Analysis Batch: 30752

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Sulfate	30.0	30.23		mg/L		101	90 - 110	

Lab Sample ID: LCS 480-30752/6
Matrix: Water
Analysis Batch: 30752

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
Sulfate	30.0	29.64		mg/L		99	90 - 110	

Method: 9060 - Organic Carbon, Total (TOC)

Lab Sample ID: MB 480-29948/11
Matrix: Water
Analysis Batch: 29948

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Organic Carbon	ND		1.0	0.43	mg/L			09/02/11 00:23	1

Lab Sample ID: LCS 480-29948/12
Matrix: Water
Analysis Batch: 29948

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec.	
							Limits	
TOC Result 1	60.0	59.14		mg/L		99	90 - 110	
TOC Result 2	60.0	58.30		mg/L		97	90 - 110	
TOC Result 3	60.0	58.75		mg/L		98	90 - 110	
TOC Result 4	60.0	59.13		mg/L		99	90 - 110	
Total Organic Carbon	60.0	58.83		mg/L		98	90 - 110	
Total Organic Carbon - Duplicates	60.0	58.72		mg/L		98	90 - 110	
Total Organic Carbon - Quad	60.0	58.83		mg/L		98	90 - 110	

Lab Sample ID: 480-9210-1 DU
Matrix: Water
Analysis Batch: 29948

Client Sample ID: Leachate Seep
Prep Type: Total/NA

Analyte	Sample Sample		DU DU		Unit	D	Prepared	Analyzed	RPD	Limit
	Result	Qualifier	Result	Qualifier						
Total Organic Carbon	2.2		2.24		mg/L				1	20

Lab Sample ID: MB 480-30407/112
Matrix: Water
Analysis Batch: 30407

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Organic Carbon	ND		1.0	0.43	mg/L			09/07/11 05:03	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

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

Lab Sample ID: LCS 480-30407/113

Matrix: Water

Analysis Batch: 30407

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits	
TOC Result 1	60.0	58.85		mg/L		98	90 - 110	
TOC Result 2	60.0	61.76		mg/L		103	90 - 110	
TOC Result 3	60.0	60.55		mg/L		101	90 - 110	
TOC Result 4	60.0	62.83		mg/L		105	90 - 110	
Total Organic Carbon	60.0	61.00		mg/L		102	90 - 110	
Total Organic Carbon - Duplicates	60.0	60.30		mg/L		101	90 - 110	
Total Organic Carbon - Quad	60.0	61.00		mg/L		102	90 - 110	

Lab Sample ID: MB 480-30887/74

Matrix: Water

Analysis Batch: 30887

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: MB 480-30887/93

Matrix: Water

Analysis Batch: 30887

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: LCS 480-30887/75

Matrix: Water

Analysis Batch: 30887

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits	
TOC Result 1	60.0	59.27		mg/L		99	90 - 110	
TOC Result 2	60.0	57.28		mg/L		95	90 - 110	
TOC Result 3	60.0	58.55		mg/L		98	90 - 110	
TOC Result 4	60.0	57.98		mg/L		97	90 - 110	
Total Organic Carbon	60.0	58.27		mg/L		97	90 - 110	
Total Organic Carbon - Duplicates	60.0	58.27		mg/L		97	90 - 110	
Total Organic Carbon - Quad	60.0	58.27		mg/L		97	90 - 110	

Lab Sample ID: LCS 480-30887/94

Matrix: Water

Analysis Batch: 30887

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits	
TOC Result 1	60.0	60.21		mg/L		100	90 - 110	
TOC Result 2	60.0	57.82		mg/L		96	90 - 110	
TOC Result 3	60.0	61.14		mg/L		102	90 - 110	
TOC Result 4	60.0	59.31		mg/L		99	90 - 110	
Total Organic Carbon	60.0	59.62		mg/L		99	90 - 110	
Total Organic Carbon - Duplicates	60.0	59.01		mg/L		98	90 - 110	
Total Organic Carbon - Quad	60.0	59.62		mg/L		99	90 - 110	

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 9066 - Phenolics, Total Recoverable

Lab Sample ID: MB 480-29890/1-A
Matrix: Water
Analysis Batch: 29976

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 29890

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		09/01/11 22:20	09/02/11 08:46	1

Lab Sample ID: LCS 480-29890/2-A
Matrix: Water
Analysis Batch: 29976

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 29890

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Phenolics, Total Recoverable	0.100	0.102		mg/L		102	90 - 110

Lab Sample ID: MB 480-30348/1-A
Matrix: Water
Analysis Batch: 30598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30348

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		09/07/11 14:45	09/09/11 07:41	1

Lab Sample ID: LCS 480-30348/2-A
Matrix: Water
Analysis Batch: 30598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30348

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Phenolics, Total Recoverable	0.100	0.109		mg/L		109	90 - 110

Lab Sample ID: MB 480-30350/1-A
Matrix: Water
Analysis Batch: 30598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 30350

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenolics, Total Recoverable	ND		0.010	0.0050	mg/L		09/07/11 21:00	09/09/11 07:41	1

Lab Sample ID: LCS 480-30350/2-A
Matrix: Water
Analysis Batch: 30598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 30350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Phenolics, Total Recoverable	0.100	0.108		mg/L		108	90 - 110

Method: 9251 - Chloride

Lab Sample ID: MB 480-29999/28
Matrix: Water
Analysis Batch: 29999

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.34	mg/L			09/02/11 10:07	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: 9251 - Chloride (Continued)

Lab Sample ID: LCS 480-29999/27
 Matrix: Water
 Analysis Batch: 29999

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	25.0	25.99		mg/L		104	90 - 110

Lab Sample ID: MB 480-30079/7
 Matrix: Water
 Analysis Batch: 30079

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.34	mg/L			09/03/11 09:54	1

Lab Sample ID: LCS 480-30079/6
 Matrix: Water
 Analysis Batch: 30079

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	25.0	25.82		mg/L		103	90 - 110

Lab Sample ID: 480-9266-1 DU
 Matrix: Water
 Analysis Batch: 30079

Client Sample ID: TP-5
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	19.2		19.16		mg/L		0.2	20

Lab Sample ID: MB 480-30753/13
 Matrix: Water
 Analysis Batch: 30753

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.0	0.34	mg/L			09/09/11 11:15	1

Lab Sample ID: LCS 480-30753/12
 Matrix: Water
 Analysis Batch: 30753

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chloride	25.0	27.39		mg/L		110	90 - 110

Method: SM 2120B - Color, Colorimetric

Lab Sample ID: MB 480-29895/3
 Matrix: Water
 Analysis Batch: 29895

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00	5.00	Color Units			09/01/11 17:39	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: SM 2120B - Color, Colorimetric (Continued)

Lab Sample ID: LCS 480-29895/4
 Matrix: Water
 Analysis Batch: 29895

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Color	30.0	30.00		Color Units		100	90 - 110

Lab Sample ID: MB 480-30048/3
 Matrix: Water
 Analysis Batch: 30048

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Color	ND		5.00	5.00	Color Units			09/02/11 20:46	1

Lab Sample ID: LCS 480-30048/4
 Matrix: Water
 Analysis Batch: 30048

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Color	30.0	30.00		Color Units		100	90 - 110

Method: SM 2340C - Hardness, Total

Lab Sample ID: MB 480-30471/27
 Matrix: Water
 Analysis Batch: 30471

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	ND		2.0	0.53	mg/L			09/08/11 10:28	1

Lab Sample ID: LCS 480-30471/28
 Matrix: Water
 Analysis Batch: 30471

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Hardness as calcium carbonate	250	256.0		mg/L		102	90 - 110

Lab Sample ID: 480-9266-1 MS
 Matrix: Water
 Analysis Batch: 30471

Client Sample ID: TP-5
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Hardness as calcium carbonate	1650		5000	8000		mg/L		127	74 - 130

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: USB 480-29896/1 USB
 Matrix: Water
 Analysis Batch: 29896

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			09/01/11 16:58	1

QC Sample Results

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method: SM 5210B - BOD, 5-Day (Continued)

Lab Sample ID: LCS 480-29896/2

Matrix: Water

Analysis Batch: 29896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Biochemical Oxygen Demand	198	210.8		mg/L		106	85 - 115

Lab Sample ID: USB 480-29898/1 USB

Matrix: Water

Analysis Batch: 29898

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			09/01/11 16:58	1

Lab Sample ID: LCS 480-29898/2

Matrix: Water

Analysis Batch: 29898

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Carbonaceous Biochemical Oxygen Demand	198	196.5		mg/L		99	85 - 115

Lab Sample ID: USB 480-30057/1 USB

Matrix: Water

Analysis Batch: 30057

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbonaceous Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			09/02/11 19:21	1

Lab Sample ID: LCS 480-30057/2

Matrix: Water

Analysis Batch: 30057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Carbonaceous Biochemical Oxygen Demand	198	174.6		mg/L		88	85 - 115

Lab Sample ID: USB 480-30058/1 USB

Matrix: Water

Analysis Batch: 30058

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		2.0	2.0	mg/L			09/02/11 19:21	1

Lab Sample ID: LCS 480-30058/2

Matrix: Water

Analysis Batch: 30058

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Biochemical Oxygen Demand	198	175.8		mg/L		89	85 - 115

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

GC/MS VOA

Analysis Batch: 30247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	8260B	
LCS 480-30247/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-30247/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 30410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	8260B	
LCS 480-30410/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-30410/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 31128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	8260B	
LCS 480-31128/4	Lab Control Sample	Total/NA	Water	8260B	
MB 480-31128/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 29858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	3005A	
LCS 480-29858/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-29858/1-A	Method Blank	Total/NA	Water	3005A	

Prep Batch: 29946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	7470A	
480-9266-1	TP-5	Total/NA	Water	7470A	
LCS 480-29946/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-29946/1-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 30003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	7470A	29946
480-9266-1	TP-5	Total/NA	Water	7470A	29946
LCS 480-29946/2-A	Lab Control Sample	Total/NA	Water	7470A	29946
MB 480-29946/1-A	Method Blank	Total/NA	Water	7470A	29946

Prep Batch: 30009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	3005A	
LCS 480-30009/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-30009/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 30105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	6010B	29858
LCS 480-29858/2-A	Lab Control Sample	Total/NA	Water	6010B	29858
MB 480-29858/1-A	Method Blank	Total/NA	Water	6010B	29858

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Metals (Continued)

Prep Batch: 30144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	7470A	
LCS 480-30144/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 480-30144/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 30181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	3005A	
LCS 480-30181/2-A	Lab Control Sample	Total/NA	Water	3005A	
MB 480-30181/1-A	Method Blank	Total/NA	Water	3005A	

Analysis Batch: 30213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	7470A	30144
LCS 480-30144/2-A	Lab Control Sample	Total/NA	Water	7470A	30144
MB 480-30144/1-A	Method Blank	Total/NA	Water	7470A	30144

Analysis Batch: 30380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	6010B	30009
LCS 480-30009/2-A	Lab Control Sample	Total/NA	Water	6010B	30009
MB 480-30009/1-A	Method Blank	Total/NA	Water	6010B	30009

Analysis Batch: 30438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	6010B	30181
LCS 480-30181/2-A	Lab Control Sample	Total/NA	Water	6010B	30181
MB 480-30181/1-A	Method Blank	Total/NA	Water	6010B	30181

General Chemistry

Analysis Batch: 29779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	300.0	
480-9210-1 MS	Leachate Seep	Total/NA	Water	300.0	
LCS 480-29779/51	Lab Control Sample	Total/NA	Water	300.0	
MB 480-29779/52	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 29868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	7196A	
480-9210-1 DU	Leachate Seep	Total/NA	Water	7196A	
480-9210-1 MS	Leachate Seep	Total/NA	Water	7196A	
LCS 480-29868/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-29868/3	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 29888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	353.2	

Prep Batch: 29890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	Distill/Phenol	

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

General Chemistry (Continued)

Prep Batch: 29890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-29890/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-29890/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 29895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	SM 2120B	
LCS 480-29895/4	Lab Control Sample	Total/NA	Water	SM 2120B	
MB 480-29895/3	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 29896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	SM 5210B	
LCS 480-29896/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-29896/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 29898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	SM 5210B	
LCS 480-29898/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-29898/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 29902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	7196A	
480-9266-1 MS	TP-5	Total/NA	Water	7196A	
LCS 480-29902/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-29902/3	Method Blank	Total/NA	Water	7196A	

Analysis Batch: 29948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	9060	
480-9210-1 DU	Leachate Seep	Total/NA	Water	9060	
LCS 480-29948/12	Lab Control Sample	Total/NA	Water	9060	
MB 480-29948/11	Method Blank	Total/NA	Water	9060	

Analysis Batch: 29976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	9066	29890
LCS 480-29890/2-A	Lab Control Sample	Total/NA	Water	9066	29890
MB 480-29890/1-A	Method Blank	Total/NA	Water	9066	29890

Analysis Batch: 29999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	9251	
LCS 480-29999/27	Lab Control Sample	Total/NA	Water	9251	
MB 480-29999/28	Method Blank	Total/NA	Water	9251	

Analysis Batch: 30048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	SM 2120B	
480-9323-1	TP-7	Total/NA	Water	SM 2120B	
LCS 480-30048/4	Lab Control Sample	Total/NA	Water	SM 2120B	

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

General Chemistry (Continued)

Analysis Batch: 30048 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-30048/3	Method Blank	Total/NA	Water	SM 2120B	

Analysis Batch: 30057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	SM 5210B	
480-9323-1	TP-7	Total/NA	Water	SM 5210B	
LCS 480-30057/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-30057/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 30058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	SM 5210B	
480-9323-1	TP-7	Total/NA	Water	SM 5210B	
LCS 480-30058/2	Lab Control Sample	Total/NA	Water	SM 5210B	
USB 480-30058/1 USB	Method Blank	Total/NA	Water	SM 5210B	

Analysis Batch: 30079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	9251	
480-9266-1 DU	TP-5	Total/NA	Water	9251	
LCS 480-30079/6	Lab Control Sample	Total/NA	Water	9251	
MB 480-30079/7	Method Blank	Total/NA	Water	9251	

Analysis Batch: 30088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	350.1	
480-9266-1	TP-5	Total/NA	Water	350.1	
LCS 480-30088/148	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-30088/52	Lab Control Sample	Total/NA	Water	350.1	
MB 480-30088/147	Method Blank	Total/NA	Water	350.1	
MB 480-30088/51	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 30171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	300.0	
LCS 480-30171/3	Lab Control Sample	Total/NA	Water	300.0	
MB 480-30171/4	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 30220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	410.4	
LCS 480-30220/52	Lab Control Sample	Total/NA	Water	410.4	
MB 480-30220/51	Method Blank	Total/NA	Water	410.4	

Analysis Batch: 30222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	410.4	
480-9323-1 DU	TP-7	Total/NA	Water	410.4	
480-9323-1 MS	TP-7	Total/NA	Water	410.4	
LCS 480-30222/4	Lab Control Sample	Total/NA	Water	410.4	
MB 480-30222/3	Method Blank	Total/NA	Water	410.4	

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

General Chemistry (Continued)

Analysis Batch: 30240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	353.2	
480-9323-1	TP-7	Total/NA	Water	353.2	

Analysis Batch: 30242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	7196A	
LCS 480-30242/4	Lab Control Sample	Total/NA	Water	7196A	
MB 480-30242/3	Method Blank	Total/NA	Water	7196A	

Prep Batch: 30278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	351.2	
LCS 480-30278/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-30278/1-A	Method Blank	Total/NA	Water	351.2	

Analysis Batch: 30293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	350.1	
LCS 480-30293/28	Lab Control Sample	Total/NA	Water	350.1	
MB 480-30293/27	Method Blank	Total/NA	Water	350.1	

Prep Batch: 30348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	Distill/Phenol	
LCS 480-30348/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-30348/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Prep Batch: 30350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	Distill/Phenol	
LCS 480-30350/2-A	Lab Control Sample	Total/NA	Water	Distill/Phenol	
MB 480-30350/1-A	Method Blank	Total/NA	Water	Distill/Phenol	

Analysis Batch: 30379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	310.2	
480-9210-1 DU	Leachate Seep	Total/NA	Water	310.2	
LCS 480-30379/11	Lab Control Sample	Total/NA	Water	310.2	
MB 480-30379/12	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 30407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	9060	
LCS 480-30407/113	Lab Control Sample	Total/NA	Water	9060	
MB 480-30407/112	Method Blank	Total/NA	Water	9060	

Analysis Batch: 30426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	300.0	
LCS 480-30426/64	Lab Control Sample	Total/NA	Water	300.0	
MB 480-30426/65	Method Blank	Total/NA	Water	300.0	



QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

General Chemistry (Continued)

Analysis Batch: 30470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	351.2	30278
LCS 480-30278/2-A	Lab Control Sample	Total/NA	Water	351.2	30278
MB 480-30278/1-A	Method Blank	Total/NA	Water	351.2	30278

Analysis Batch: 30471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	SM 2340C	
480-9266-1	TP-5	Total/NA	Water	SM 2340C	
480-9266-1 MS	TP-5	Total/NA	Water	SM 2340C	
480-9323-1	TP-7	Total/NA	Water	SM 2340C	
LCS 480-30471/28	Lab Control Sample	Total/NA	Water	SM 2340C	
MB 480-30471/27	Method Blank	Total/NA	Water	SM 2340C	

Prep Batch: 30493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	351.2	
480-9323-1	TP-7	Total/NA	Water	351.2	
LCS 480-30493/2-A	Lab Control Sample	Total/NA	Water	351.2	
MB 480-30493/1-A	Method Blank	Total/NA	Water	351.2	

Analysis Batch: 30556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	9038	
480-9210-1 MS	Leachate Seep	Total/NA	Water	9038	
LCS 480-30556/36	Lab Control Sample	Total/NA	Water	9038	
MB 480-30556/37	Method Blank	Total/NA	Water	9038	

Analysis Batch: 30557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	310.2	
480-9266-1 DU	TP-5	Total/NA	Water	310.2	
LCS 480-30557/58	Lab Control Sample	Total/NA	Water	310.2	
MB 480-30557/59	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 30598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	9066	30348
480-9323-1	TP-7	Total/NA	Water	9066	30350
LCS 480-30348/2-A	Lab Control Sample	Total/NA	Water	9066	30348
LCS 480-30350/2-A	Lab Control Sample	Total/NA	Water	9066	30350
MB 480-30348/1-A	Method Blank	Total/NA	Water	9066	30348
MB 480-30350/1-A	Method Blank	Total/NA	Water	9066	30350

Analysis Batch: 30605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	300.0	
LCS 480-30605/27	Lab Control Sample	Total/NA	Water	300.0	
MB 480-30605/28	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 30629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	351.2	30493

QC Association Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

General Chemistry (Continued)

Analysis Batch: 30629 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	351.2	30493
LCS 480-30493/2-A	Lab Control Sample	Total/NA	Water	351.2	30493
MB 480-30493/1-A	Method Blank	Total/NA	Water	351.2	30493

Prep Batch: 30738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	9012A	
480-9266-1	TP-5	Total/NA	Water	9012A	
LCS 480-30738/1-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-30738/2-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 30752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	9038	
480-9323-1	TP-7	Total/NA	Water	9038	
LCS 480-30752/48	Lab Control Sample	Total/NA	Water	9038	
LCS 480-30752/6	Lab Control Sample	Total/NA	Water	9038	
MB 480-30752/49	Method Blank	Total/NA	Water	9038	
MB 480-30752/7	Method Blank	Total/NA	Water	9038	

Analysis Batch: 30753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	9251	
LCS 480-30753/12	Lab Control Sample	Total/NA	Water	9251	
MB 480-30753/13	Method Blank	Total/NA	Water	9251	

Analysis Batch: 30887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	9060	
LCS 480-30887/75	Lab Control Sample	Total/NA	Water	9060	
LCS 480-30887/94	Lab Control Sample	Total/NA	Water	9060	
MB 480-30887/74	Method Blank	Total/NA	Water	9060	
MB 480-30887/93	Method Blank	Total/NA	Water	9060	

Analysis Batch: 30924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9266-1	TP-5	Total/NA	Water	410.4	
LCS 480-30924/28	Lab Control Sample	Total/NA	Water	410.4	
MB 480-30924/27	Method Blank	Total/NA	Water	410.4	

Analysis Batch: 31086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	310.2	
LCS 480-31086/41	Lab Control Sample	Total/NA	Water	310.2	
MB 480-31086/42	Method Blank	Total/NA	Water	310.2	

Analysis Batch: 31149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9210-1	Leachate Seep	Total/NA	Water	9012A	30738
480-9266-1	TP-5	Total/NA	Water	9012A	30738
LCS 480-30738/1-A	Lab Control Sample	Total/NA	Water	9012A	30738
MB 480-30738/2-A	Method Blank	Total/NA	Water	9012A	30738

QC Association Summary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

General Chemistry (Continued)

Prep Batch: 31259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	9012A	
LCS 480-31259/1-A	Lab Control Sample	Total/NA	Water	9012A	
MB 480-31259/2-A	Method Blank	Total/NA	Water	9012A	

Analysis Batch: 31428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-9323-1	TP-7	Total/NA	Water	9012A	31259
LCS 480-31259/1-A	Lab Control Sample	Total/NA	Water	9012A	31259
MB 480-31259/2-A	Method Blank	Total/NA	Water	9012A	31259

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Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: Leachate Seep

Lab Sample ID: 480-9210-1

Date Collected: 08/31/11 15:00

Matrix: Water

Date Received: 09/01/11 17:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30410	09/08/11 15:39	LH	TAL BUF
Total/NA	Prep	7470A			29946	09/02/11 11:30	MM	TAL BUF
Total/NA	Analysis	7470A		1	30003	09/02/11 15:39	MM	TAL BUF
Total/NA	Prep	3005A			29858	09/02/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30105	09/02/11 16:11	AH	TAL BUF
Total/NA	Analysis	300.0		1	29779	09/01/11 23:29	RF	TAL BUF
Total/NA	Analysis	7196A		1	29868	09/01/11 14:55	KS	TAL BUF
Total/NA	Analysis	353.2		1	29888	09/01/11 19:12	RL	TAL BUF
Total/NA	Analysis	SM 2120B		1	29895	09/01/11 17:54	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	29896	09/01/11 16:58	ML	TAL BUF
Total/NA	Analysis	SM 5210B		1	29898	09/01/11 16:58	ML	TAL BUF
Total/NA	Analysis	9060		1	29948	09/02/11 04:51	AP	TAL BUF
Total/NA	Prep	Distill/Phenol			29890	09/01/11 23:57	KS	TAL BUF
Total/NA	Analysis	9066		1	29976	09/02/11 10:08	PN	TAL BUF
Total/NA	Analysis	9251		1	29999	09/02/11 10:07	PN	TAL BUF
Total/NA	Analysis	350.1		1	30088	09/03/11 13:49	KS	TAL BUF
Total/NA	Analysis	300.0		1	30171	09/06/11 18:03	RF	TAL BUF
Total/NA	Analysis	410.4		1	30220	09/06/11 16:32	RL	TAL BUF
Total/NA	Analysis	310.2		10	30379	09/07/11 12:46	PN	TAL BUF
Total/NA	Prep	351.2			30278	09/07/11 10:35	PN	TAL BUF
Total/NA	Analysis	351.2		1	30470	09/08/11 11:10	PN	TAL BUF
Total/NA	Analysis	SM 2340C		1	30471	09/08/11 10:28	LRM	TAL BUF
Total/NA	Analysis	9038		5	30556	09/08/11 14:30	PN	TAL BUF
Total/NA	Prep	9012A			30738	09/10/11 15:45	AP	TAL BUF
Total/NA	Analysis	9012A		1	31149	09/13/11 09:54	LRM	TAL BUF

Client Sample ID: TP-5

Lab Sample ID: 480-9266-1

Date Collected: 09/01/11 12:30

Matrix: Water

Date Received: 09/01/11 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	30247	09/07/11 20:07	DC	TAL BUF
Total/NA	Prep	7470A			29946	09/02/11 11:30	MM	TAL BUF
Total/NA	Analysis	7470A		1	30003	09/02/11 15:42	MM	TAL BUF
Total/NA	Prep	3005A			30009	09/06/11 09:20	JM	TAL BUF
Total/NA	Analysis	6010B		1	30380	09/07/11 11:24	LH	TAL BUF
Total/NA	Analysis	7196A		1	29902	09/02/11 03:06	KS	TAL BUF
Total/NA	Analysis	SM 2120B		4	30048	09/02/11 20:50	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	30057	09/02/11 19:21	ML	TAL BUF
Total/NA	Analysis	SM 5210B		1	30058	09/02/11 19:21	ML	TAL BUF
Total/NA	Analysis	9251		1	30079	09/03/11 09:58	PN	TAL BUF
Total/NA	Analysis	350.1		1	30088	09/03/11 15:13	KS	TAL BUF

Lab Chronicle

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Client Sample ID: TP-5

Lab Sample ID: 480-9266-1

Date Collected: 09/01/11 12:30

Matrix: Water

Date Received: 09/01/11 18:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1	30240	09/02/11 21:06	RL	TAL BUF
Total/NA	Analysis	9060		40	30407	09/07/11 12:36	KP	TAL BUF
Total/NA	Analysis	300.0		5	30426	09/08/11 23:19	RF	TAL BUF
Total/NA	Analysis	SM 2340C		1	30471	09/08/11 10:28	LRM	TAL BUF
Total/NA	Analysis	310.2		25	30557	09/08/11 11:29	PN	TAL BUF
Total/NA	Prep	Distill/Phenol			30348	09/07/11 18:25	KS	TAL BUF
Total/NA	Analysis	9066		1	30598	09/09/11 09:38	PN	TAL BUF
Total/NA	Prep	351.2			30493	09/08/11 09:50	PN	TAL BUF
Total/NA	Analysis	351.2		1	30629	09/09/11 09:28	PN	TAL BUF
Total/NA	Analysis	9038		1	30752	09/09/11 08:27	PN	TAL BUF
Total/NA	Analysis	410.4		1	30924	09/12/11 18:24	RL	TAL BUF
Total/NA	Prep	9012A			30738	09/10/11 15:45	AP	TAL BUF
Total/NA	Analysis	9012A		1	31149	09/13/11 09:56	LRM	TAL BUF

Client Sample ID: TP-7

Lab Sample ID: 480-9323-1

Date Collected: 09/02/11 11:00

Matrix: Water

Date Received: 09/02/11 16:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	31128	09/14/11 05:38	LH	TAL BUF
Total/NA	Prep	7470A			30144	09/06/11 10:55	MM	TAL BUF
Total/NA	Analysis	7470A		5	30213	09/06/11 15:55	MM	TAL BUF
Total/NA	Prep	3005A			30181	09/07/11 08:30	JM	TAL BUF
Total/NA	Analysis	6010B		1	30438	09/07/11 15:23	AH	TAL BUF
Total/NA	Analysis	SM 2120B		4	30048	09/02/11 20:52	KS	TAL BUF
Total/NA	Analysis	SM 5210B		1	30057	09/02/11 19:21	ML	TAL BUF
Total/NA	Analysis	SM 5210B		1	30058	09/02/11 19:21	ML	TAL BUF
Total/NA	Analysis	410.4		1	30222	09/06/11 19:18	RL	TAL BUF
Total/NA	Analysis	353.2		1	30240	09/02/11 21:06	RL	TAL BUF
Total/NA	Analysis	7196A		1	30242	09/02/11 23:15	RL	TAL BUF
Total/NA	Analysis	350.1		1	30293	09/07/11 13:32	KS	TAL BUF
Total/NA	Analysis	SM 2340C		1	30471	09/08/11 10:28	LRM	TAL BUF
Total/NA	Prep	Distill/Phenol			30350	09/07/11 23:46	KS	TAL BUF
Total/NA	Analysis	9066		1	30598	09/09/11 10:28	PN	TAL BUF
Total/NA	Analysis	300.0		10	30605	09/09/11 21:28	RF	TAL BUF
Total/NA	Prep	351.2			30493	09/08/11 12:20	PN	TAL BUF
Total/NA	Analysis	351.2		1	30629	09/09/11 09:48	PN	TAL BUF
Total/NA	Analysis	9038		10	30752	09/09/11 12:04	PN	TAL BUF
Total/NA	Analysis	9251		1	30753	09/09/11 11:15	PN	TAL BUF
Total/NA	Analysis	9060		10	30887	09/09/11 23:13	KP	TAL BUF
Total/NA	Analysis	310.2		50	31086	09/13/11 11:05	PN	TAL BUF
Total/NA	Prep	9012A			31259	09/14/11 11:00	AP	TAL BUF
Total/NA	Analysis	9012A		1	31428	09/15/11 12:15	LRM	TAL BUF

Lab Chronicle

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Certification Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia	West Virginia DEP	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Sealand Contractors Corp
 Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
 SDG: 9210

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010B	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
300.0	Bromide	40CFR136A	TAL BUF
310.2	Alkalinity	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
351.2	Nitrogen, Total Kjeldahl	MCAWW	TAL BUF
353.2	Nitrate	EPA	TAL BUF
410.4	COD	MCAWW	TAL BUF
7196A	Chromium, Hexavalent	SW846	TAL BUF
9012A	Cyanide, Total and/or Amenable	SW846	TAL BUF
9038	Sulfate, Turbidimetric	SW846	TAL BUF
9060	Organic Carbon, Total (TOC)	SW846	TAL BUF
9066	Phenolics, Total Recoverable	SW846	TAL BUF
9251	Chloride	SW846	TAL BUF
SM 2120B	Color, Colorimetric	SM	TAL BUF
SM 2340C	Hardness, Total	SM	TAL BUF
SM 5210B	BOD, 5-Day	SM	TAL BUF

Protocol References:

- 40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
- EPA = US Environmental Protection Agency
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- SM = "Standard Methods For The Examination Of Water And Wastewater",
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

- TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600



Sample Summary

Client: Sealand Contractors Corp
Project/Site: Carroll Landfill Expansion Application

TestAmerica Job ID: 480-9210-1
SDG: 9210

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-9210-1	Leachate Seep	Water	08/31/11 15:00	09/01/11 17:55
480-9266-1	TP-5	Water	09/01/11 12:30	09/01/11 18:50
480-9323-1	TP-7	Water	09/02/11 11:00	09/02/11 16:00

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Login Sample Receipt Checklist

Client: Sealand Contractors Corp

Job Number: 480-9210-1

SDG Number: 9210

Login Number: 9210

List Number: 1

Creator: Wienke, Robert

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	daigler eng
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Sealand Contractors Corp

Job Number: 480-9210-1

SDG Number: 9210

Login Number: 9266

List Number: 1

Creator: Robitaille, Zach L

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.	False	18.1
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.	False	
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	Daigler Engineering
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Sealand Contractors Corp

Job Number: 480-9210-1

SDG Number: 9210

Login Number: 9323

List Number: 1

Creator: Janish, Carl

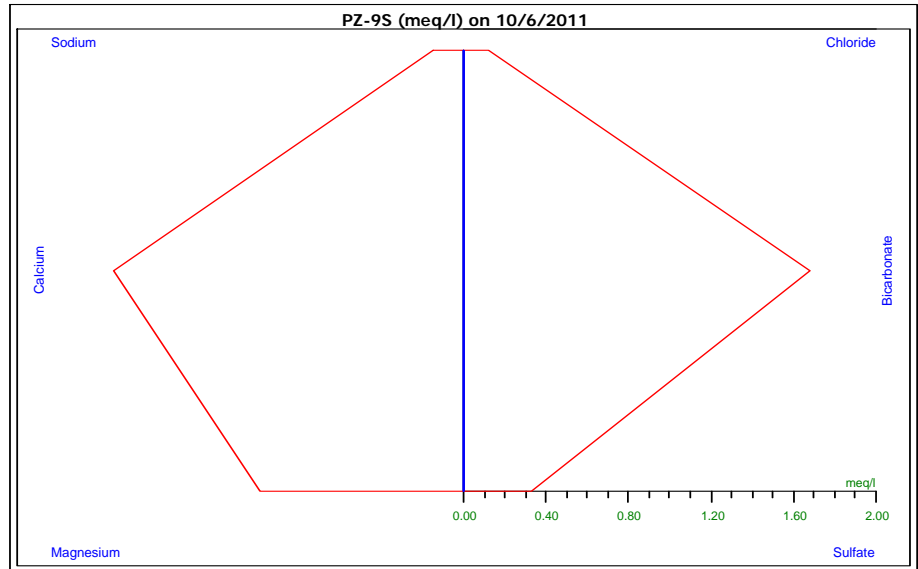
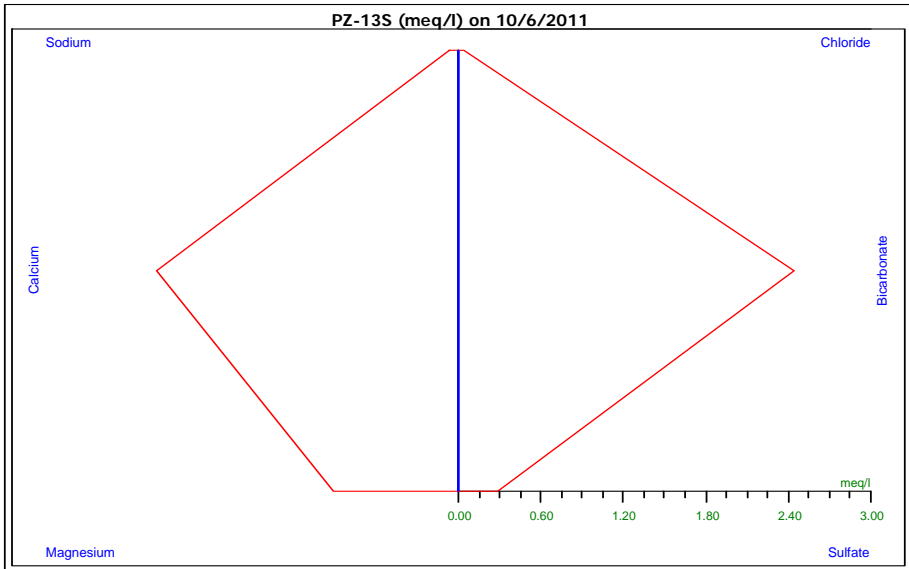
List Source: TestAmerica Buffalo

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.	False	
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

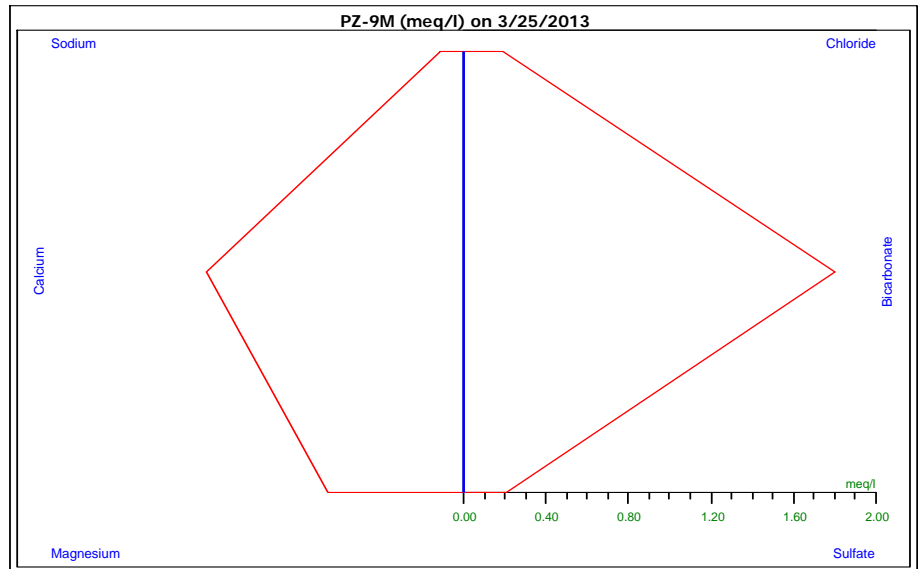
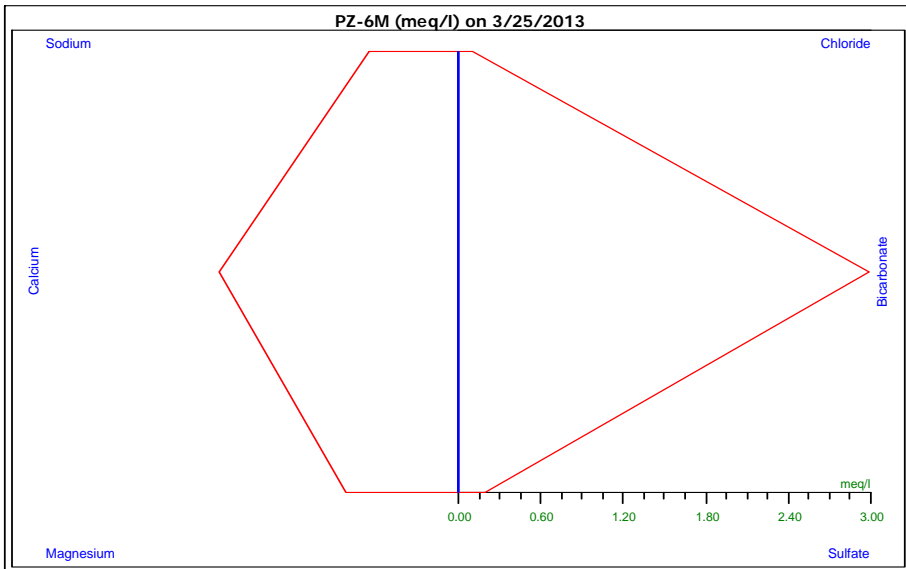
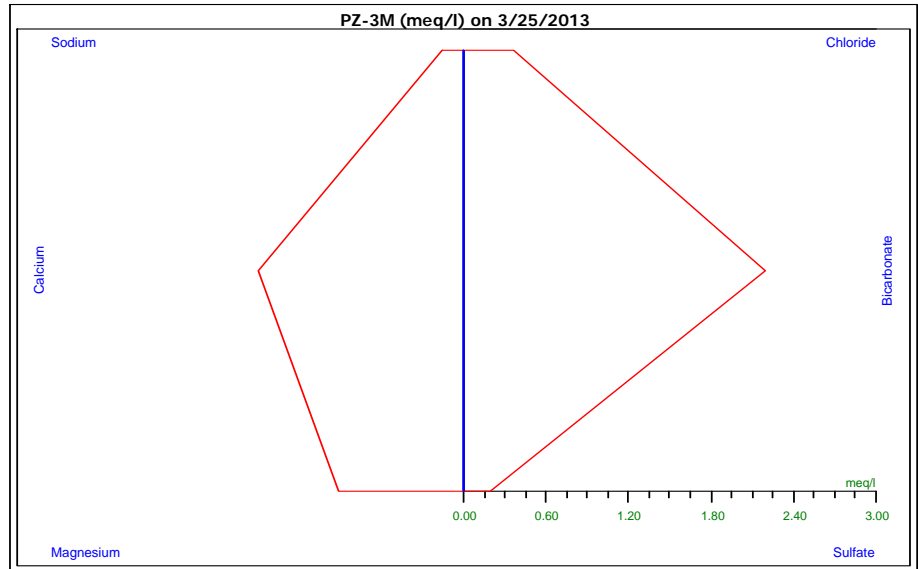
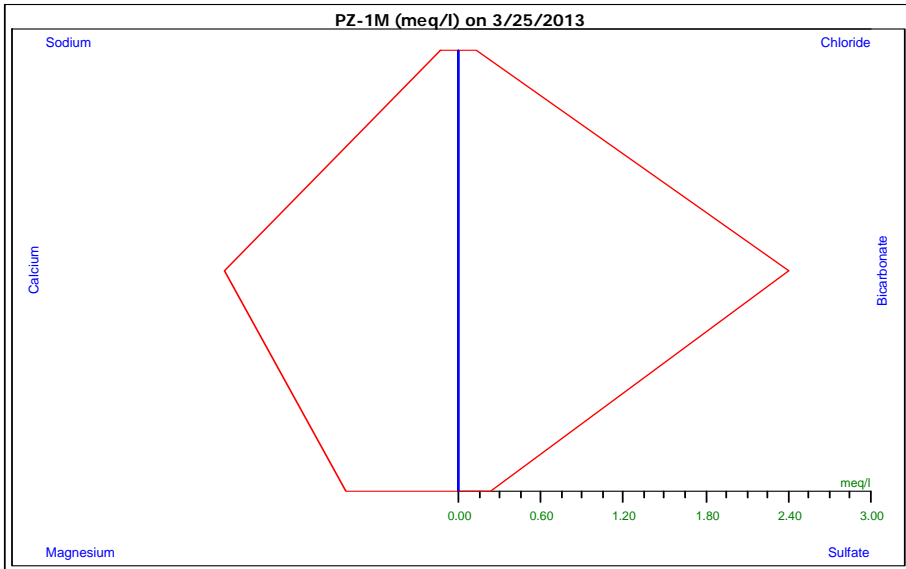


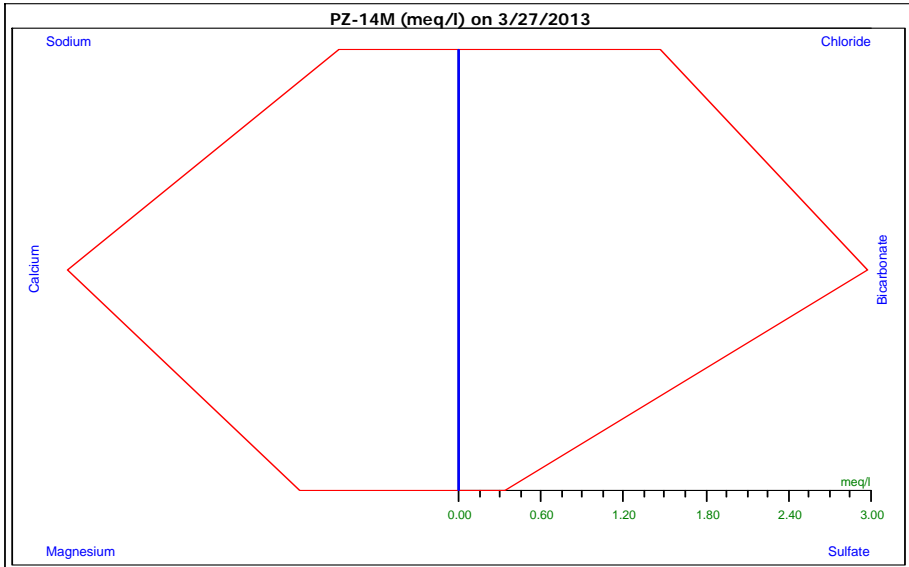
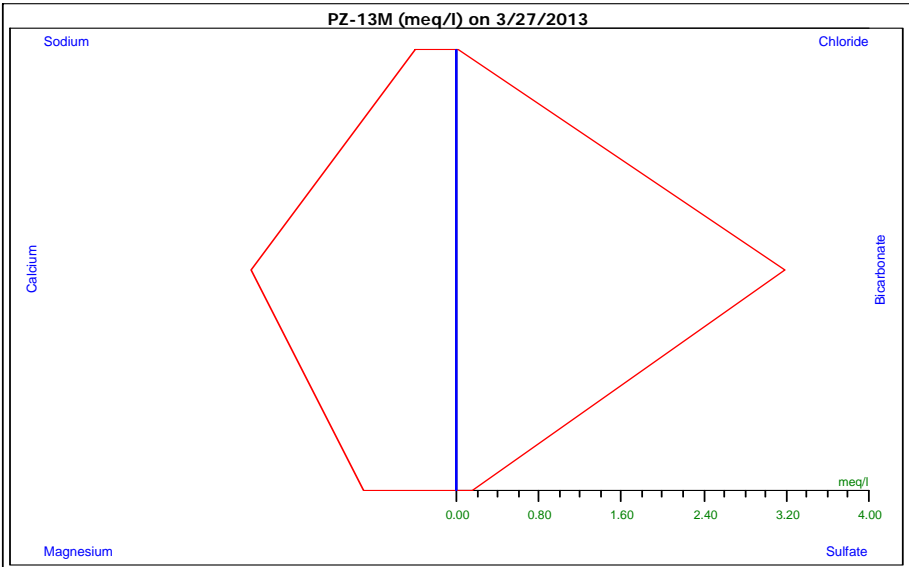
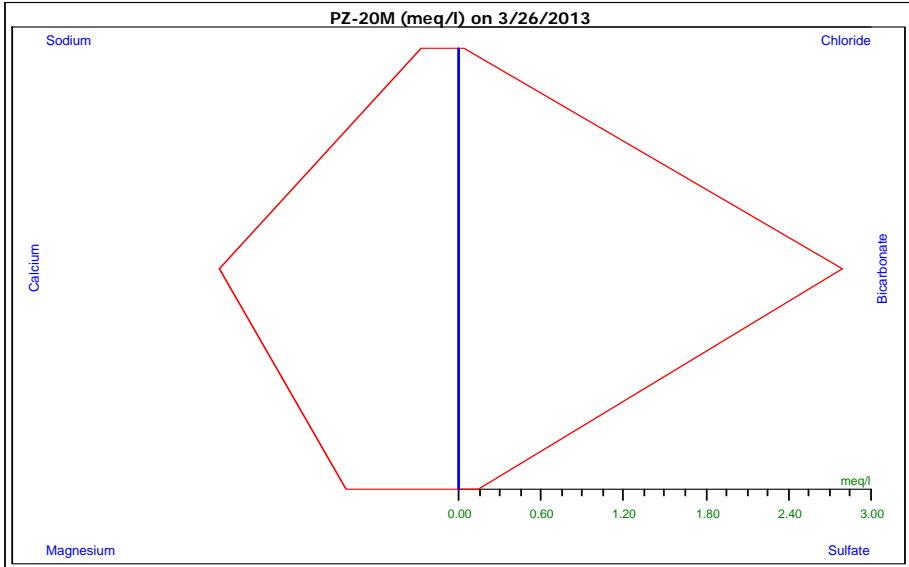
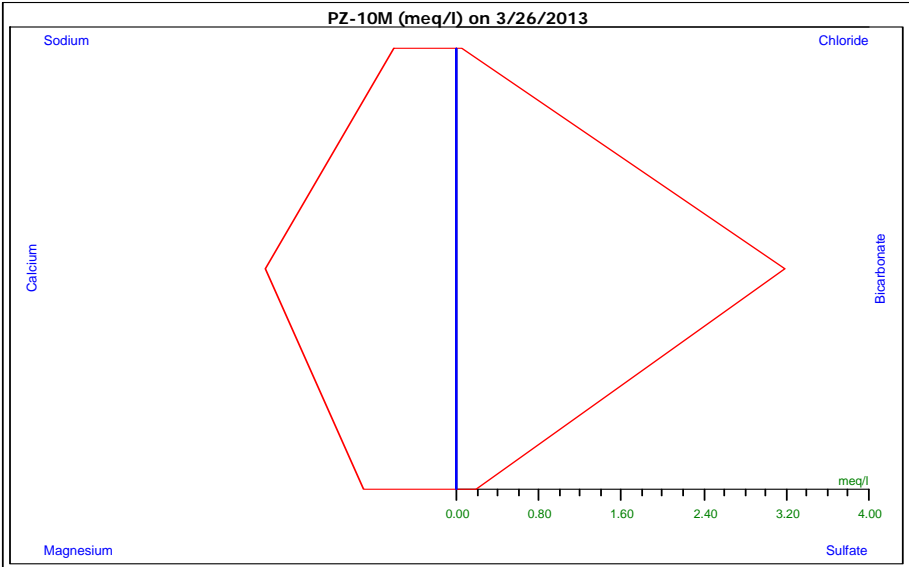
APPENDIX E
Stiff Diagrams

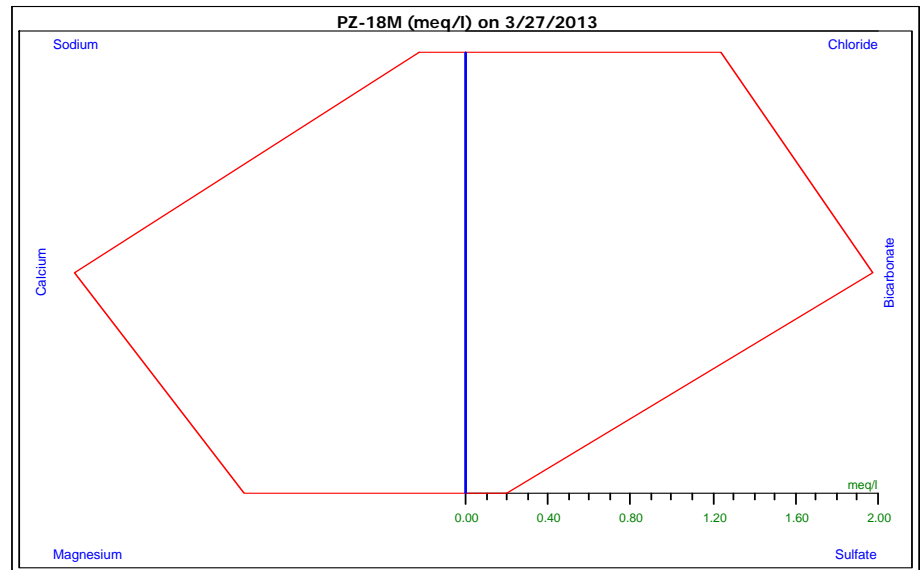
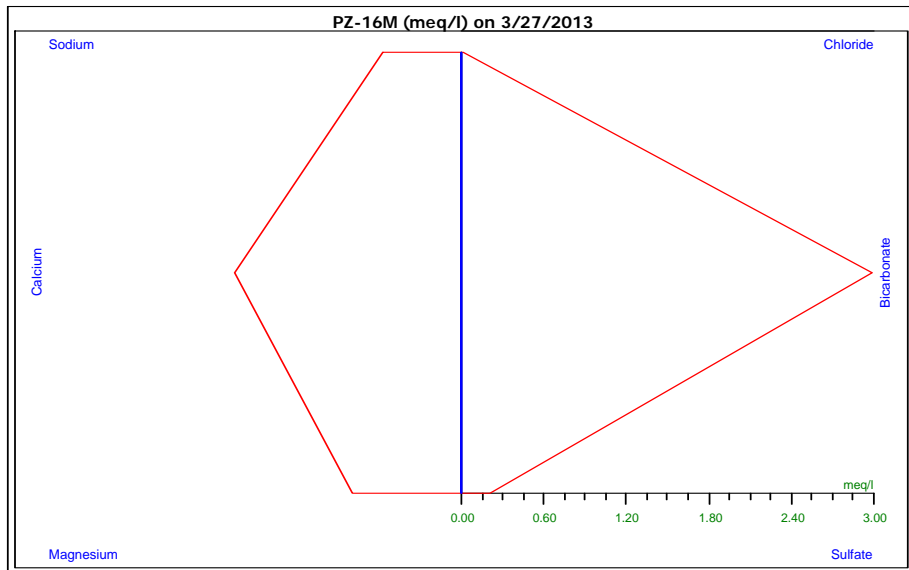
SHALLOW WELL STIFF DIAGRAMS



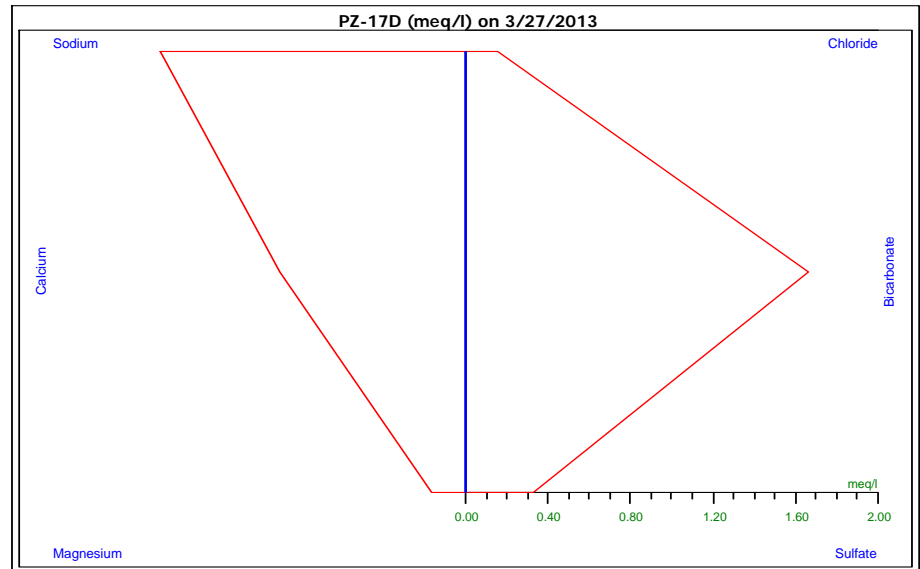
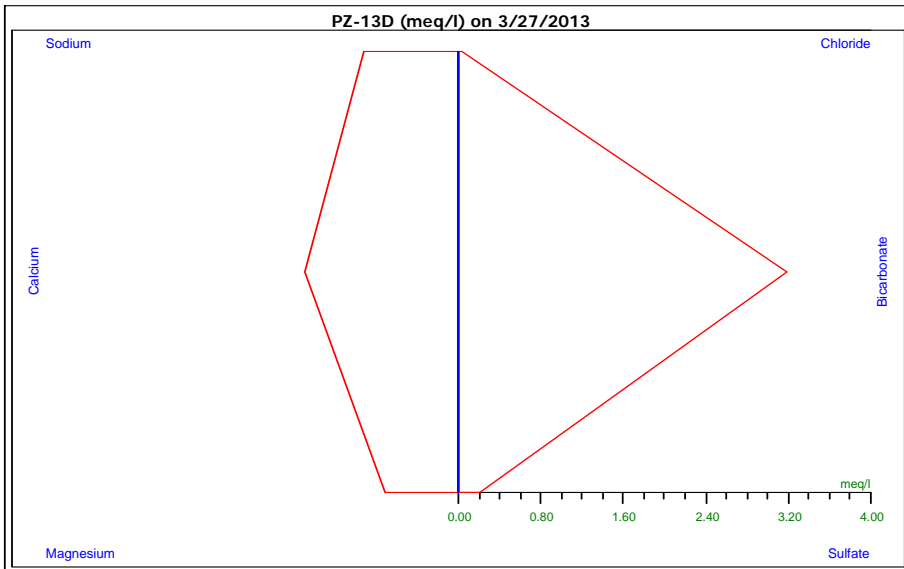
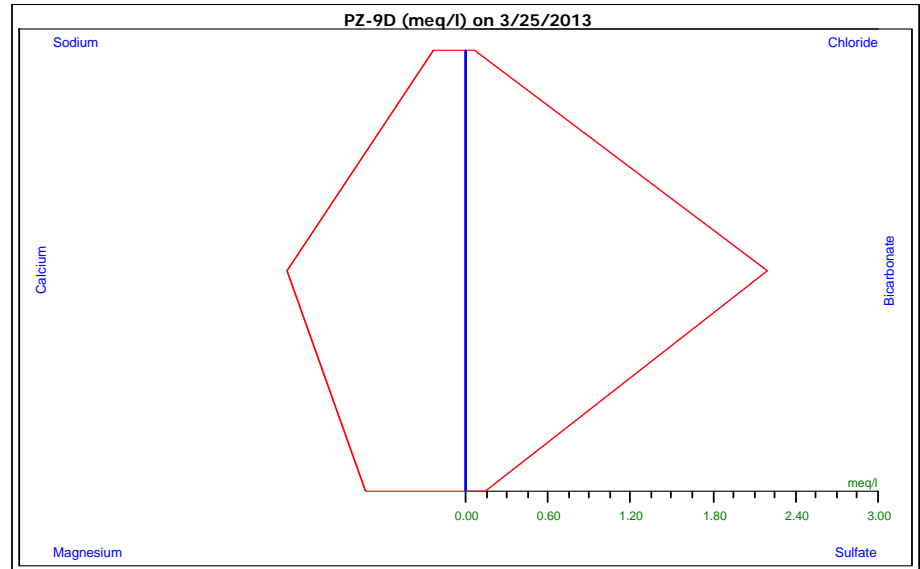
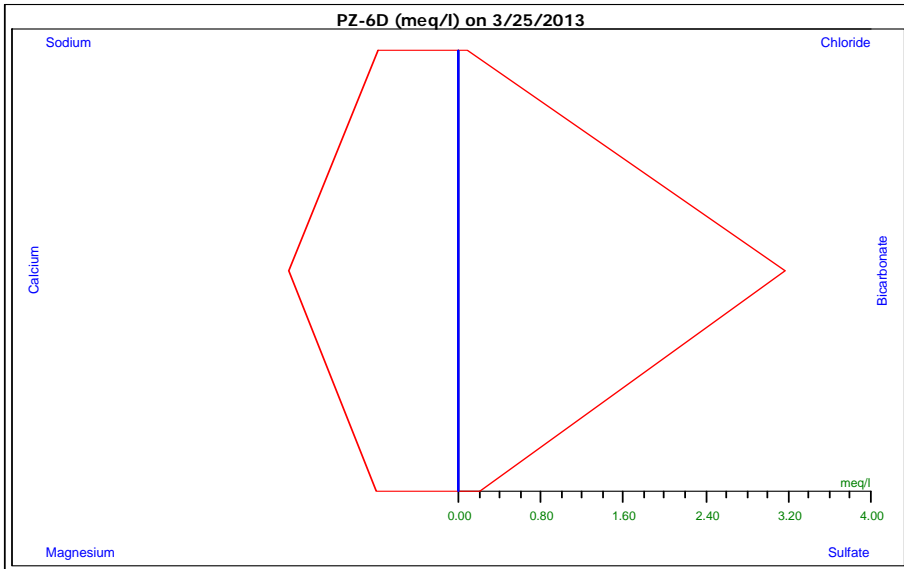
MEDIUM WELL STIFF DIAGRAMS

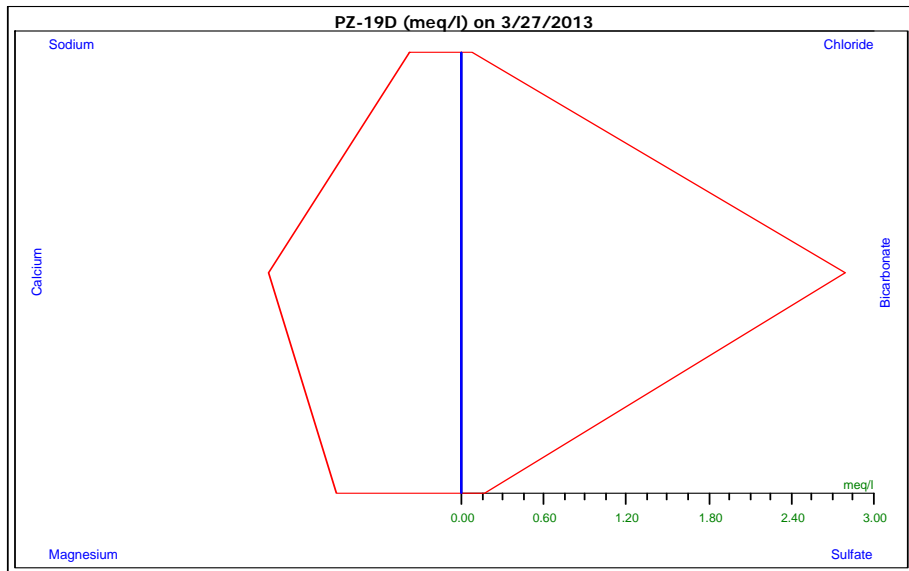




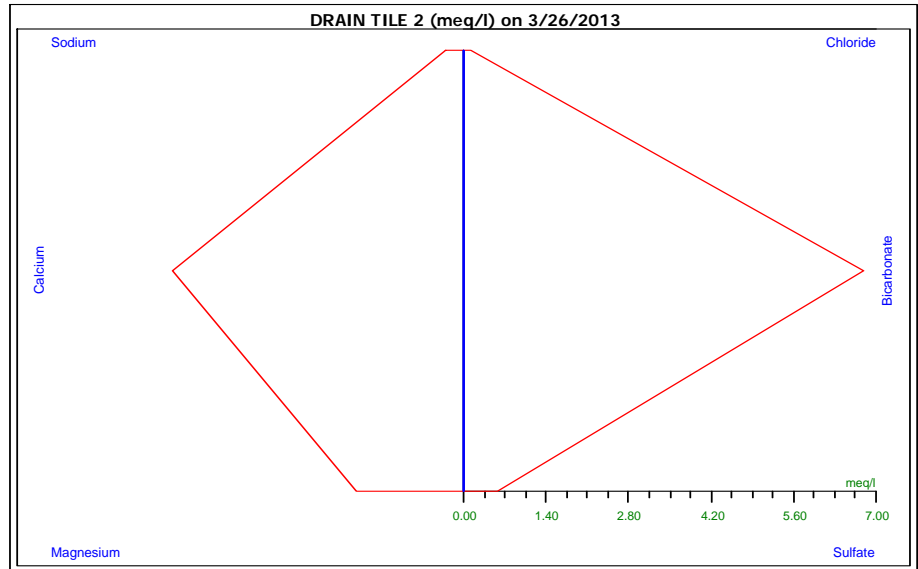
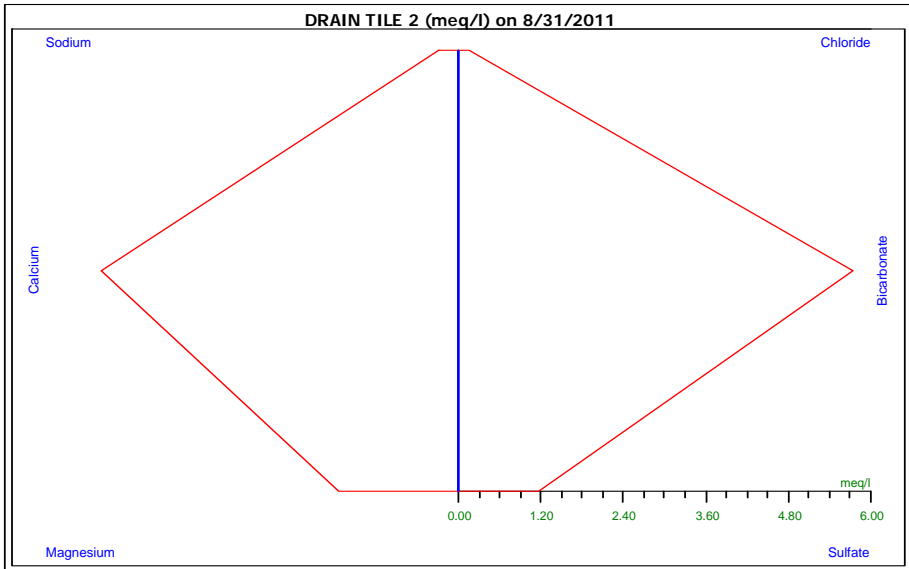


DEEP WELL STIFF DIAGRAMS





DRAIN TILE 2 STIFF DIAGRAMS



LEACHATE STIFF DIAGRAMS

