June 1, 2016

Mr. Kevin Gregory
Director, Consultant Management Bureau
NYS Dept. of Transportation
POD # 33
50 Wolf Road
Albany, NY 12232

Attention: Mr. Michael Tegza

Re: PIN 8806.51.101 Harrison Landfill Area (#360065)
Harrison Sub-Residency
Westchester County, New York

Dear Mr. Tegza:

The following letter report summarizes the field investigative procedures and results of the sampling, conducted by HDR Engineering, Inc. (HDR) on behalf of the New York State Department of Transportation (DOT) at the above referenced site (Figure 1). The site, once a seasonal highway maintenance support and salt storage facility operated by the NYSDOT, is now occupied by the Town of Harrison. The site includes approximately 2.6 acres of landfill area (Figure 2) that was closed in December 1998.

The objectives of the post-closure sampling and monitoring program are to 1) evaluate the environmental impacts of the landfill, if any; 2) meet the post-closure monitoring requirements of the New York State Department of Environmental Conservation (NYSDEC) and; 3) provide the NYSDEC with data to evaluate and/or modify the existing sampling and monitoring program. The sampling was conducted in accordance with our scope of work, which was approved by DOT via email on January 7, 2016. The scope of work was developed in accordance with the NYSDOT *Operation and Maintenance Plan for the Harrison Sub-Residency, Landfill and Petroleum Spill Area, February 2010*. Currently the post-closure sampling and monitoring program is performed every fifth quarter.

Field Investigative Procedures

Groundwater monitoring at the site was performed to meet the monitoring requirements of the NYSDEC relating to the Harrison Landfill Area (#360065). A discussion of the groundwater data from the groundwater monitoring wells is presented in this report.

In April 2016, HDR collected samples from the groundwater wells, sediment and surface water locations and air monitoring points to monitor the Harrison Landfill Area (Figure 2). HDR obtained samples from five groundwater monitoring wells (PC-1, PC-2, PC-3, LMW-2, and LMW-4) and four co-located surface water/sediment locations (SW/SD-1, SW/SD-2, SW/SD-3, and SW/SD-4) for chemical analysis. Additionally, four air monitoring points (GV-1, GV-2, GV-3, GV-4) as well as each of the four property lines (NPL, EPL, SPL, and WPL) were inspected and monitored using air quality instrumentation. Sampling information is included on sampling logs provided as Attachment A.

Prior to commencement of sampling, a round of static water level and total depth measurements were collected from all monitoring wells and field instrumentation was calibrated according to the respective manufacturer's standards. HDR also conducted a visual inspection of the groundwater monitoring well casings and well heads to note any signs of damage or tampering as well as an inspection of the landfill cap (for signs of vector/vermin) and the perimeter drainage swales. No evidence of vector/vermin was apparent. Some ruts, approximately 5 inches deep, were observed in the landfill cap heading in the direction of LMW-4.

Groundwater samples were collected from the following five (5) monitoring wells listed below with regard to their relationship to the landfill and also shown on Figure 3:

On-Site/Site Background	On-Site/Downgradient	Off-Site/Downgradient
LMW-2	LMW-4	PC-3
	PC-1	
	PC-2	

Each well was purged of three well volumes or until dry using a Whale pump equipped with a Rheostat (for adjustable flow), in-line flow cell, and dedicated tubing, where possible. Monitoring well PC-2 is bent, allowing neither a Whale pump nor a bailer to be used for sampling; therefore, a peristaltic pump with dedicated tubing was used to both purge at a low rate, and sample this well. Field parameters of temperature, turbidity, dissolved oxygen (DO), pH, specific conductivity, total dissolved solids, salinity, and oxidation-reduction potential (Eh) were collected during purging and sampling at each well (see Attachment A). The monitoring wells were sampled once they recovered to approximately 75% of their initial volume or within 2 hours, whichever came first. Groundwater samples were collected for contract laboratory analysis from each location using a dedicated bailer. Samples were transferred to clean, pre-preserved (as necessary) laboratory-supplied containers for analysis of target compound list (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), and target analyte list (TAL) metals (filtered only), including cyanide and chloride. Metals samples were filtered and preserved by the laboratory.

One (1) groundwater field duplicate was collected from monitoring well PC-1 and one (1) trip blank was submitted. The duplicate sample was collected at the same time and for the same landfill parameters as the parent sample. The duplicate sample was given a "fictitious" sample ID (PC-10) as to not indicate to the laboratory that it was a duplicate sample.

Surface water (SW)/Sediment (SD) samples were collected from the following four (4) locations listed below with regard to their relationship to the landfill and also shown on Figure 4:

On-Site/Site Background	On-Site/Downgradient	Off-Site/Downgradient
SW/SD-1	SW/SD-2	SW/SD-4
	SW/SD-3	

Prior to sample collection, approximate stream flow and stream depth were recorded. A surface water sample was collected from each respective location first, in order to minimize sample turbidity, using a clean stainless steel ladle. Between sampling locations all sample equipment was decontaminated using DI water and liquniox. SW-1 was collected from a point located at the eastern section of wetlands B. SW-2 was collected from a point located at the northeastern section of wetlands A. SW-3 was collected from a point located at the south end of Wetland A, just up gradient of the pond. SW-4 was collected from a point located just northeast of the 36-in. reinforced concrete pipe (RCP) culvert that diverts the stream southwest under Route 120 to Rye Lake. Field parameters of temperature, turbidity, DO, pH, and specific conductivity were collected during sampling at each location (see Attachment A). Following collection of the surface water sample, a sediment sample was collected from the same general area as the surface water sample using a clean stainless steel trowel. Surface water and sediment samples were transferred to clean, pre-preserved (as necessary) laboratory-supplied containers for contract laboratory analysis of TCL VOCs, TCL SVOCs, and TAL metals (unfiltered only), including cyanide and chloride.

One (1) surface water field duplicate was collected from location SW-1 and one (1) trip blank was submitted. The duplicate sample was collected at the same time and for the same surface water parameters as the parent sample. The duplicate sample was given a "fictitious" sample ID (SW-10) as to not indicate to the laboratory that it was a duplicate sample. A field blank was collected using laboratory supplied de-ionized (DI) water on a decontaminated trowel (used to collect sediment samples). The field blank was conducted by pouring the DI water over the trowel and then into the sample jars. The field blank was analyzed for the same set of parameters analyzed for the sediment samples.

Gas monitoring was conducted at each of the four (4) gas vents (GV-1 through GV-4) and along the perimeter of the property line, as shown on Figure 5, to verify that any gases, produced as a result of the natural decomposition of waste, do not pose a hazard to health or safety. Prior to collecting measurements at each location, ambient readings were recorded. Each location was monitored for methane and other explosive gases with a combustible gas indicator (CGI). Gas vent readings were obtained by inserting the instrument detector probe into the vent. The CGI was set to sound an alarm if the readings exceeded 10% of the lower explosive limit (LEL) of methane. In addition, alarms were set at 10% of the LEL of hydrogen sulfide, 25 parts per million (ppm) of carbon monoxide and 19.5% and 23.5% of oxygen. A photoionization detector (PID) and a flame ionization detector (FID) were used to monitor for VOCs around the perimeter of the landfill and at each of the four gas vents.

Results

Groundwater samples were analyzed in accordance with the National Environmental Laboratory Accreditation Program (NELAP). The results were compared to the NYSDEC Class GA standards or guidance values (GV) and are summarized on Table 1. Field parameters for temperature, pH, specific conductance, dissolved oxygen, total dissolved solids, salinity, oxidation-reduction potential, and turbidity are provided on the groundwater well sampling logs included in Attachment A. A copy of the analytical laboratory data is presented in Attachment B. (Note that the Harrison Sub-Residency landfill area was sampled concurrently with the spill site (Spill #94-07349); therefore, one of the data packages includes results from both sample sites.)

There were no detectable concentrations of VOCs with the exception of acetone in one sample, which is a common laboratory contaminant. There were no detectable concentrations of SVOCs, only estimated concentrations of tentatively identified compounds (TICs), unknowns.

There were no detectable concentrations of any Resource Conservation and Recovery Act (RCRA) metals in exceedance of the respective groundwater standards or background ranges, where available. Detectable concentrations of four non-RCRA metals (cobalt, iron, manganese and sodium) exceeded their respective groundwater standards and/or background ranges, where available. Cobalt was detected at a concentration of 13 ug/l in the sample collected from LMW-4. Although a Class GA standard has not been established, this concentration exceeds the background range of < 10 ppb for cobalt. Iron was detected at the on-site/downgradient wells LMW-4 and PC-2 at concentrations of 59,000 and 35,000 ug/l, respectively, which exceed the Class GA standard of 300 and the natural ambient groundwater range of 10 to 10,000 ppb for iron. Manganese was detected at on-site/downgradient wells LMW-4 and PC-2 and

the off-site/downgradient well PC-3 at concentrations of 9,800 ug/l, 9,800 ug/l, and 330 ug/l, respectively, which exceed the Class GA Standard of 300 ug/l but are within the natural ambient groundwater range of <1 to 10,000 ppb for manganese. Sodium was detected at all sampling locations at concentrations ranging from 20,000 ug/l at the on-site/upgradient well LMW-2 to 78,000 ug/l in the off-site/downgradient well PC-3. All concentrations exceeded the Class GA standard of 20,000 ug/l but were within the natural ambient groundwater range of 500 to 120,000 ppb for sodium. The remaining metals sample results were either not detected at the respective analytical reporting limits or were less than available NYSDEC standards or guidance values.

Chloride and cyanide were not detected above their respective Class GA standards in any of the groundwater samples collected.

Surface water samples were collected and analyzed in accordance with NELAP. Analytical results are presented in Table 2. Surface water results were compared to both NYSDEC Ambient Water Quality Class GA Groundwater Standards and Guidance Values and NYSDEC Class A Surface Water Standards and Guidance Values, where available, as these water bodies are tributaries to the Kensico Reservoir, which is a source of drinking water. Class A standards are available for surface water as a source of drinking water H(WS), human consumption of fish H(FC), fish propagation A(C), fish survival A(A), protection of wildlife (W), and aesthetics (E). Select standards rely on sample specific conditions (i.e., hardness concentrations) and therefore were not included. Where appropriate, the most conservative standard or guidance value was used for comparison purposes. Field parameters for temperature, pH, specific conductance, total dissolved solids, salinity, and turbidity are provided on the surface water sampling log included in Attachment A. A copy of the analytical laboratory data is presented in Attachment B.

There were no detectable concentrations of VOCs or SVOCs in any of the samples collected. Estimated levels of SVOC TICs, unknowns, were reported.

There were no detectable concentrations of any RCRA metals in exceedance of available standards or GVs. Detectable concentrations of four non-RCRA metals (iron, manganese, and sodium) exceeded their respective Class A and/or Class GA standards or GVs. Iron was detected at SW-3 at a concentration of 310 ug/l, which exceed the Class GA and Class A standard for fish propagation and fish survival of 300 ug/l but is within the natural ambient groundwater range of 10 to 10,000 ppb. Manganese was detected at the on-site/upgradient sample location SW-1 at a concentration of 400 ug/l. The concentration detected exceeds the Class GA and Class A aesthetic standard of 300 ug/l but is within the natural ambient groundwater range of less than 1 to 1,000 ppb. Sodium was detected at on-site/downgradient

location SW-3 at a concentration of 76,000 ug/l, which exceeds the Class GA standard of 20,000 ug/l but is within the natural ambient groundwater range of 500 to 120,000 ppb. Results for the remaining metals analyzed were either non-detect at the respective analytical reporting limits, or less than the respective Class GA and/or Class A standards or guidance values.

Chloride and cyanide were not detected above their respective, available standards in any of the surface water samples collected.

Sediment samples were collected and analyzed in accordance with NELAP. Analytical results are presented in Table 3 and were compared to the NYSDEC Technical Guidance for Screening Contaminated Sediments. The criteria for metals are given as Severe Effect Level (SEL) and Lowest Effect Level (LEL). According to this guidance, a sediment sample is considered contaminated if either criterion is exceeded. If both criteria are exceeded, the sediment sample is considered to be severely impacted. If only the LEL criterion is exceeded, the impact is considered moderate. Sample depths and field observations are provided on the sediment sampling log included in Attachment A. A copy of the analytical laboratory data is presented in Attachment B.

Sediment screening criteria for organic compounds are based upon the amount of organic carbon, or total organic carbon (TOC), in an individual sample. Since the sediment samples collected were not analyzed for TOC, a direct comparison cannot be made and the criteria are therefore used only for relative comparison purposes. For purposes of this report the sediment screening criteria relative to fresh water and human health were used. There were no detectable concentrations of VOCs in the sediment samples collected. Trace amounts of polycyclic aromatic hydrocarbon (PAH) SVOCs including benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, chrysene, fluoranthene, indeno[1,2,3-cd]pyrene, and/or pyrene were detected in the samples collected from the on-site/site background location SD-1, SD-2, and SD-3. Additionally, estimated levels of SVOC TICs, unknowns, were identified in all four sediment samples.

Metals detected in exceedance of the respective LEL and/or SEL include arsenic, cadmium, chromium, copper, iron, lead, manganese, nickel, and zinc. The concentration of arsenic detected at SD-2 was 12 mg/kg, which exceeded the LEL of 6 mg/kg but was less than the SEL of 33 mg/kg. The concentration of cadmium detected at SD-3 was 2.6 mg/kg, which exceeded the LEL of 0.6 mg/kg but was less than the SEL of 9 mg/kg. The concentrations of chromium detected at SD-1, SD-2, and SD-3 were 52, 47, and 32 mg/kg, respectively, which exceeded the chromium LEL of 26 mg/kg but were less than the SEL of 110 mg/kg. The concentrations of copper detected at SD-1, SD-2, and SD-3 were 50, 97, and 46 mg/kg, respectively, which

exceed the copper LEL of 16 mg/kg but are less than the SEL of 110 mg/kg. The concentrations of iron detected at SD-1, SD-2, and SD-3 at 43,000, 110,000, and 43,000 mg/kg, respectively, exceed the iron SEL of 40,000 mg/kg. The concentrations of lead detected at SD-2 and SD-3 were 120 and 91 mg/kg, respectively, which exceed the lead LEL of 31 mg/kg. The concentration detected at SD-2 is also greater than the SEL of 110 mg/kg. The concentrations of manganese detected at SD-1, SD-2, SD-3, and SD-4 were 1,100, 41,000, 870, 1,100 mg/kg, respectively. These results exceed the manganese LEL of 460 mg/kg and also with the exception of the result obtained from SD-3exceed the SEL of 1,100 mg/kg. The concentrations of nickel detected at SD-1, SD-2, SD-3, and SD-4 were 40, 65, 39, and 18 mg/kg, respectively, which exceed the nickel LEL of 16 mg/kg. The concentration detected at SD-2 also exceeds the SEL of 50 mg/kg. The concentrations of zinc detected at SD-1, SD-2, and SD-3 were 130, 590, and 170 mg/kg, respectively, which exceed the zinc LEL of 120 mg/kg. The concentration detected at SD-2 also exceeds the SEL of 270 mg/kg. The remaining results were either not detected at the respective analytical reporting limits or were less than criteria, where available.

Gas monitoring results revealed no readings that exceeded the percent LEL for methane and preset alarm levels for hydrogen sulfide, carbon monoxide and oxygen. PID and FID readings were generally consistent with background readings with the following exception. FID readings were collected with and without a methane filter. Respective FID readings from gas vents GV-2 and GV-4 were low level and also comparable with and without the methane filter indicating that low levels of methane are present and not many other VOCs (since nothing was detected with the PID).

QAQC sampling was conducted as discussed above. There were no detectable concentrations in the trip blank or field blank samples collected. A duplicate sample was collected from groundwater monitoring well PC-1. The relative percent difference (RPD) was calculated for the sample collected from PC-1 and its duplicate sample (Table 4), PC-10, using the following formula:

$$\% \text{ RPD} = \frac{X_1 - X_2}{(X_1 + X_2)/2} * 100\%$$

where, X1 is the original value (PC-1), and
X2 is the duplicate value (PC-10)

RPD was not calculated for results where one or both samples were non-detect. For the remaining groundwater analytical results the RPDs were all less than 15%. The results of the RPD calculation indicate the results are within precision standards for both sampling and laboratory protocols.

A duplicate sample was collected from surface water location SW-1. The RPD was calculated for the sample collected from SW-1 and its duplicate sample (Table 5), SW-10, using the same formula above.

RPD was not calculated for results where one or both samples were non-detect. For the remaining analytical results the RPDs were all less than 15% indicating the results are within precision standards for both sampling and laboratory protocols.

Conclusions and Recommendations

Groundwater analytical results revealed elevated levels, greater than the respective Class GA standards or GVs, of the non-RCRA metals sodium, iron, and manganese in the filtered results obtained at one or more of the downgradient well locations. Elevated sodium concentrations were also detected in the on-site/upgradient well as well as the off-site/downgradient well. Concentrations of iron and manganese in the downgradient/on-site wells are greater than the concentrations detected in the upgradient/site background well, LMW-2, which would indicate some contribution from the landfill. Iron was not detected in the downgradient/off-site monitoring well (PC-3) and manganese was detected at a concentration an order of magnitude less, indicating any potential contribution of these metals to off-site groundwater from the landfill is not significant. In addition, cobalt, which does not have a Class GA standard, was detected at one downgradient sample location in exceedance of the natural ambient groundwater range. The remaining groundwater sample results were either non-detect or less than the respective NYSDEC Class GA standards or GVs, where available.

Surface water analytical results for one respective sample each revealed elevated levels of the non-RCRA metals iron and sodium in the downgradient sample locations. The concentration of iron was comparable to that found in the upgradient/site background location; however, the concentration of sodium was much higher than that found in the upgradient/site background location indicating some potential contribution from the landfill. In addition, an elevated concentration of manganese was detected in the upgradient/site background sample location, indicating a contribution from an upgradient/off-site source and not necessarily a release from the landfill. The remaining surface water sample results were either non-detect or less than the respective NYSDEC Class GA and/or Class A standards or guidance values.

Sediment analytical results revealed elevated levels of the metals arsenic, cadmium, chromium, copper, iron, lead, manganese, nickel, and zinc at both the upgradient/site background location and/or one of the downgradient/on-site sediment sample location. Concentrations of many of these metals in the downgradient/on-site locations were detected at levels greater than the concentrations detected in the upgradient/site

background location, SD-1, which would indicate some contribution from the landfill. There were no detectable concentrations of VOCs that exceeded the available sediment criteria. Trace amounts of SVOCs were detected in the background sediment sample location and two of the downgradient locations. The remaining sediment sample results were either non-detect or less than the respective sediment criteria.

PID and FID readings at the gas vents and perimeter of the landfill were generally consistent with background levels with the exception of the FID results for GV-2 and GV-4, which revealed the presence of methane. As mentioned above, methane levels at the time of the monitoring event did not exceed the percent LEL. Therefore the readings are likely a result of the natural decomposition of waste and do not pose a hazard to health or safety.

At the request of NYSDOT after the 2013 sampling event, HDR had compiled databases for each sample media (groundwater, surface water and sediment) and prepared graphs to support evaluation of trends. The database and corresponding graphs were updated after the 2015 sampling event as well as for this current sampling event and can be found in Attachment C of this letter report. In general, the results received during the April 2016 sampling event are comparable to results that have been seen at the landfill during past sampling events. The results indicate that the landfill may locally contribute or have contributed to elevated levels of contaminants on-site; any potential contribution off-site is not significant. NYSDOT will continue to monitor the landfill on a fifth-quarterly basis.

If you have any questions or need additional information, please do not hesitate to contact me.

Very truly yours,

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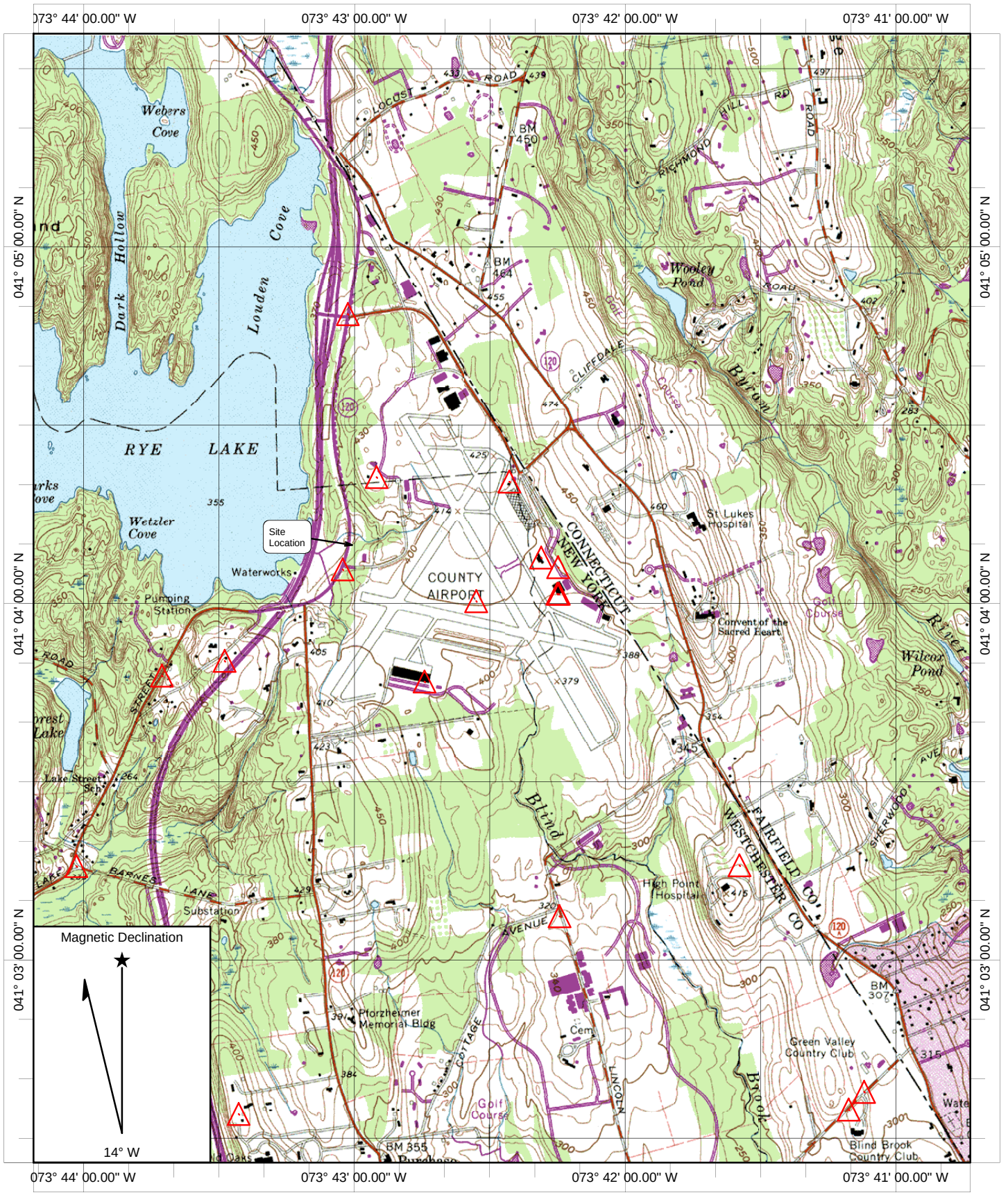
Melissa E. LaMacchia
Associate | Project Manager

cc: G. Fitzgerald, NYSDOT Region 8

Attachments

FIGURES



Map source: USGS 7.5 min. Quadrangle Series, Glenville, NY
Date: 1/23/2008

0 2000 ft
SCALE (ft)

Location: 041° 04' 00.92" N 073° 42' 27.38" W NAD 27

Copyright (C) 1997, Maptech, Inc.

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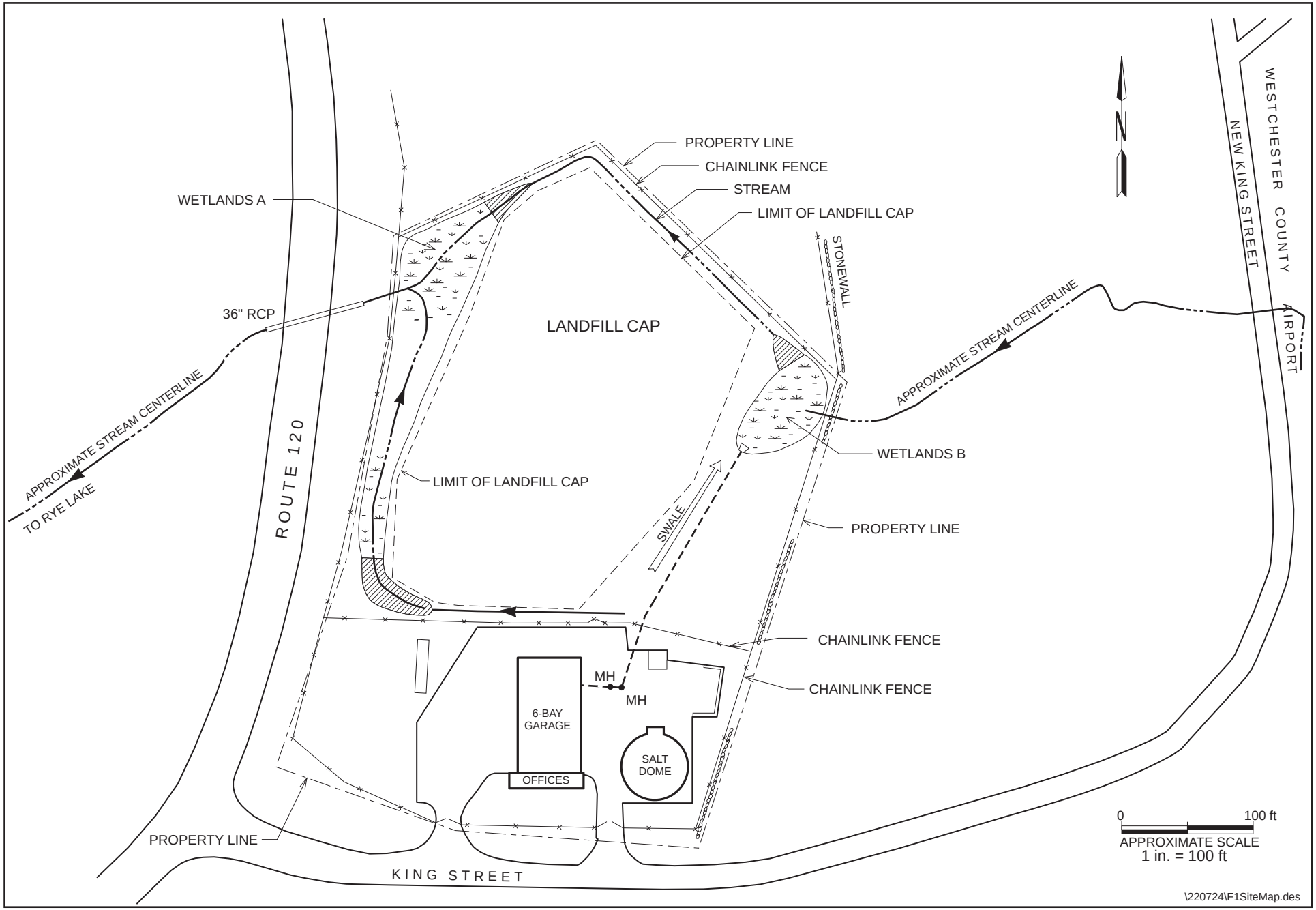
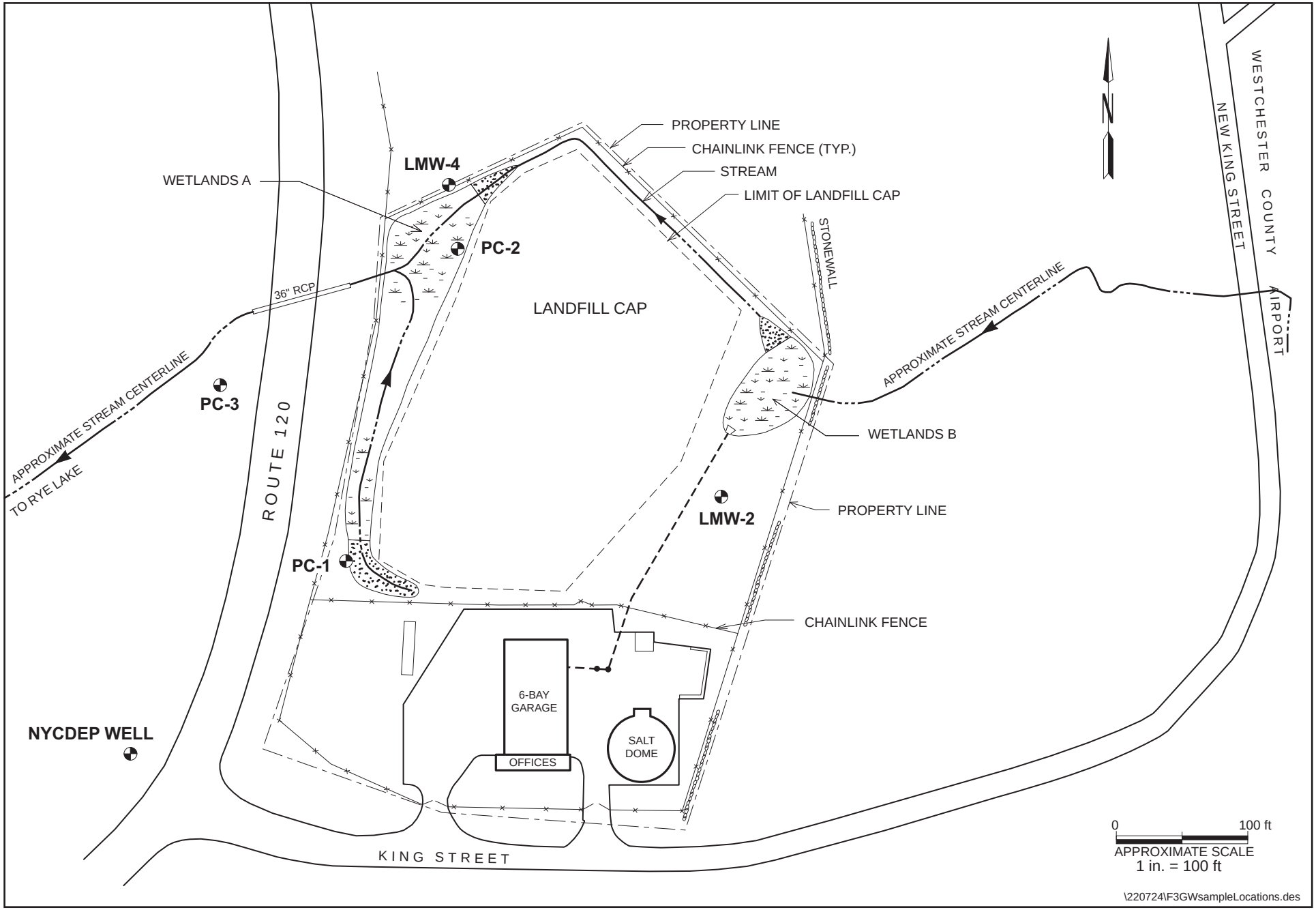
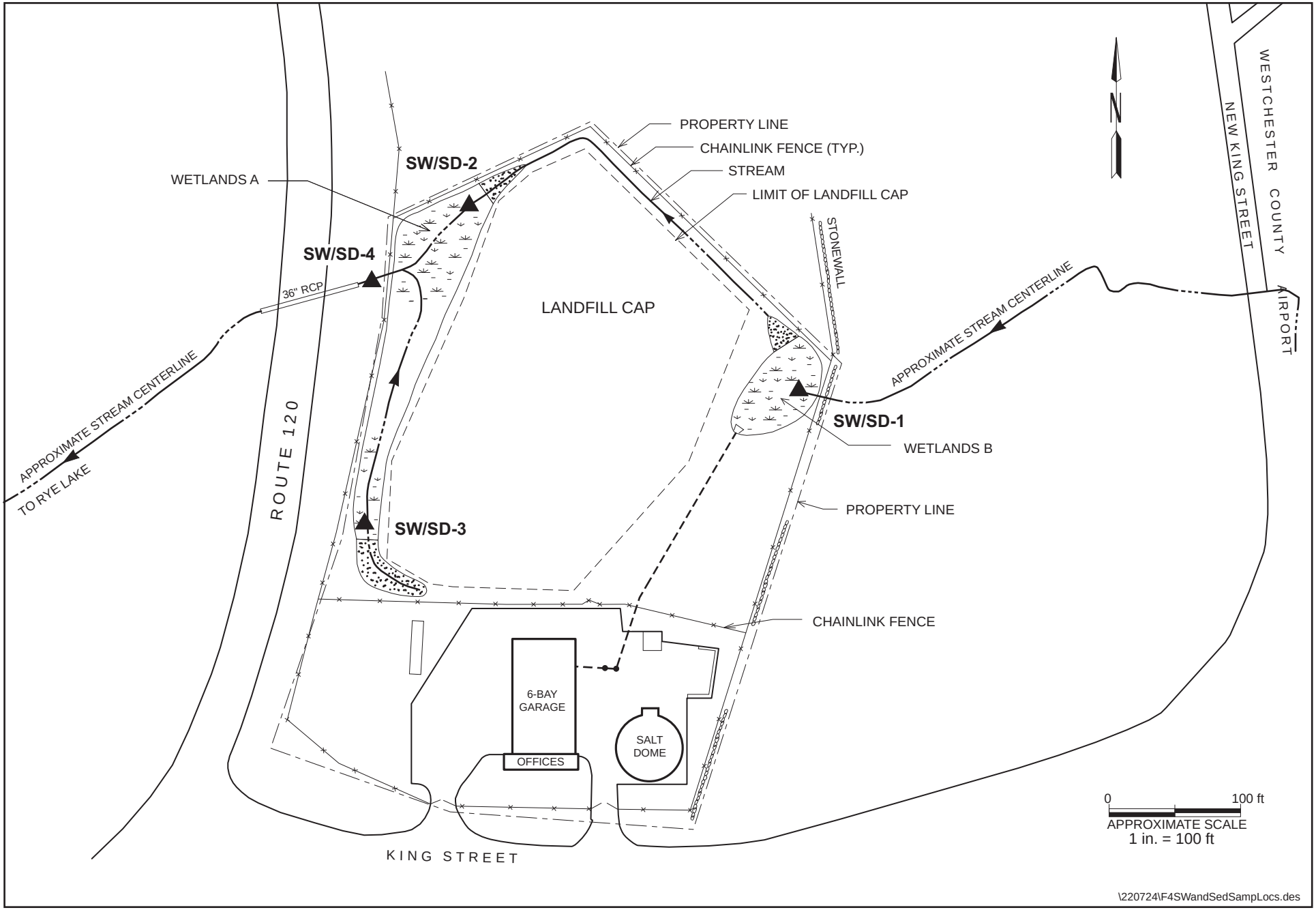
HDR Engineering, Inc. 1 International Blvd. Mahwah, NJ 07495	**Site Location** HARRISON SUBRESIDENCY POST-CLOSURE FIFTH QUARTERLY MONITORING REPORT NYSDOT PIN: 8806.51.301	**Figure 1**



HDR Engineering, Inc. 1 International Blvd. Mahwah, NJ 07495	**Site Map** **HARRISON SUBRESIDENCY POST-CLOSURE FIFTH QUARTERLY MONITORING REPORT**	**NYSDOT PIN: 8806.51.301**	**Figure 2**



HDR Engineering, Inc. 1 International Blvd. Mahwah, NJ 07495	**Groundwater Sample Locations** **HARRISON SUBRESIDENCY POST-CLOSURE FIFTH QUARTERLY MONITORING REPORT**	**NYSDOT PIN: 8806.51.301**	**Figure 3**



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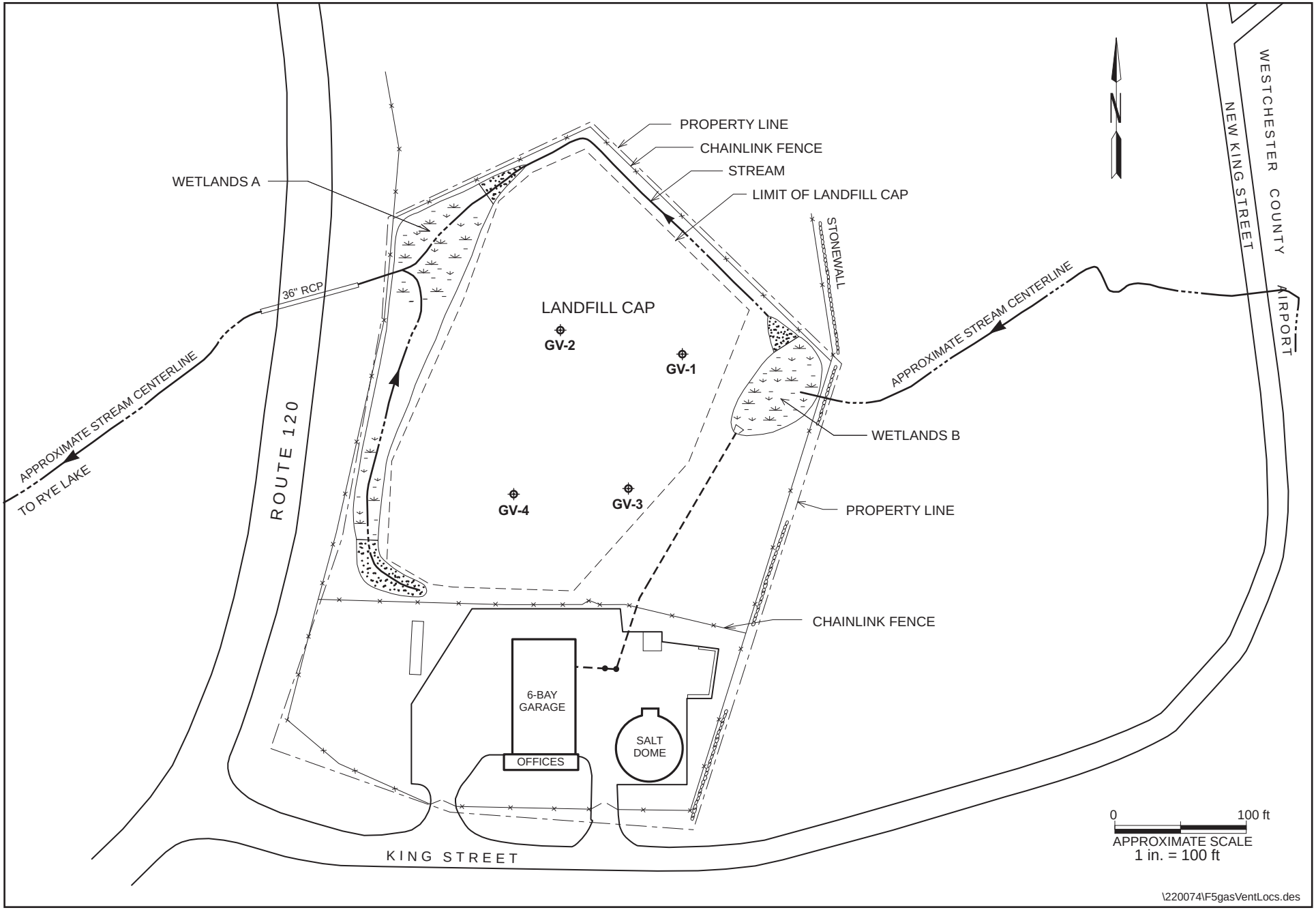
HDR Engineering, Inc. 1 International Blvd. Mahwah, NJ 07495	**Surface Water and Sediment Sample Locations** **HARRISON SUBRESIDENCY POST-CLOSURE FIFTH QUARTERLY MONITORING REPORT**	**NYSDOT PIN: 8806.51.301**	**Figure 4**



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HDR Engineering, Inc. 1 International Blvd. Mahwah, NJ 07495	**Gas Vent Locations** **HARRISON SUBRESIDENCY POST-CLOSURE FIFTH QUARTERLY MONITORING REPORT**	**NYSDOT PIN: 8806.51.301**	**Figure 5**

TABLES

TABLE 1

GROUNDWATER DATA SUMMARY

Fifth Quarter Sampling - Harrison Subresidency Landfill Area

April 2016

PARAMETER	*Site Background* LMW-2 4/12/16	LMW-4 4/12/16	PC-1 4/12/16	PC-2 4/12/16	PC-3 4/12/16	*Duplicate PC-1* PC-10 4/12/16	Trip Blank 4/12/16	NATURAL AMBIENT GROUNDWATER RANGES (n)	NYSDEC CLASS GA STANDARDS (a)
Metals (ug/L)									
Aluminum	ND	ND	ND	ND	ND	ND	*	**<5.0 - 1000**	**NS**
Antimony	ND	ND	ND	ND	ND	ND	*	**NA**	**3**
Arsenic	ND	ND	ND	ND	ND	ND	*	**<1.0 - 30**	**25**
Barium	86	87	68	68	97	72	*	**10 - 500**	**1000**
Beryllium	ND	ND	ND	ND	ND	ND	*	**<10**	**3.0 GV**
Cadmium	ND	ND	ND	ND	ND	ND	*	**<1.0**	**5**
Calcium	59,000	32,000	73,000	60,000	46,000	78,000	*	**1000 - 150000**	**NS**
Chromium	ND	ND	ND	ND	ND	ND	*	**<1.0 - 5.0**	**50**
Cobalt	1.0	**13**	ND	2.5	ND	ND	*	**<10**	**NS**
Copper	ND	ND	ND	ND	ND	ND	*	**<1.0 - 3**	**200**
Iron	ND	**59,000**	ND	**35,000**	ND	ND	*	**10 - 10000**	**300 (m)**
Lead	ND	ND	ND	ND	ND	ND	*	**<15**	**25**
Magnesium	22,000	14,000	12,000	15,000	14,000	13,000	*	**1000 - 50000**	**35000 GV**
Manganese	160	**9,800**	28	**9,800**	**330**	ND	*	**<1.0 - 1000**	**300 (m)**
Mercury	ND	ND	ND	ND	ND	ND	*	**<1.0**	**0.7**
Nickel	ND	ND	ND	ND	ND	ND	*	**<10 - 50**	**100**
Potassium	2800	ND	2,800	ND	5,100	3,100	*	**1000 - 10000**	**NS**
Selenium	ND	ND	ND	ND	ND	ND	*	**<1.0 - 10**	**10**
Silver	ND	ND	ND	ND	ND	ND	*	**<5**	**50**
Sodium	**20,000**	**20,000**	**72,000**	**26,000**	**78000**	**76,000**	*	**500 - 120000**	**20000**
Thallium	ND	ND	ND	ND	ND	ND	*	**NA**	**0.5 GV**
Vanadium	ND	ND	ND	ND	ND	ND	*	**<1.0 - 10**	**NS**
Zinc	ND	ND	ND	ND	ND	ND	*	**<10 - 2000**	**2000 GV**
Chloride (mg/l)	18	19	190	21	200	180	*	**NA**	**250**
Cyanide (mg/l)	ND	ND	ND	ND	ND	ND	*	**NA**	**200**
Volatile Organic Compounds (ug/L)									
Acetone	ND	**29**	ND	ND	ND	ND	ND	**NA**	**50**
Total VOCS	ND	29	ND	ND	ND	ND	ND	**NA**	**5**
Semivolatile Organic Compounds (ug/L)									
Total SVOC Tics	9.4 J	9 J	9.1 J	65 J	24 J	53 J			

(a) - NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1). June 1998, revised April 20(
GV - Guidance Value
(m) - Sum of Iron and Manganese not to exceed 500 ug/
(n) - Dragun, J., The Soil Chemistry of Hazardous Material
NA - Not applicable.
ND - Not detected at analytical detection limit.
J- Detected below the detection limit.
NS - No standard.
* - Not analyzed.
\# - All other compounds

TABLE 2

SURFACE WATER DATA SUMMARY

Fifth Quarter Sampling - Harrison Subresidency Landfill Area

April 2016

PARAMETER	*Site Background* SW-1 4/13/16	SW-2 4/13/16	SW-3 4/13/16	SW-4 4/13/16	Duplicate SW-1 SW-10 4/13/2016	Field Blank 4/13/2016	Trip Blank 4/13/2016	NATURAL AMBIENT GROUNDWATER RANGES (n)	NYSDEC CLASS GA STANDARDS (a)	NYSDEC CLASS A STANDARDS (a)
Metals (ug/L)										
Aluminum	ND	ND	ND	ND	ND	ND	*	**<5.0 - 1000**	**NS**	**100 [2]**
Antimony	ND	ND	ND	ND	ND	ND	*	**NA**	**3**	**3 [1]**
Arsenic	ND	ND	ND	ND	ND	ND	*	**<1.0 - 30**	**25**	**50 [1], 150 [2], 340 [3]**
Barium	ND	ND	60	ND	ND	ND	*	**10 - 500**	**1000**	**1,000 [1]**
Beryllium	ND	ND	ND	ND	ND	ND	*	**<10**	**3.0 GV**	**3 GV [1]**
Cadmium	ND	ND	ND	ND	ND	ND	*	**<1.0**	**5**	**5 [1]**
Calcium	27,000	25,000	97,000	20,000	28,000	ND	*	**1000 - 150000**	**NS**	**NS**
Chromium	ND	ND	ND	ND	ND	ND	*	**<1.0 - 5.0**	**50**	**50 [1]**
Cobalt	ND	ND	ND	ND	ND	ND	*	**<10**	**NS**	**5 [2]**
Copper	ND	ND	ND	ND	ND	ND	*	**<1.0 - 3**	**200**	**200 [1]**
Iron	200	ND	**310**	**180**	210	ND	*	**10 - 10000**	**300 (m)**	**300 [2, 4]**
Lead	ND	ND	ND	ND	ND	ND	*	**<15**	**25**	**50 [1]**
Magnesium	7,900	7,300	13,000	5,900	8,300	ND	*	**1000 - 50000**	**35000 GV**	**35,000 [1]**
Manganese	**400**	25	280	60	**420**	ND	*	**<1.0 - 1000**	**300 (m)**	**300 [4]**
Mercury	ND	ND	ND	ND	ND	ND	*	**<1.0**	**0.7**	**0.7 [1], 7e-4 [5], 0.77 [2], 1.4 [3], 0.0026 [6]**
Nickel	ND	ND	ND	ND	ND	ND	*	**<10 - 50**	**100**	**100 [1]**
Potassium	ND	ND	3800	ND	ND	ND	*	**1000 - 10000**	**NS**	**NS**
Selenium	ND	ND	ND	ND	ND	ND	*	**<1.0 - 10**	**10**	**10 [1], 4.6 [2]**
Silver	ND	ND	ND	ND	ND	ND	*	**<5**	**50**	**50 [1]**
Sodium	6,600	9,800	**76,000**	15,000	6,800	ND	*	**500 - 120000**	**20000**	**NS**
Thallium	ND	ND	ND	ND	ND	ND	*	**NA**	**0.5 GV**	**0.5 GV [1], 8 [2]**
Vanadium	ND	ND	ND	ND	ND	ND	*	**<1.0 - 10**	**NS**	**14 [2]**
Zinc	ND	ND	ND	ND	ND	ND	*	**<10 - 2000**	**2000 GV**	**2,000 GV [1], 5,000 GV [4]**
Chloride (mg/l)	5.2	11	190	20	5.8	ND	*	**NA**	**250**	**250,000 [1]**
Cyanide (mg/l)	ND	ND	ND	ND	ND	ND	*	**NA**	**200**	**200 [1], 9,000 [5], 5.2 [2], 22 [3]**
Volatile Organics (ug/L)										
Total VOCs	ND	ND	ND	ND	ND	ND	ND	**NA**	**5**	**NA**
Semi-Volatile Organics (ug/L) - TICs										
Total SVOC Tics	14J	12 J	12 J	11 J	13 J	11 J	*	**NA**	**NA**	**NA**

(a) - NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1). June 1998, revised April 200(
(m) - Sum of Iron and Manganese not to exceed 500 ug/L
(n) - Dragun, J., The Soil Chemistry of Hazardous Materials

Class A Standards for Surface Water as a source of Drinking Water [1] as these are tributaries to Kensico Reservoir.

Other Class A Standards are for Fish Propagation [2] Fish Survival [3] Aesthetic [4] Human Consumption of Fish [5], and Wildlife Protection [6]

DF - Dilution Factor.
GV - Guidance Value.
ND - Not detected at analytical detection limit
NS - No Standard.
NA - Not applicable.

Note - results in **bold** exceed one or more of the standards.

- select Class A standards are specific to sample conditions and require hardness concentrations; therefore, these were not included.

* - Not analyzed.

TABLE 3

SEDIMENT DATA SUMMARY
Fifth Quarter Sampling - Harrison Subresidency Landfill Area
April 2016

PARAMETER	*Site Background* SD-1 4/13/16	SD-2 4/13/16	SD-3 4/13/16	SD-4 4/13/16	Sediment Criteria (a) LEL[1]	SEL[2]
Metals (mg/kg)						
Aluminum	25,000	23,000	18,000	7,500	**NA**	NA
Antimony	ND	ND	ND	ND	**2**	25
Arsenic	2.1	**13.0**	5.1	2.0	**6**	33
Barium	210	1,000	140	81	**NA**	NA
Beryllium	ND	ND	ND	ND	**NA**	NA
Cadmium	ND	ND	**2.6**	ND	**0.6**	9
Calcium	5,200	60,000	130,000	32,000	**NA**	NA
Chromium	**52**	**47**	**32**	23	**26**	110
Cobalt	19.0	32	15	7.8	**NA**	NA
Copper	**50**	**97**	**46**	11	**16**	110
Iron	**43,000**	**110,000**	**43,000**	**20,000**	**20000**	40000
Lead	29	**120**	**91**	13	**31**	110
Magnesium	9,300	29,000	65,000	20,000	**NA**	NA
Manganese	**1,100**	**41,000**	**870**	**1,100**	**460**	1100
Mercury	ND	ND	ND	ND	**0.15**	1.3
Nickel	**40**	**65**	**39**	**18**	**16**	50
Potassium	6,200	4,100	4,100	1,400	**NA**	NA
Selenium	ND	ND	ND	ND	**NA**	NA
Silver	ND	ND	ND	ND	**1**	2.2
Sodium	ND	ND	730	ND	**NA**	NA
Thallium	ND	ND	ND	ND	**NA**	NA
Vanadium	74	76	42	24	**NA**	NA
Zinc	**130**	**590**	**170**	84	**120**	270
Chloride	ND	ND	160	ND	**NA**	NA
Cyanide	ND	ND	ND	ND	**NA**	NA
Volatile Organic Compounds (mg/kg)					Sediment Criteria (a)	Water Qual.
Total VOCs	ND	ND	ND	ND	NA	
Semivolatile Organic Compounds (mg/kg)						
Benzo[a]anthracene	**0.064**	ND	ND	ND	0.0013	
Benzo[a]pyrene	**0.079**	**0.22**	ND	ND	0.0013	
Benzo[b]fluoranthene	**0.13**	**0.35**	ND	ND	0.0013	
Benzo[g,h,i]perylene	0.074	0.24	ND	ND	NA	
Chrysene	**0.08**	**0.24**	ND	ND	0.0013	
Fluoranthene	0.15	0.34	ND	ND	NA	
Indeno[1,2,3-cd]pyrene	**0.054**	**0.21**	ND	ND	0.0013	
Pyrene	0.13	0.48	0.086	ND	NA	
Total SVOC Tics	40 J	250 J	93 J	43 J	NA	

(a) - NYSDEC Technical Guidance for Screening Contaminated Sediments November 1993, revised January 199
Sediment criteria refer to the Human Health Bioaccumulation Criteria for Fresh Water and are based on TOC.

1 - Lowest Effect Level

2 - Severe Effect Level

ND - Not detected at analytical detection limit.

NA - No applicable criterion.

Note - results exceeding the LEL and SEL are shown in **bold** and underlined, respectively.

Table 4

Groundwater Field Duplicate Relative Percent Difference
Fifth Quarter Sampling - Harrison Subresidency
April 2016

Parameters	PC-1	Duplicate PC-10	Relative Percent Difference
Metals (ug/L)			
Aluminum	ND	ND	NA
Antimony	ND	ND	NA
Arsenic	ND	ND	NA
Barium	68	72	-5.71
Beryllium	ND	ND	NA
Cadmium	ND	ND	NA
Calcium	73,000	78,000	-6.62
Chromium	ND	ND	NA
Cobalt	ND	ND	NA
Copper	ND	ND	NA
Iron	ND	ND	NA
Lead	ND	ND	NA
Magnesium	12,000	13,000	-8.00
Manganese	28	ND	NA
Mercury	ND	ND	NA
Nickel	ND	ND	NA
Potassium	2,800	3,100	-10.17
Selenium	ND	ND	NA
Silver	ND	ND	NA
Sodium	72,000	76,000	-5.41
Thallium	ND	ND	NA
Vanadium	ND	ND	NA
Zinc	ND	ND	NA
Chloride (mg/l)	190	180	5.41
Cyanide (mg/l)	ND	ND	NA
Volatile Organic Compounds (ug/L)			
Total VOCs#	ND	ND	NA
Semivolatile Organic Compounds (ug/L)			
3-Eicosene, (E)	ND	44	NA
Di-n-butylphthalate	ND	ND	NA
Caprolactam	ND	ND	NA

Notes:

1) ND indicates analyte not detected at analytical reporting limit.

2) NA indicates Not Applicable, where one or both results were not detected.

3) Values in bold exceed the normally accepted range of 15%

- All other compounds

Table 5

Surface Water Field Duplicate Relative Percent Difference
Fifth Quarter Sampling - Harrison Subresidency
April 2016

Parameters	SW-1	Duplicate SW-10	Relative Percent Difference
Metals (ug/L)			
Aluminum	ND	ND	NA
Antimony	ND	ND	NA
Arsenic	ND	ND	NA
Barium	ND	ND	NA
Beryllium	ND	ND	NA
Cadmium	ND	ND	NA
Calcium	27000	28000	-3.64
Chromium	ND	ND	NA
Cobalt	ND	ND	NA
Copper	ND	ND	NA
Iron	200	210	-4.88
Lead	ND	ND	NA
Magnesium	7900	8300	-4.94
Manganese	400	420	-4.88
Mercury	ND	ND	NA
Nickel	ND	ND	NA
Potassium	ND	ND	NA
Selenium	ND	ND	NA
Silver	ND	ND	NA
Sodium	6600	6800	-2.99
Thallium	ND	ND	NA
Vanadium	ND	ND	NA
Zinc	ND	ND	NA
Chloride (mg/l)	5.2	5.8	-10.91
Cyanide (mg/l)	ND	ND	NA
Volatile Organics (ug/L)			
Total VOCs	ND	ND	NA
Semi-Volatile Organics (ug/L)			
Total SVOCs	14	13	7.41

Notes:

1) ND indicates analyte not detected at analytical reporting limit.

2) NA indicates Not Applicable, where one or both results were not detected.

3) Values in bold exceed the normally accepted range of 15%

- All other compounds

ATTACHMENT A

SAMPLING LOGS

Well Sampling Log

Well ID No.: PC-1

Well Casing Type: 2" PVC
Well Depth*: 16.75
Screened Interval: n/a
Well Elevation*: n/a
Ground Elevation: n/a
Well Condition: Good
Weather Conditions: Raining

Start SWL: 3.6
Water Column Ht.: 13.15
Well Volume (gallons): 3.9
SWL During Sampling:
Sample Time: 10:45
Sample Method: Bailer
Sample Analyses: VOC + MTBE, SVOC, Metals (filtered), CN, Cl, and natural attenuation parameters

Project: Harrison Landfill and Spill
Date: 4/12/2016
Crew: JB/MTP
Purge Method: Whale Pump
PID Head Space (ppm): NC
Meters Used: Horiba U-52

Time	Est. Gallons Purged	Purge Rate (Lpm)	Temp. (Co)	pH	ORP (mV)	Cond. (mS/m)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)	Salinity (ppt)	Depth to Water*	Comments
10:00	0	3	10.55	6.1	215.0	1.07	0.0	0.74	0.685	0.5	3.60	
10:04	4	3	8.75	8.6	164.0	1.10	0.0	0.36	0.703	0.5	8.25	
10:08	8	3	8.85	6.7	125.0	1.10	0.0	0.45	0.706	0.5	9.15	
10:12	12	3	8.29	6.9	106.0	1.11	0.0	0.13	0.711	0.5	9.60	
												Wait to recharge.

Comments: Both spill site and landfill anaylsis. Sampled PC-

Notes: NM - No measurement
* - Measurement taken from top of well casing

Well Sampling Log

Well ID No.: PC-2

Well Casing Type: 2" PVC
Well Depth*: 11.4
Screened Interval: n/a
Well Elevation*: n/a
Ground Elevation: n/a
Start SWL: 2.36
Water Column Ht.: 9.04
Well Volume (gallons): 2.8
SWL During Sampling:
Sample Time: 12:20
Project: Harrison Landfill
Date: 4/12/2016
Crew: JB/MTP
Purge Method: Peristaltic Pump
PID Head Space (ppm): NC
Well Condition: bent, prevents bailer sampling
Sample Method: Peristaltic Pump
Meters Used: Horiba U-52
Weather Conditions: Raining
Sample Analyses: VOC, SVOC, Metals (filtered), CN, and Cl

Time	Est. Gallons Purged	Purge Rate (gpm)	Temp. (Co)	pH	ORP (mV)	Cond. (mS/m)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)	Salinity (ppt)	Depth to Water*	Comments
11:35	0		8.96	6.68	-81	0.920	180.0	7.23	0.590	0.4	2.40	Strong Sulfur Odor
11:43	3		8.43	6.61	-89	0.921	174.0	5.43	0.590	0.4	-	
11:50	6		8.82	6.04	-54	0.892	85.0	1.66	0.871	0.4	-	
12:02	9		8.44	6.45	-80	0.900	95.8	2.38	0.876	0.4	-	

Comments:

Notes: NM - No measurement
* - Measurement taken from top of well casing

Well Sampling Log

Well ID No.: PC-3

Well Casing Type: 2" PVC
Well Depth*: 18.71
Screened Interval: n/a
Well Elevation*: n/a
Ground Elevation: n/a
Well Condition: Good
Weather Conditions: Sunny

Start SWL: 9
Water Column Ht.: 13
Well Volume (gallons): 2
SWL During Sampling:
Sample Time: 1
Sample Method: Bailer
Sample Analyses: VOC, SVOC, Metals (filtered), CN, and Cl

Project: Harrison Landfill
Date: 4/12/2016
Crew: JB/MTP
Purge Method: Whale Pump
PID Head Space (ppm): NC
Meters Used: Horiba U-52

Time	Est. Gallons Purged	Purge Rate (gpm)	Temp. (Co)	pH	ORP (mV)	Cond. (mS/m)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)	Salinity (%)	Depth to Water*	Comments
14:45	0		10.02	7.13	-21	1.16	208	8.13	0.742	0.6	9.18	Orange
15:10	2		9.24	7.12	-24	1.09	107	6.64	0.699	0.5	9.89	
14:49	4		9.05	6.99	-15	1.08	40	4.18	0.693	0.5	9.89	
14:51	6		9.04	9.72	-9	1.09	0	5.50	0.706	0.5	9.89	

Comments:

Notes: NM - No measurement
* - Measurement taken from top of well casing

Well Sampling Log

Well ID No.: LMW-2

Well Casing Type:	2" PVC	**Start SWL:**	9.88	**Project:**	Harrison Landfill
Well Depth*:	21.25	**Water Column Ht.:**	11.37	**Date:**	4/12/2016
Screened Interval:	n/a	**Well Volume (gallons):**	3.6	**Crew:**	JB/MTP
Well Elevation*:	n/a	**SWL During Sampling:**		**Purge Method:**	Whale Pump
Ground Elevation:	n/a	**Sample Time:**	14:00	**PID Head Space (ppm):**	NC
Well Condition:	Good	**Sample Method:**	Bailer	**Meters Used:**	Horiba U-52
Weather Conditions:	Overcast	**Sample Analyses:**	VOC, SVOC, Metals (filtered), CN, and Cl		

Time	Est. Gallons Purged	Purge Rate (gpm)	Temp. (Co)	pH	ORP (mV)	Cond. (mS/m)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)	Salinity (ppt)	Depth to Water*	Comments
13:02	0		8.44	6.45	-80	0.900	65.8	3.38	0.576	0.4	9.89	
13:12	3		9.30	6.74	-15	0.803	92.7	4.35	0.518	0.4	dry	dry 3.2

Comments:

Notes: NM - No measurement

* - Measurement taken from top of well casing

Well Sampling Log

Well ID No.: LMW-4

Well Casing Type:	2" PVC	**Start SWL:**	2.7	**Project:**	Harrison Landfill
Well Depth*:	14.85	**Water Column Ht.:**	12.15	**Date:**	4/12/2016
Screened Interval:	n/a	**Well Volume (gallons):**	3.8	**Crew:**	JB/MTP
Well Elevation*:	n/a	**SWL During Sampling:**		**Purge Method:**	Whale Pump
Ground Elevation:	n/a	**Sample Time:**	12:30	**PID Head Space (ppm):**	NC
Well Condition:	Good	**Sample Method:**	Bailer	**Meters Used:**	Horiba U-52
Weather Conditions:	Overcast	**Sample Analyses:**	VOC, SVOC, Metals (filtered), CN, and Cl		

Time	Est. Gallons Purged	Purge Rate (Lpm)	Temp. (Co)	pH	ORP (mV)	Cond. (mS/m)	Turbidity (NTU)	D.O. (mg/L)	TDS (g/L)	Salinity (ppt)	Depth to Water*	Comments
11:38	0	3	8.47	6.57	-88	0.920	62.4	1.15	0.591	0.5	2.70	
11:43	4	3	8.75	6.07	-53	0.893	108.0	1.66	0.531	0.4	Dry	dry @4.5 gal
												Wait to recharge to sample.

Comments:

Notes: NM - No measurement

* - Measurement taken from top of well casing

Surface Water Sampling Log

Weather Conditions:
Sunny, 45°F

Sample Analyses: VOC, SVOC, TAL Metals, Cl, CN
Meters Used: Horiba U-52

Project: Harrison Landfill
Date: 4/13/2016
Crew: JB / MTP

Station Number	Time	Sample Depth	Total Depth	Temp. (C^o)	pH	Cond. (mS/m)	Turbidity (NTU)	D.O. (mg/L)	Flow (CFS)	Comments
SW-1	9:40	6"	6"	8.12	5.55	0.335	0.030	5.12	10s/ft	Minminal Flow, dup collected (09:40) 3' wide, 5" deep
SW-2	10:45	6"	6"	8.31	5.42	0.277	0.520	4.80	7s/ft	Good flow, 2' wide 7" deep
SW-3	11:25	6"	6"	10.07	6.45	1.150	1.680	9.14	No flow	No flow in pond, cloudy water
SW-4	12:40	6"	6"	10.74	6.95	0.244	0.000	7.91	4s/ft	good flow, 1.5' wide 5" deep

Comments: Flow estimated

Notes: NM - No measurement
* - Measurement taken from top of well casing

pH No: _____
TLC No: _____
Turb. Meter: _____

Soil/Sediments Sampling Log

Weather Conditions:
Sunny, 45°F

Sample Analyses: VO, SVOC, TAL Metals, CN, Cl
Meters Used: None

Project: Harrizon Landfill
Date: 4/13/2016
Crew: JB / MTP

Station Number	Time	Sample Depth	Method	Texture	Color	Odor/ Staining	Comments
SD-1	0945	0 - 2"	Bowl & Spoon	Sandy	Dark Brown	N/A	Silty Sand with organics, little gravel.
SD-2	1100	0 - 2"	Bowl & Spoon	Silty Sand	Dark Brown	N/A	Subrounded boulders on base of stream with silty soil in lower flow areas.
SD-3	1135	0 - 2"	Bowl & Spoon	Sandy	Brown	N/A	Pond area with visible organic sheen. Subrounded boulders with organic sandy soil in between.
SD-4	1250	0 - 2"	Bowl & Spoon	Sandy	Brown	N/A	Sandy fine gravel in between boulders, trace silt.

Comments:

Air Monitoring Data Log

Project: Harrizon Landfill
Weather Conditions: Sunny, 40°F
Sample Analyses: VO, SVOC, TAL Metals,
Meters Used: Multi Rae Plus, Photovac Micro FID
Date: 4/13/2016
Crew: JB / MTP

Sample Point	Time	% LEL (CGI)	PID	FID (PPM)		Background		Comments
				with CH4 filter	w/out CH4 filter	PID	FID	
GV-3	8:45	-	0.0	0.0	0.0	see notes	0.0	LEL: 0.0% O_2: 20.90% H_2S: 0ppm CO: 2ppm
GV-1	8:48	-	0.0	8.7	20.8	see notes	0.0 / 2.8	LEL: 0.0% O_2: 20.90% H_2S: 0ppm CO: 0ppm
GV-2	8:50	-	0.1 C0	207.5	113.7	see notes	2.4 / 2.1	LEL: 0.0% O_2: 20.90% H_2S: 0ppm CO: 0ppm
GV-4	8:55	-	0.0	0.0	0.0	see notes	0.0	LEL: 0.0% O_2: 20.90% H_2S: 0ppm CO: 0ppm
SPL	9:00	-	0.0	0.0	0.0	see notes	0.0	LEL: 0.0% O_2: 20.90% H_2S: 0ppm CO: 0ppm
EPL	9:05	-	0.0	0.0	0.0	see notes	0.0	LEL: 0.0% O_2: 20.90% H_2S: 0ppm CO: 0ppm
NPL	9:09	-	0.0	0.0	0.0	see notes	0.0	LEL: 0.0% O_2: 20.90% H_2S: 0ppm CO: 0ppm
WPL	9:13	-	0.0	0.0	0.0	see notes	0.0	LEL: 0.0% O_2: 20.90% H_2S: 0ppm CO: 0ppm

Comments: See Field notes for daily calibration. Ruts going through landfill towars LMW-4 about 5" deep.

ATTACHMENT B

LABORATORY ANALYTICAL DATA PACKAGES

Hampton-Clarke Report Of Analysis

Client: HDR **HC Project #:** 6041310

Project: NYSDOT-Harrison

Sample ID: PC-1 U **Collection Date: 4/12/2016**
Lab#: AC90721-001 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Alkalinity-Bicarbonate (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	1	mgcaco3/l	10	310

Alkalinity-Total (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	1	mg caco3/l	10	310

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	5	mg/l	10	190

Nitrate-N (Water) 300.0

Analyte	DF	Units	RL	Result
Nitrate	1	mg/l	1.0	ND

p-Alkalinity

Analyte	DF	Units	RL	Result
p-Alkalinity	1	mg caco3/l	10	ND

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND

Sample ID: PC-1 U **Collection Date: 4/12/2016**
Lab#: AC90721-001 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	43.82	50	30	130	88	
Phenol-d5	19.58	100	15	110	20	
Nitrobenzene-d5	37.81	50	30	130	76	
2-Fluorophenol	31.37	100	15	110	31	
2-Fluorobiphenyl	38.48	50	30	130	77	
2,4,6-Tribromophenol	73.04	100	15	110	73	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.49**	**9.1JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**9.1J**

Sulfate (Water) 300.0

Analyte	DF	Units	RL	Result
Sulfate	**1**	**mg/l**	**2.0**	**12**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND

Sample ID: PC-1 U **Collection Date: 4/12/2016**
Lab#: AC90721-001 **Receipt Date: 4/13/2016**
Matrix: Aqueous

4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.84	30	70	130	93	
Dibromofluoromethane	30.09	30	70	130	100	
Bromofluorobenzene	28.76	30	70	130	96	
1,2-Dichloroethane-d4	27.73	30	70	130	92	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: PC-1 F
Lab#: AC90721-002
Matrix: Aqueous

Collection Date: 4/12/2016
Receipt Date: 4/13/2016

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**68**
Calcium	**1**	**ug/l**	**1000**	**73000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**12000**
Manganese	**1**	**ug/l**	**25**	**28**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**2800**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**72000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: PC-10 U | **Collection Date: 4/12/2016**
Lab#: AC90721-003 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	5	mg/l	10	180

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND	
N-Nitrosodiphenylamine	1	ug/l	2.1	ND	
Pentachlorophenol	1	ug/l	11	ND	
Phenanthrene	1	ug/l	2.1	ND	
Phenol	1	ug/l	2.1	ND	
Pyrene	1	ug/l	2.1	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	47.98	50	30	130	96	
Phenol-d5	21.57	100	15	110	22	
Nitrobenzene-d5	43.90	50	30	130	88	
2-Fluorophenol	35.02	100	15	110	35	
2-Fluorobiphenyl	43.18	50	30	130	86	
2,4,6-Tribromophenol	79.02	100	15	110	79	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
3-Eicosene, (E)-	**1**	**ug/l**	**14.95**	**44J**
unknown	**1**	**ug/l**	**2.49**	**9.3JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**53J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND

Sample ID: PC-10 U **Collection Date: 4/12/2016**
Lab#: AC90721-003 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Toluene	1	ug/l	1.0	ND	
trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.65	30	70	130	92	
Dibromofluoromethane	30.79	30	70	130	103	
Bromofluorobenzene	30.06	30	70	130	100	
1,2-Dichloroethane-d4	28.57	30	70	130	95	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: PC-10 F | **Collection Date: 4/12/2016**
Lab#: AC90721-004 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**72**
Calcium	**1**	**ug/l**	**1000**	**78000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**13000**
Manganese	1	ug/l	25	ND
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**3100**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**76000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: PC-2 U | **Collection Date: 4/12/2016**
Lab#: AC90721-005 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**1**	**mg/l**	**2.0**	**21**

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	0.56	ND
2,4-Dimethylphenol	1	ug/l	0.56	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/l	0.56	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND
4-Nitrophenol	1	ug/l	2.2	ND
Acenaphthene	1	ug/l	2.2	ND
Acenaphthylene	1	ug/l	2.2	ND
Acetophenone	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/l	2.2	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.56	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Caprolactam	1	ug/l	2.2	ND
Carbazole	1	ug/l	2.2	ND
Chrysene	1	ug/l	2.2	ND
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran	1	ug/l	0.56	ND
Diethylphthalate	1	ug/l	2.2	ND
Dimethylphthalate	1	ug/l	2.2	ND
Di-n-butylphthalate	1	ug/l	0.56	ND
Di-n-octylphthalate	1	ug/l	2.2	ND
Fluoranthene	1	ug/l	2.2	ND
Fluorene	1	ug/l	2.2	ND
Hexachlorobenzene	1	ug/l	2.2	ND
Hexachlorobutadiene	1	ug/l	2.2	ND
Hexachlorocyclopentadiene	1	ug/l	2.2	ND
Hexachloroethane	1	ug/l	2.2	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.2	ND
Isophorone	1	ug/l	2.2	ND
Naphthalene	1	ug/l	0.56	ND
Nitrobenzene	1	ug/l	2.2	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.56	ND
N-Nitrosodiphenylamine	1	ug/l	2.2	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.2	ND
Phenol	1	ug/l	2.2	ND
Pyrene	1	ug/l	2.2	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	47.61	50	30	130	95	
Phenol-d5	20.21	100	15	110	20	
Nitrobenzene-d5	41.74	50	30	130	83	
2-Fluorophenol	33.19	100	15	110	33	
2-Fluorobiphenyl	40.84	50	30	130	82	
2,4,6-Tribromophenol	78.51	100	15	110	79	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
3-Eicosene, (E)-	**1**	**ug/l**	**14.94**	**55J**
unknown	**1**	**ug/l**	**2.49**	**9.6JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**65J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND

Sample ID: PC-2 U **Collection Date: 4/12/2016**
Lab#: AC90721-005 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Toluene	1	ug/l	1.0	ND	
trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.29	30	70	130	94	
Dibromofluoromethane	29.47	30	70	130	98	
Bromofluorobenzene	29.99	30	70	130	100	
1,2-Dichloroethane-d4	28.66	30	70	130	96	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: PC-2 F | **Collection Date: 4/12/2016**
Lab#: AC90721-006 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**68**
Calcium	**1**	**ug/l**	**1000**	**60000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**35000**
Magnesium	**1**	**ug/l**	**1000**	**15000**
Manganese	**1**	**ug/l**	**25**	**9800**
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**26000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	2	ug/l	1.5	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	**2**	**ug/l**	**2.0**	**2.5**
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: LMW-4 U | **Collection Date: 4/12/2016**
Lab#: AC90721-007 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**1**	**mg/l**	**2.0**	**19**

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.0	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.0	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.50	ND
2,4-Dimethylphenol	1	ug/l	0.50	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Acetophenone	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Atrazine	1	ug/l	2.0	ND
Benzaldehyde	1	ug/l	2.0	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene	1	ug/l	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	2.0	ND
Benzo[k]fluoranthene	1	ug/l	2.0	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Caprolactam	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.50	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	1	ug/l	2.0	ND
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	2.0	ND
Hexachloroethane	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.0	ND
Isophorone	1	ug/l	2.0	ND
Naphthalene	1	ug/l	0.50	ND
Nitrobenzene	1	ug/l	2.0	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.50	ND	
N-Nitrosodiphenylamine	1	ug/l	2.0	ND	
Pentachlorophenol	1	ug/l	10	ND	
Phenanthrene	1	ug/l	2.0	ND	
Phenol	1	ug/l	2.0	ND	
Pyrene	1	ug/l	2.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	45.91	50	30	130	92	
Phenol-d5	19.09	100	15	110	19	
Nitrobenzene-d5	40.96	50	30	130	82	
2-Fluorophenol	31.05	100	15	110	31	
2-Fluorobiphenyl	40.75	50	30	130	81	
2,4,6-Tribromophenol	80.60	100	15	110	81	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.49**	**9.0JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**9J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	**1**	**ug/l**	**5.0**	**29**
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND

Sample ID: LMW-4 U **Collection Date: 4/12/2016**
Lab#: AC90721-007 **Receipt Date: 4/13/2016**
Matrix: Aqueous

trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.57	30	70	130	95	
Dibromofluoromethane	31.08	30	70	130	104	
Bromofluorobenzene	29.65	30	70	130	99	
1,2-Dichloroethane-d4	29.27	30	70	130	98	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: LMW-4 F | **Collection Date: 4/12/2016**
Lab#: AC90721-008 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**87**
Calcium	**1**	**ug/l**	**1000**	**32000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**59000**
Magnesium	**1**	**ug/l**	**1000**	**14000**
Manganese	**1**	**ug/l**	**25**	**9800**
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**20000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	2	ug/l	1.5	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	**2**	**ug/l**	**2.0**	**13**
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: LMW-2 U **Collection Date: 4/12/2016**
Lab#: AC90721-009 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**1**	**mg/l**	**2.0**	**18**

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND
Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND

Sample ID: LMW-2 U **Collection Date: 4/12/2016**
Lab#: AC90721-009 **Receipt Date: 4/13/2016**
Matrix: Aqueous

N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND	
N-Nitrosodiphenylamine	1	ug/l	2.1	ND	
Pentachlorophenol	1	ug/l	11	ND	
Phenanthrene	1	ug/l	2.1	ND	
Phenol	1	ug/l	2.1	ND	
Pyrene	1	ug/l	2.1	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	45.31	50	30	130	91	
Phenol-d5	15.78	100	15	110	16	
Nitrobenzene-d5	38.34	50	30	130	77	
2-Fluorophenol	28.75	100	15	110	29	
2-Fluorobiphenyl	38.84	50	30	130	78	
2,4,6-Tribromophenol	74.70	100	15	110	75	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.49**	**9.4JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**9.4J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND

Sample ID: LMW-2 U **Collection Date: 4/12/2016**
Lab#: AC90721-009 **Receipt Date: 4/13/2016**
Matrix: Aqueous

trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.52	30	70	130	92	
Dibromofluoromethane	30.68	30	70	130	102	
Bromofluorobenzene	28.17	30	70	130	94	
1,2-Dichloroethane-d4	28.51	30	70	130	95	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: LMW-2 F | **Collection Date: 4/12/2016**
Lab#: AC90721-010 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**86**
Calcium	**1**	**ug/l**	**1000**	**59000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**22000**
Manganese	**1**	**ug/l**	**25**	**160**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**2800**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**20000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	**1**	**ug/l**	**1.0**	**1.0**
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: MW-11 U | **Collection Date: 4/12/2016**
Lab#: AC90721-011 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Alkalinity-Bicarbonate (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	**1**	**mgcaco3/l**	**10**	**240**

Alkalinity-Total (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	**1**	**mg caco3/l**	**10**	**240**

BTEX & Extra Compounds (624)

Analyte	DF	Units	RL	Result
Benzene	**1**	**ug/l**	**0.50**	**0.82**
Ethylbenzene	**1**	**ug/l**	**1.0**	**93**
m&p-Xylenes	**1**	**ug/l**	**1.0**	**9.9**
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	**1**	**ug/l**	**1.0**	**2.1**
Toluene	1	ug/l	1.0	ND
Xylenes (Total)	**1**	**ug/l**	**1.0**	**12**

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.96	30	70	130	97	
Dibromofluoromethane	28.60	30	70	130	95	
Bromofluorobenzene	29.77	30	70	130	99	
1,2-Dichloroethane-d4	25.61	30	70	130	85	

Nitrate-N (Water) 300.0

Analyte	DF	Units	RL	Result
Nitrate	1	mg/l	1.0	ND

p-Alkalinity

Analyte	DF	Units	RL	Result
p-Alkalinity	1	mg caco3/l	10	ND

Sulfate (Water) 300.0

Analyte	DF	Units	RL	Result
Sulfate	**1**	**mg/l**	**2.0**	**8.0**

Sample ID: PC-3 U | **Collection Date: 4/12/2016**
Lab#: AC90721-012 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**10**	**mg/l**	**20**	**200**

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.2	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.2	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.2	ND
2,4,5-Trichlorophenol	1	ug/l	2.2	ND
2,4,6-Trichlorophenol	1	ug/l	2.2	ND
2,4-Dichlorophenol	1	ug/l	0.56	ND
2,4-Dimethylphenol	1	ug/l	0.56	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.2	ND
2,6-Dinitrotoluene	1	ug/l	2.2	ND
2-Chloronaphthalene	1	ug/l	2.2	ND
2-Chlorophenol	1	ug/l	2.2	ND
2-Methylnaphthalene	1	ug/l	2.2	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	2.2	ND
2-Nitrophenol	1	ug/l	2.2	ND
3&4-Methylphenol	1	ug/l	0.56	ND
3,3'-Dichlorobenzidine	1	ug/l	2.2	ND
3-Nitroaniline	1	ug/l	2.2	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.2	ND
4-Chloro-3-methylphenol	1	ug/l	2.2	ND
4-Chloroaniline	1	ug/l	0.56	ND
4-Chlorophenyl-phenylether	1	ug/l	2.2	ND
4-Nitroaniline	1	ug/l	2.2	ND
4-Nitrophenol	1	ug/l	2.2	ND
Acenaphthene	1	ug/l	2.2	ND
Acenaphthylene	1	ug/l	2.2	ND
Acetophenone	1	ug/l	2.2	ND
Anthracene	1	ug/l	2.2	ND
Atrazine	1	ug/l	2.2	ND
Benzaldehyde	1	ug/l	2.2	ND
Benzo[a]anthracene	1	ug/l	2.2	ND
Benzo[a]pyrene	1	ug/l	2.2	ND
Benzo[b]fluoranthene	1	ug/l	2.2	ND
Benzo[g,h,i]perylene	1	ug/l	2.2	ND
Benzo[k]fluoranthene	1	ug/l	2.2	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.2	ND
bis(2-Chloroethyl)ether	1	ug/l	0.56	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.2	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.2	ND
Butylbenzylphthalate	1	ug/l	2.2	ND
Caprolactam	1	ug/l	2.2	ND
Carbazole	1	ug/l	2.2	ND
Chrysene	1	ug/l	2.2	ND
Dibenzo[a,h]anthracene	1	ug/l	2.2	ND
Dibenzofuran	1	ug/l	0.56	ND
Diethylphthalate	1	ug/l	2.2	ND
Dimethylphthalate	1	ug/l	2.2	ND
Di-n-butylphthalate	1	ug/l	0.56	ND
Di-n-octylphthalate	1	ug/l	2.2	ND
Fluoranthene	1	ug/l	2.2	ND
Fluorene	1	ug/l	2.2	ND
Hexachlorobenzene	1	ug/l	2.2	ND
Hexachlorobutadiene	1	ug/l	2.2	ND
Hexachlorocyclopentadiene	1	ug/l	2.2	ND
Hexachloroethane	1	ug/l	2.2	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.2	ND
Isophorone	1	ug/l	2.2	ND
Naphthalene	1	ug/l	0.56	ND
Nitrobenzene	1	ug/l	2.2	ND

N-Nitroso-di-n-propylamine	1	ug/l	0.56	ND
N-Nitrosodiphenylamine	1	ug/l	2.2	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.2	ND
Phenol	1	ug/l	2.2	ND
Pyrene	1	ug/l	2.2	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Terphenyl-d14	41.47	50	30	130	83	
Phenol-d5	21.54	100	15	110	22	
Nitrobenzene-d5	38.00	50	30	130	76	
2-Fluorophenol	34.18	100	15	110	34	
2-Fluorobiphenyl	37.75	50	30	130	75	
2,4,6-Tribromophenol	69.33	100	15	110	69	

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
3-Eicosene, (E)-	**1**	**ug/l**	**14.94**	**14J**
unknown	**1**	**ug/l**	**2.49**	**9.7JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**24J**

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND

Sample ID: PC-3 U **Collection Date: 4/12/2016**
Lab#: AC90721-012 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Toluene	1	ug/l	1.0	ND	
trans-1,2-Dichloroethene	1	ug/l	1.0	ND	
trans-1,3-Dichloropropene	1	ug/l	1.0	ND	
Trichloroethene	1	ug/l	1.0	ND	
Trichlorofluoromethane	1	ug/l	1.0	ND	
Vinyl chloride	1	ug/l	1.0	ND	
Xylenes (Total)	1	ug/l	1.0	ND	

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	27.89	30	70	130	93	
Dibromofluoromethane	30.41	30	70	130	101	
Bromofluorobenzene	29.80	30	70	130	99	
1,2-Dichloroethane-d4	28.09	30	70	130	94	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: PC-3 F | **Collection Date: 4/12/2016**
Lab#: AC90721-013 | **Receipt Date: 4/13/2016**
Matrix: Aqueous

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**97**
Calcium	**1**	**ug/l**	**1000**	**46000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**14000**
Manganese	**1**	**ug/l**	**25**	**330**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**5100**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**78000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: TB-20160412 **Collection Date: 4/12/2016**
Lab#: AC90721-014 **Receipt Date: 4/13/2016**
Matrix: Aqueous

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Surrogate	Conc.	Spike	Low Limit	High Limit	Recovery	Flags
Toluene-d8	28.61	30	70	130	95	
Dibromofluoromethane	30.58	30	70	130	102	
Bromofluorobenzene	28.85	30	70	130	96	
1,2-Dichloroethane-d4	27.27	30	70	130	91	

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: MW-11 F
Lab#: AC90721-015
Matrix: Aqueous

Collection Date: 4/12/2016
Receipt Date: 4/13/2016

Metals Pair 200.7

Analyte	DF	Units	RL	Result
Iron	1	ug/l	150	2600
Manganese	1	ug/l	25	3300

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 6041310

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS *(specify below)*:
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other: Standard	Electronic (PDF)	Other:

AS PER CONTRACT

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: HDR
Address: Melissa LaMacchia
1 International Blvd, Mahwah NJ 07495
1b) Email/Cell/Fax/Ph: melissa.lamacchia@hdrinc.com
1c) Send Invoice to: ↓
1d) Send Report to: ↓

Project Information

2a) Project: NYSDOT Harrison
2b) Project Mgr: Melissa LaMacchia
2c) Project Location (City/State): Harrison, NJ
2d) Quote/PO # (If Applicable): 270722

FOR LAB USE ONLY ↓

Batch # AC90721

===> *Check If Contingent* ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== *Check If Contingent* <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VO-8TEX, MTBE	Metals - Dissolved (Lab filtered) Fe+Mn	Alkalinity	Alkalinity Bicarb	NO3, Sulfate	VO10	BNA 20	TAL Metals (Lab filtered)	CN (Lab filtered)	Chloride	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001/002	PC-1	WG	1045	4-12-16		G	3	1	3	3	1	3	2	1	1	1	19				3				Metals & CN lab filtered.
003/004	PC-10	WG	1045	4-12-16		G	-	-	-	-	-	3	2	1	1	1	8				3				
005/006	PC-2	WG	1220	4-12-16		G	-	-	-	-	-	3	2	1	1	1	8				3				PC-2 2 VOA vials
007/008	LMW-4	WG	1230	4-12-16		G	-	-	-	-	-	3	2	1	1	1	8				3				
009/010	LMW-2	WG	1400	4/12/16		G	-	-	-	-	-	3	2	1	1	1	8				3				
011/015	MW-11	WG	1410	4/12/16		G	3	1	3	3	1	-	-	-	-	-	8				3				
012/013	PC-3	WG	1500	4/12/16		G	-	-	-	-	-	3	2	1	1	1	8				3				
014	TB-20160412	WQ	—	4/12/16		G	-	-	-	-	-	3	-	-	-	-	-				3				

10) Relinquished by:	Accepted by:	Date	Time
Jennifer Beeler		4/12/16	1600
		4/13/16	930
		4/13/16	230

Additional Notes

* 3 coolers *

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 3.0, 2.9, 3.2°

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Hampton-Clarke
Analytical & Field Services

175 ROUTE 46 WEST, UNIT D · FAIRFIELD, NJ 07004
2 MADISON ROAD, FAIRFIELD, NJ 07004
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: NYSDOT-Harrison

Client PO: 220722

Report To: HDR
1 International Blvd.
10th Floor, Suite 1000
Mahwah, NJ 07495

Attn: Melissa LaMacchia

Received Date: 4/14/2016

Report Date: 5/4/2016

Deliverables: NYDOH-CatA

Lab ID: AC90749

Lab Project No: 6041416

This report is a true report of results obtained from our tests of this material. The report relates only to those samples received and analyzed by the laboratory. All results meet the requirements of the NELAC Institute standards. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

In lieu of a formal contract document, the total aggregate liability of Hampton-Clarke to all parties shall not exceed Hampton-Clarke's total fee for analytical services rendered.

Robin Cousineau - Quality Assurance Director OR **Jean Revolus - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

Hampton-Clarke
Analytical & Field Services

THIS CATEGORY "A" REPORT
IS NUMBERED FROM
1 to 195

HC Case Narrative

Client: HDR
Project: NYSDOT-Harrison

HC Project: 6041416

Hampton-Clarke (HC) received the following samples on 4/14/16:

Client ID	HC Sample ID	Matrix	Analysis
SW-1	AC90749-001	Aqueous	Volatile Organics (624), Semi-Volatile Organics (625), TAL Metals (200.7 & 200.8), Mercury (245.1 rev3.0), Chloride (300.0 rev2.1), Cyanide (335.4)
SW-10	AC90749-002	Aqueous	Volatile Organics (624), Semi-Volatile Organics (625), TAL Metals (200.7 & 200.8), Mercury (245.1 rev3.0), Chloride (300.0 rev2.1), Cyanide (335.4)
SD-1	AC90749-003	Soil	Volatile Organics (8260C), Semi-Volatile Organics (8270D), TAL Metals (6010C & 6020A), Mercury (7471B), Chloride (9056A), Cyanide (9012B), % Solids (2540G)
SW-2	AC90749-004	Aqueous	Volatile Organics (624), Semi-Volatile Organics (625), TAL Metals (200.7 & 200.8), Mercury (245.1 rev3.0), Chloride (300.0 rev2.1), Cyanide (335.4)
SD-2	AC90749-005	Soil	Volatile Organics (8260C), Semi-Volatile Organics (8270D), TAL Metals (6010C & 6020A), Mercury (7471B), Chloride (9056A), Cyanide (9012B), % Solids (2540G)
SW-3	AC90749-006	Aqueous	Volatile Organics (624), Semi-Volatile Organics (625), TAL Metals (200.7 & 200.8), Mercury (245.1 rev3.0), Chloride (300.0 rev2.1), Cyanide (335.4)
SD-3	AC90749-007	Soil	Volatile Organics (8260C), Semi-Volatile Organics (8270D), TAL Metals (6010C & 6020A), Mercury (7471B), Chloride (9056A), Cyanide (9012B), % Solids (2540G)
SW-4	AC90749-008	Aqueous	Volatile Organics (624), Semi-Volatile Organics (625), TAL Metals (200.7 & 200.8), Mercury (245.1 rev3.0), Chloride (300.0 rev2.1), Cyanide (335.4)
SD-4	AC90749-009	Soil	Volatile Organics (8260C), Semi-Volatile Organics (8270D), TAL Metals (6010C & 6020A), Mercury (7471B), Chloride (9056A), Cyanide (9012B), % Solids (2540G)
TB-20160413	AC90749-010	Aqueous	Volatile Organics (624)
FB-20160413	AC90749-011	Aqueous	Volatile Organics (624), Semi-Volatile Organics (625), TAL Metals (200.7 & 200.8), Mercury (245.1 rev3.0), Chloride (300.0 rev2.1), Cyanide (335.4)

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The Method Blank Spike for batches MBS52782, MBS52787, and MBS52818 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches MBS52818 and MBS52809 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batch SMB49884 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MS/MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch SMB49884 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Metals Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for batches 52306 and 52307 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batches 52306 and 52307. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batches 52306 and 52307. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batches 52291 and 52306 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Sample AC90749-005 in batch 52306 was reported at a dilution for Mn due to concentration above the linear range.

Wet Chemistry Analysis:

The Matrix Spike and/or Matrix Spike Duplicate for Chloride, batches S-1192 and W-1816, recovered outside QC limits. Please refer to the QC section for the recoveries.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Robin Cousineau
Quality Assurance Director

Or

Jean Revolus
Laboratory Director

5/9/2016
Date

6041416 0003

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project # (Lab Use Only): 6041416

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/HSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
2 Business Days (75%)*	NJ Reduced	Excel - NJ Regulatory
3 Business Days (50%)*	NY Reduced	Excel - NY Regulatory
4 Business Days (35%)*	PA Reduced	Excel - PA Regulatory
5 Business Days (25%)	Full / Category B	EQuIS *(specify below)*:
10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other: Standard	Electronic (PDF)	Other:

AS PER contract

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: HOR
Address: 1 International Blvd
Mahwah NJ 07495
1b) Email/Cell/Fax/Ph: melissa.lamacchia@hdrinc.com
1c) Send Invoice to:
1d) Send Report to:

Project Information

2a) Project: NYSDOT Hamsin
2b) Project Mgr: Melissa LaMacchia
2c) Project Location (City/State): Hamsin, NY
2d) Quote/PO # (If Applicable): 220722

FOR LAB USE ONLY

Batch # AC90749

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type Composite (C)	Sample Type Grab (G)	VO-Excore Sham	% Solids	TCL Metals BNA20 CN, Chloride - Soil	VO10	BNA20	TAL Metals	CN	Chloride	8) # of Bottles None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	SW-1	SW	4/13/16	0940		G	1	1	1	3	2	1	1	1			2	1	3		1		
-002	SW-10	SW	4/13/16	0940		G	1	1	1	3	2	1	1	1				1	3		1		
-003	SD-1	SD	4/13/16	0945		G	3	1	1	1	1	1	1	1	5		3						
-004	SW-2	SW	4/13/16	1045		G	1	1	1	3	2	1	1	1				1	3		1		
-005	SD-2	SD	4/13/16	1100		G	3	1	1	1	1	1	1	1	5		3						
-006	SW-3	SW	4/13/16	1125		G	1	1	1	3	2	1	1	1				1	3		1		
-007	SD-3	SD	4/13/16	1135		G	3	1	1	1	1	1	1	1	5		3						
-008	SW-4	SW	4/13/16	1240		G	1	1	1	3	2	1	1	1				1	3		1		
-009	SD-4	SD	4/13/16	1250		G	3	1	1	1	1	1	1	1	5		3						
-010	TB-20160413	WQ	4/13/16	—		G	1	1	1	3	1	1	1	1					3				Trip Blank

10) Relinquished by:	Accepted by:	Date	Time
Jen Becker		4/13/16	1500
		4/14/16	7:25

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- ☐ BN or BNA (8270D SIM)
- ☐ VOC (8260C SIM or 8011)
- ☐ SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- ☐ NJDEP GWQS
- ☐ NJDEP SRS
- ☐ NJDEP SPLP
- ☐ Other (specify):

Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.4, 2.1°

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

6041416 0004

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 Route 46 West and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787 | 973-439-1458
Service Center: 137-D Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

CHAIN OF CUSTODY RECORD

A Women-Owned, Disadvantaged, Small Business Enterprise

Project # (Lab Use Only): 6041416

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Customer Information

1a) Customer: HDR
Address: 1 International Blvd
Mahwah NJ 07495
1b) Email/Cell/Fax/Ph: melissadamacchia@hdnhc.com
1c) Send Invoice to:
1d) Send Report to:

Project Information

2a) Project: NYSDOT Harrison
2b) Project Mgr: Melissa LaMacchia
2c) Project Location (City/State): Harrison, NY
2d) Quote/PO # (If Applicable): 220722

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
When Available:	Data Summary	Hazsite/CSV
1 Business Day (100%)*	Results + QC (Waste)	EnviroData
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10 Business Days (Stand.)	Category A	4-File/EZ/NYS/Reg. 2 or 5
Other: Standard	Electronic (PDF)	Other:

AS PER CONTRACT

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY ↓

Batch # AC90749

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<== Check If Contingent <==

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	VOID	BNA20	TAL Metals	CN	Chloride							8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
↓-011	FB-20160413	WQ	4/13/16	1210		G	3	2	1	1	1							3			1	3		1		

10) Relinquished by:	Accepted by:	Date	Time
Jen Becker	[signature]	4/13/16	1500
[signature]	[signature]	4/14/16	725

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270D SIM)
- [ ] VOC (8260C SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)

For NNJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.4, 2.1

11) Sampler (print name): Date:

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

CONDITION UPON RECEIPT

Batch Number AC90749 Entered By: Frantz
Date Entered 4/14/2016 1:33:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	Yes	Are the COC seals intact?
4	T0054	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.4,2.1
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify
14	NA	Corrective actions (Specify item number and corrective action taken).

PRESERVATION DOCUMENT

Batch Number AC90749

Entered By: Frantz

Date Entered 4/14/2016 1:45:00 PM

Lab#:	Container Siz	Container/Vial Check	Parameter	Preservative	PH
AC90749-001	40mL	G	VO	HCL	1
AC90749-001	1L	P	METALS	HNO3	1
AC90749-001	500ML	G	CN	NaOH	14
AC90749-002	40mL	G	VO	HCL	1
AC90749-002	1L	P	METALS	HNO3	1
AC90749-002	500ML	G	CN	NaOH	14
AC90749-003	NA	NA	NA	NA	NA
AC90749-004	40ml	G	VO	HCL	1
AC90749-004	1L	P	METALS	HNO3	1
AC90749-004	500ML	G	CN	NaOH	14
AC90749-005	NA	NA	NA	NA	NA
AC90749-006	40ml	G	VO	HCL	1
AC90749-006	1L	P	METALS	HNO3	1
AC90749-006	500ML	G	CN	NaOH	14
AC90749-007	NA	NA	NA	NA	NA
AC90749-008	40ml	G	VO	HCL	1
AC90749-008	1L	P	METALS	HNO3	1
AC90749-008	500ML	G	CN	NaOH	14
AC90749-009	NA	NA	NA	NA	NA
AC90749-010	40ml	G	VO	HCL	1
AC90749-011	40ml	G	VO	HCL	1
AC90749-011	1L	P	METALS	HNO3	1
AC90749-011	500ML	G	CN	NaOH	14

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC90749-001	04/14/16 13:25	FRANT	0	M	Received
AC90749-001	04/14/16 13:33	FRANT	0	M	Login
AC90749-001	04/15/16 07:14	R31	1	A	PH/CHECK
AC90749-001	04/15/16 07:17	R31	2	A	NONE
AC90749-001	04/15/16 17:43	WP	2	A	VOA
AC90749-001	04/15/16 18:08	R31	2	A	NONE
AC90749-001	04/18/16 14:00	WP	2	A	VOA
AC90749-001	04/15/16 07:17	R31	3	A	NONE
AC90749-001	04/14/16 17:57	R12	4	A	NONE
AC90749-001	04/22/16 09:45	JW	4	A	IC
AC90749-001	04/22/16 17:36	R12	4	A	NONE
AC90749-001	04/14/16 17:57	R12	5	A	NONE
AC90749-001	04/19/16 04:49	SP	5	A	tdw-hg
AC90749-001	04/19/16 04:50	SP	5	A	r12
AC90749-001	04/14/16 17:57	R12	6	A	NONE
AC90749-001	04/15/16 09:59	JW	6	A	CN
AC90749-001	04/15/16 11:57	R12	6	A	NONE
AC90749-001	04/14/16 17:57	R12	7	A	NONE
AC90749-001	04/19/16 08:10	JIR	7	A	bn
AC90749-001	04/14/16 17:57	R12	8	A	NONE
AC90749-002	04/14/16 13:25	FRANT	0	M	Received
AC90749-002	04/14/16 13:33	FRANT	0	M	Login
AC90749-002	04/15/16 07:17	R31	1	A	NONE
AC90749-002	04/15/16 07:17	R31	2	A	NONE
AC90749-002	04/15/16 17:43	WP	2	A	VOA
AC90749-002	04/15/16 18:08	R31	2	A	NONE
AC90749-002	04/18/16 14:00	WP	2	A	VOA
AC90749-002	04/15/16 07:14	R31	3	A	PH/CHECK
AC90749-002	04/14/16 17:57	R12	4	A	NONE
AC90749-002	04/22/16 09:45	JW	4	A	IC
AC90749-002	04/22/16 17:36	R12	4	A	NONE
AC90749-002	04/14/16 17:57	R12	5	A	NONE
AC90749-002	04/19/16 04:49	SP	5	A	tdw-hg
AC90749-002	04/19/16 04:50	SP	5	A	r12
AC90749-002	04/14/16 17:57	R12	6	A	NONE
AC90749-002	04/15/16 09:59	JW	6	A	CN
AC90749-002	04/15/16 11:57	R12	6	A	NONE
AC90749-002	04/14/16 17:57	R12	7	A	NONE
AC90749-002	04/19/16 08:10	JIR	7	A	bn
AC90749-002	04/14/16 17:57	R12	8	A	NONE
AC90749-003	04/14/16 13:25	FRANT	0	M	Received
AC90749-003	04/14/16 13:33	FRANT	0	M	Login
AC90749-003	04/14/16 17:57	R12	1	A	NONE
AC90749-003	04/19/16 07:17	MSL	1	A	bn
AC90749-003	04/19/16 07:18	R12	1	A	NONE
AC90749-003	04/14/16 17:57	R12	2	A	NONE
AC90749-003	04/14/16 22:24	PA	2	A	mix
AC90749-003	04/14/16 22:24	R12	2	A	NONE
AC90749-003	04/15/16 08:34	BCT	2	A	% SOLIDS
AC90749-003	04/15/16 14:27	R12	2	A	NONE
AC90749-003	04/19/16 04:48	SP	2	A	tdsi-h
AC90749-003	04/19/16 04:50	SP	2	A	r12
AC90749-003	04/19/16 10:04	ANTH	2	A	CN
AC90749-003	04/19/16 11:51	R12	2	A	NONE
AC90749-003	04/25/16 17:01	JW	2	A	ic
AC90749-003	04/25/16 17:12	R12	2	A	NONE
AC90749-003	04/14/16 14:47	R31	4	A	NONE
AC90749-003	04/15/16 10:46	SG	4	M	VOA
AC90749-003	04/15/16 11:46	R31	4	A	NONE
AC90749-003	04/14/16 14:48	F19	5	A	NONE
AC90749-003	04/15/16 15:14	SG	5	A	VOA
AC90749-003	04/14/16 14:48	F19	6	A	NONE
AC90749-004	04/14/16 13:25	FRANT	0	M	Received
AC90749-004	04/14/16 13:33	FRANT	0	M	Login
AC90749-004	04/15/16 07:14	R31	1	A	PH/CHECK
AC90749-004	04/15/16 07:17	R31	2	A	NONE
AC90749-004	04/15/16 17:43	WP	2	A	VOA
AC90749-004	04/15/16 18:08	R31	2	A	NONE
AC90749-004	04/18/16 14:00	WP	2	A	VOA
AC90749-004	04/15/16 07:17	R31	3	A	NONE
AC90749-004	04/14/16 17:57	R12	4	A	NONE
AC90749-004	04/22/16 09:45	JW	4	A	IC
AC90749-004	04/22/16 17:36	R12	4	A	NONE
AC90749-004	04/14/16 17:57	R12	5	A	NONE
AC90749-004	04/19/16 04:49	SP	5	A	tdw-hg
AC90749-004	04/19/16 04:50	SP	5	A	r12
AC90749-004	04/14/16 17:57	R12	6	A	NONE
AC90749-004	04/15/16 09:59	JW	6	A	CN
AC90749-004	04/15/16 11:57	R12	6	A	NONE
AC90749-004	04/14/16 17:57	R12	7	A	NONE
AC90749-004	04/19/16 08:10	JIR	7	A	bn
AC90749-004	04/14/16 17:57	R12	8	A	NONE
AC90749-005	04/14/16 13:25	FRANT	0	M	Received
AC90749-005	04/14/16 13:33	FRANT	0	M	Login
AC90749-005	04/14/16 17:57	R12	1	A	NONE
AC90749-005	04/19/16 07:17	MSL	1	A	bn
AC90749-005	04/19/16 07:18	R12	1	A	NONE
AC90749-005	04/14/16 17:57	R12	2	A	NONE
AC90749-005	04/14/16 22:24	R12	2	A	NONE
AC90749-005	04/14/16 22:24	PA	2	A	mix
AC90749-005	04/15/16 08:34	BCT	2	A	% SOLIDS
AC90749-005	04/15/16 14:27	R12	2	A	NONE
AC90749-005	04/19/16 04:48	SP	2	A	tdsi-h
AC90749-005	04/19/16 04:50	SP	2	A	r12
AC90749-005	04/19/16 10:04	ANTH	2	A	CN
AC90749-005	04/19/16 11:51	R12	2	A	NONE
AC90749-005	04/25/16 17:01	JW	2	A	ic
AC90749-005	04/25/16 17:12	R12	2	A	NONE
AC90749-005	04/14/16 14:47	R31	4	A	NONE
AC90749-005	04/15/16 10:46	SG	4	M	VOA
AC90749-005	04/15/16 11:46	R31	4	A	NONE
AC90749-005	04/14/16 14:48	F19	5	A	NONE
AC90749-005	04/14/16 14:48	F19	6	A	NONE
AC90749-005	04/15/16 19:57	WP	6	A	VOA
AC90749-006	04/14/16 13:25	FRANT	0	M	Received
AC90749-006	04/14/16 13:33	FRANT	0	M	Login
AC90749-006	04/15/16 07:17	R31	1	A	NONE
AC90749-006	04/15/16 17:43	WP	2	A	VOA
AC90749-006	04/15/16 18:08	R31	2	A	NONE
AC90749-006	04/18/16 14:00	WP	2	A	VOA
AC90749-006	04/15/16 07:14	R31	3	A	PH/CHECK
AC90749-006	04/14/16 17:57	R12	4	A	NONE
AC90749-006	04/22/16 09:45	JW	4	A	IC
AC90749-006	04/22/16 17:36	R12	4	A	NONE
AC90749-006	04/25/16 10:24	JW	4	A	IC
AC90749-006	04/25/16 16:23	R12	4	A	NONE
AC90749-006	04/14/16 17:57	R12	5	A	NONE
AC90749-006	04/19/16 07:12	SP	5	A	TDWI-HG
AC90749-006	04/19/16 07:13	SP	5	A	R12
AC90749-006	04/14/16 17:57	R12	6	A	NONE
AC90749-006	04/15/16 09:59	JW	6	A	CN
AC90749-006	04/15/16 11:57	R12	6	A	NONE
AC90749-006	04/14/16 17:57	R12	7	A	NONE
AC90749-006	04/14/16 17:57	R12	8	A	NONE
AC90749-006	04/19/16 08:10	JIR	8	A	bn
AC90749-007	04/14/16 13:25	FRANT	0	M	Received
AC90749-007	04/14/16 13:33	FRANT	0	M	Login
AC90749-007	04/14/16 17:57	R12	1	A	NONE
AC90749-007	04/19/16 07:17	MSL	1	A	bn
AC90749-007	04/19/16 07:18	R12	1	A	NONE
AC90749-007	04/14/16 17:57	R12	2	A	NONE
AC90749-007	04/14/16 22:24	R12	2	A	NONE
AC90749-007	04/14/16 22:24	PA	2	A	mix
AC90749-007	04/15/16 08:34	BCT	2	A	% SOLIDS
AC90749-007	04/15/16 14:27	R12	2	A	NONE
AC90749-007	04/19/16 04:48	SP	2	A	tdsi-h
AC90749-007	04/19/16 04:50	SP	2	A	r12
AC90749-007	04/19/16 10:04	ANTH	2	A	CN
AC90749-007	04/19/16 11:51	R12	2	A	NONE
AC90749-007	04/25/16 17:01	JW	2	A	ic
AC90749-007	04/25/16 17:12	R12	2	A	NONE
AC90749-007	04/14/16 14:47	R31	4	A	NONE
AC90749-007	04/15/16 10:46	SG	4	M	VOA
AC90749-007	04/15/16 11:46	R31	4	A	NONE
AC90749-007	04/14/16 14:48	F19	5	A	NONE
AC90749-007	04/14/16 14:48	F19	6	A	NONE
AC90749-007	04/15/16 19:57	WP	6	A	VOA
AC90749-008	04/14/16 13:25	FRANT	0	M	Received
AC90749-008	04/14/16 13:33	FRANT	0	M	Login
AC90749-008	04/15/16 07:14	R31	1	A	PH/CHECK

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC90749-008	04/15/16 07:17	R31	2	A	NONE
AC90749-008	04/15/16 17:43	WP	2	A	VOA
AC90749-008	04/15/16 18:08	R31	2	A	NONE
AC90749-008	04/18/16 14:00	WP	2	A	VOA
AC90749-008	04/15/16 07:17	R31	3	A	NONE
AC90749-008	04/14/16 17:57	R12	4	A	NONE
AC90749-008	04/22/16 09:45	JW	4	A	IC
AC90749-008	04/22/16 17:36	R12	4	A	NONE
AC90749-008	04/14/16 17:57	R12	5	A	NONE
AC90749-008	04/19/16 04:49	SP	5	A	tdw-hg
AC90749-008	04/19/16 04:50	SP	5	A	r12
AC90749-008	04/14/16 17:57	R12	6	A	NONE
AC90749-008	04/15/16 09:59	JW	6	A	CN
AC90749-008	04/15/16 11:57	R12	6	A	NONE
AC90749-008	04/14/16 17:57	R12	7	A	NONE
AC90749-008	04/14/16 17:57	R12	8	A	NONE
AC90749-008	04/19/16 08:10	JIR	8	A	bn
AC90749-009	04/14/16 13:25	FRANT	0	M	Received
AC90749-009	04/14/16 13:33	FRANT	0	M	Login
AC90749-009	04/14/16 17:57	R12	1	A	NONE
AC90749-009	04/19/16 07:17	MSL	1	A	bn
AC90749-009	04/19/16 07:18	R12	1	A	NONE
AC90749-009	04/14/16 17:57	R12	2	A	NONE
AC90749-009	04/14/16 22:24	PA	2	A	mix
AC90749-009	04/14/16 22:24	R12	2	A	NONE
AC90749-009	04/15/16 08:34	BCT	2	A	% SOLIDS
AC90749-009	04/15/16 14:27	R12	2	A	NONE
AC90749-009	04/19/16 04:48	SP	2	A	tdsi-h
AC90749-009	04/19/16 04:50	SP	2	A	r12
AC90749-009	04/19/16 10:04	ANTH	2	A	CN
AC90749-009	04/19/16 11:51	R12	2	A	NONE
AC90749-009	04/25/16 17:01	JW	2	A	ic
AC90749-009	04/25/16 17:12	R12	2	A	NONE
AC90749-009	04/14/16 14:47	R31	4	A	NONE
AC90749-009	04/15/16 10:46	SG	4	M	VOA
AC90749-009	04/15/16 11:46	R31	4	A	NONE
AC90749-009	04/14/16 14:48	F19	5	A	NONE
AC90749-009	04/14/16 14:48	F19	6	A	NONE
AC90749-009	04/15/16 19:57	WP	6	A	VOA
AC90749-010	04/14/16 13:25	FRANT	0	M	Received
AC90749-010	04/14/16 13:33	FRANT	0	M	Login
AC90749-010	04/15/16 07:17	R31	1	A	NONE
AC90749-010	04/15/16 07:17	R31	2	A	NONE
AC90749-010	04/15/16 17:43	WP	2	A	VOA
AC90749-010	04/15/16 18:08	R31	2	A	NONE
AC90749-010	04/18/16 14:00	WP	2	A	VOA
AC90749-010	04/15/16 07:14	R31	3	A	PH/CHECK
AC90749-011	04/14/16 13:25	FRANT	0	M	Received
AC90749-011	04/14/16 13:33	FRANT	0	M	Login
AC90749-011	04/15/16 07:14	R31	1	A	PH/CHECK
AC90749-011	04/15/16 07:17	R31	2	A	NONE
AC90749-011	04/15/16 17:43	WP	2	A	VOA
AC90749-011	04/15/16 18:08	R31	2	A	NONE
AC90749-011	04/18/16 14:00	WP	2	A	VOA
AC90749-011	04/15/16 07:17	R31	3	A	NONE
AC90749-011	04/14/16 17:57	R12	4	A	NONE
AC90749-011	04/22/16 09:45	JW	4	A	IC
AC90749-011	04/22/16 17:36	R12	4	A	NONE
AC90749-011	04/14/16 17:57	R12	5	A	NONE
AC90749-011	04/19/16 04:49	SP	5	A	tdw-hg
AC90749-011	04/19/16 04:50	SP	5	A	r12
AC90749-011	04/14/16 17:57	R12	6	A	NONE
AC90749-011	04/15/16 09:59	JW	6	A	CN
AC90749-011	04/15/16 11:57	R12	6	A	NONE
AC90749-011	04/14/16 17:57	R12	7	A	NONE
AC90749-011	04/19/16 08:10	JIR	7	A	bn
AC90749-011	04/14/16 17:57	R12	8	A	NONE

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis

Samples marked as received are stored in coolers or refrigerator R12, or R24 at 4 deg C until Login

Laboratory Chronicle

Client: HDR **HC Project #:** 6041416

Project: NYSDOT-Harrison

Lab#: AC90749-001 **Sample ID: SW-1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		04/22/16	Janee	300.0 rev2.1	4/23/16 07:10	Janee
Cyanide (Water) EPA 335.4	EPA 335.4	04/15/16	Janee	EPA 335.4	4/15/16 12:52	jw
Mercury (Water) 245.1	245.1 rev3.0	04/19/16	snezana	245.1 rev3.0	4/25/16 11:03	CJA
Semivolatile Organics + 20 (625)	EPA 625	04/19/16	jir	EPA 625	4/19/16 19:57	AH/JB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 13:36	SRB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 19:49	SRB
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/20/16 07:16	PC
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/21/16 00:20	PC
Volatile Organics + 10 (624)	EPA 624			EPA 624	4/19/16 00:11	SG

Lab#: AC90749-002 **Sample ID: SW-10**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		04/22/16	Janee	300.0 rev2.1	4/23/16 00:23	Janee
Cyanide-Water (EPA 335.4)	EPA 335.4	04/15/16	Janee	EPA 335.4	4/15/16 13:02	jw
Mercury (Water) 245.1	245.1 rev3.0	04/19/16	snezana	245.1 rev3.0	4/25/16 11:04	CJA
Semivolatile Organics + 20 (625)	EPA 625	04/19/16	jir	EPA 625	4/19/16 20:20	AH/JB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 14:50	SRB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 20:46	SRB
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/20/16 08:12	PC
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/21/16 01:11	PC
Volatile Organics + 10 (624)	EPA 624			EPA 624	4/18/16 23:54	SG

Lab#: AC90749-003 **Sample ID: SD-1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	4/15/16 00:00	hossain
Chloride (Soil) 9056A		04/25/16	Janee	EPA 9056A	4/25/16 23:03	Janee
Cyanide (Soil/Waste) 9012B		04/19/16	Anthony	EPA 9012B	4/19/16 13:35	af
Mercury (Soil/Waste) 7471A	EPA 7471B	04/19/16	snezana	EPA 7471B	4/22/16 12:23	CJA
Semivolatile Organics + 20 (8270)	3510C/3550C	04/19/16	marie	EPA 8270D	4/19/16 16:48	AH/JB
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/20/16 00:45	OA
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/19/16 21:40	OA
TAL Metals 6020	3005&10/3050	04/19/16	snezana	EPA 6020A	4/20/16 01:43	PC
Volatile Organics + 10 (8260)	EPA5030/5035			EPA 8260C	4/15/16 16:41	SG

Laboratory Chronicle

Client: HDR **HC Project #:** 6041416

Project: NYSDOT-Harrison

Lab#: AC90749-004 **Sample ID: SW-2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		04/22/16	Janee	300.0 rev2.1	4/23/16 00:50	Janee
Cyanide-Water (EPA 335.4)	EPA 335.4	04/15/16	Janee	EPA 335.4	4/15/16 13:04	jw
Mercury (Water) 245.1	245.1 rev3.0	04/19/16	snezana	245.1 rev3.0	4/25/16 11:06	CJA
Semivolatile Organics + 20 (625)	EPA 625	04/19/16	jir	EPA 625	4/19/16 20:43	AH/JB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 14:53	SRB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 20:49	SRB
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/20/16 08:16	PC
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/21/16 01:16	PC
Volatile Organics + 10 (624)	EPA 624			EPA 624	4/18/16 23:37	SG

Lab#: AC90749-005 **Sample ID: SD-2**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	4/15/16 00:00	hossain
Chloride (Soil) 9056A		04/25/16	Janee	EPA 9056A	4/26/16 00:23	Janee
Cyanide (Soil/Waste) 9012B		04/19/16	Anthony	EPA 9012B	4/19/16 13:37	af
Mercury (Soil/Waste) 7471A	EPA 7471B	04/19/16	snezana	EPA 7471B	4/22/16 12:28	CJA
Semivolatile Organics + 20 (8270)	3510C/3550C	04/19/16	marie	EPA 8270D	4/19/16 17:11	AH/JB
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/19/16 21:44	OA
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/20/16 00:48	OA
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/20/16 16:14	OA
TAL Metals 6020	3005&10/3050	04/19/16	snezana	EPA 6020A	4/20/16 01:49	PC
Volatile Organics + 10 (8260)	EPA5030/5035			EPA 8260C	4/15/16 23:30	WP

Lab#: AC90749-006 **Sample ID: SW-3**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		04/25/16	Janee	300.0 rev2.1	4/25/16 14:38	Janee
Cyanide-Water (EPA 335.4)	EPA 335.4	04/15/16	Janee	EPA 335.4	4/15/16 13:06	jw
Mercury (Water) 245.1	245.1 rev3.0	04/19/16	snezana	245.1 rev3.0	4/25/16 11:08	CJA
Semivolatile Organics + 20 (625)	EPA 625	04/19/16	jir	EPA 625	4/19/16 21:06	AH/JB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 14:57	SRB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 20:53	SRB
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/20/16 08:20	PC
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/21/16 01:20	PC
Volatile Organics + 10 (624)	EPA 624			EPA 624	4/18/16 23:21	SG

Laboratory Chronicle

Client: HDR **HC Project #:** 6041416

Project: NYSDOT-Harrison

Lab#: AC90749-007 **Sample ID: SD-3**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	4/15/16 00:00	hossain
Chloride (Soil) 9056A		04/25/16	Janee	EPA 9056A	4/26/16 00:51	Janee
Cyanide (Soil/Waste) 9012B		04/19/16	Anthony	EPA 9012B	4/19/16 13:39	af
Mercury (Soil/Waste) 7471A	EPA 7471B	04/19/16	snezana	EPA 7471B	4/22/16 12:29	CJA
Semivolatile Organics + 20 (8270)	3510C/3550C	04/19/16	marie	EPA 8270D	4/19/16 17:34	AH/JB
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/19/16 21:48	OA
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/20/16 00:52	OA
TAL Metals 6020	3005&10/3050	04/19/16	snezana	EPA 6020A	4/20/16 01:55	PC
Volatile Organics + 10 (8260)	EPA5030/5035			EPA 8260C	4/15/16 22:55	WP

Lab#: AC90749-008 **Sample ID: SW-4**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		04/22/16	Janee	300.0 rev2.1	4/23/16 01:44	Janee
Cyanide-Water (EPA 335.4)	EPA 335.4	04/15/16	Janee	EPA 335.4	4/15/16 13:13	jw
Mercury (Water) 245.1	245.1 rev3.0	04/19/16	snezana	245.1 rev3.0	4/25/16 11:09	CJA
Semivolatile Organics + 20 (625)	EPA 625	04/19/16	jir	EPA 625	4/19/16 21:29	AH/JB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 15:00	SRB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 20:56	SRB
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/20/16 08:25	PC
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/21/16 01:24	PC
Volatile Organics + 10 (624)	EPA 624			EPA 624	4/18/16 23:04	SG

Lab#: AC90749-009 **Sample ID: SD-4**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	4/15/16 00:00	hossain
Chloride (Soil) 9056A		04/25/16	Janee	EPA 9056A	4/26/16 01:18	Janee
Cyanide (Soil/Waste) 9012B		04/19/16	Anthony	EPA 9012B	4/19/16 13:41	af
Mercury (Soil/Waste) 7471A	EPA 7471B	04/19/16	snezana	EPA 7471B	4/22/16 12:30	CJA
Semivolatile Organics + 20 (8270)	3510C/3550C	04/19/16	marie	EPA 8270D	4/19/16 17:57	AH/JB
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/20/16 00:55	OA
TAL Metals 6010	3005&10/3050	04/19/16	snezana	EPA 6010C	4/19/16 21:52	OA
TAL Metals 6020	3005&10/3050	04/19/16	snezana	EPA 6020A	4/20/16 02:01	PC
Volatile Organics + 10 (8260)	EPA5030/5035			EPA 8260C	4/15/16 23:12	WP

Laboratory Chronicle

Client: HDR **HC Project #:** 6041416

Project: NYSDOT-Harrison

Lab#: AC90749-010 **Sample ID: TB-20160413**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics + 10 (624)	EPA 624			EPA 624	4/18/16 22:48	SG

Lab#: AC90749-011 **Sample ID: FB-20160413**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		04/22/16	Janee	300.0 rev2.1	4/23/16 03:32	Janee
Cyanide-Water (EPA 335.4)	EPA 335.4	04/15/16	Janee	EPA 335.4	4/15/16 13:16	jw
Mercury (Water) 245.1	245.1 rev3.0	04/19/16	snezana	245.1 rev3.0	4/25/16 11:11	CJA
Semivolatile Organics + 20 (625)	EPA 625	04/19/16	jir	EPA 625	4/19/16 21:52	AH/JB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 15:04	SRB
TAL Metals 200.7	EPA 200.2	04/19/16	snezana	EPA 200.7	4/21/16 20:59	SRB
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/20/16 08:29	PC
TAL Metals 200.8	EPA 200.2	04/19/16	snezana	EPA 200.8	4/21/16 01:29	PC
Volatile Organics + 10 (624)	EPA 624			EPA 624	4/18/16 22:31	SG

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

MDL = Method Detection Limit

RL* = Reporting Limit

ND = Not Detected

RT = Retention Time

NA = Not Applicable

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

A- Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

R- Retention Time is out.

Y- Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

HC Report of Analysis

Client: HDR
Project: NYSDOT-Harrison

HC Project #: 6041416

Sample ID: SW-1
Lab#: AC90749-001
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	5.2

Cyanide (Water) EPA 335.4

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.0	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.0	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.50	ND
2,4-Dimethylphenol	1	ug/l	0.50	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Acetophenone	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Atrazine	1	ug/l	2.0	ND
Benzaldehyde	1	ug/l	2.0	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene	1	ug/l	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	2.0	ND

Sample ID: SW-1 **Collection Date: 4/13/2016**
Lab#: AC90749-001 **Receipt Date: 4/14/2016**
Matrix: Aqueous

Benzo[k]fluoranthene	1	ug/l	2.0	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Caprolactam	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.50	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	1	ug/l	2.0	ND
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	2.0	ND
Hexachloroethane	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.0	ND
Isophorone	1	ug/l	2.0	ND
Naphthalene	1	ug/l	0.50	ND
Nitrobenzene	1	ug/l	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.50	ND
N-Nitrosodiphenylamine	1	ug/l	2.0	ND
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	1	ug/l	2.0	ND
Phenol	1	ug/l	2.0	ND
Pyrene	1	ug/l	2.0	ND

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.57**	**14JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**14J**

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	1	ug/l	25	ND
Calcium	**1**	**ug/l**	**1000**	**27000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**200**
Magnesium	**1**	**ug/l**	**1000**	**7900**
Manganese	**1**	**ug/l**	**25**	**400**
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**6600**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND

Sample ID: SW-1 **Collection Date: 4/13/2016**
Lab#: AC90749-001 **Receipt Date: 4/14/2016**
Matrix: Aqueous

Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND

Sample ID: SW-1 **Collection Date: 4/13/2016**
Lab#: AC90749-001 **Receipt Date: 4/14/2016**
Matrix: Aqueous

trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: SW-10
Lab#: AC90749-002
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	5.8

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND

Sample ID: SW-10 **Collection Date: 4/13/2016**
Lab#: AC90749-002 **Receipt Date: 4/14/2016**
Matrix: Aqueous

Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.57**	**13JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**13J**

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	1	ug/l	25	ND
Calcium	**1**	**ug/l**	**1000**	**28000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**210**
Magnesium	**1**	**ug/l**	**1000**	**8300**
Manganese	**1**	**ug/l**	**25**	**420**
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**6800**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: SW-10
Lab#: AC90749-002
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: SW-10
Lab#: AC90749-002
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: SD-1
Lab#: AC90749-003
Matrix: Soil/Encore

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		64

Chloride (Soil) 9056A

Analyte	DF	Units	RL	Result
Chloride	1	mg/kg	31	ND

Cyanide (Soil/Waste) 9012B

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	0.37	ND

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.13	ND

Semivolatile Organics + 20 (8270)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.052	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.052	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.052	ND
2,4,5-Trichlorophenol	1	mg/kg	0.052	ND
2,4,6-Trichlorophenol	1	mg/kg	0.052	ND
2,4-Dichlorophenol	1	mg/kg	0.013	ND
2,4-Dimethylphenol	1	mg/kg	0.013	ND
2,4-Dinitrophenol	1	mg/kg	0.26	ND
2,4-Dinitrotoluene	1	mg/kg	0.052	ND
2,6-Dinitrotoluene	1	mg/kg	0.052	ND
2-Chloronaphthalene	1	mg/kg	0.052	ND
2-Chlorophenol	1	mg/kg	0.052	ND
2-Methylnaphthalene	1	mg/kg	0.052	ND
2-Methylphenol	1	mg/kg	0.013	ND
2-Nitroaniline	1	mg/kg	0.052	ND
2-Nitrophenol	1	mg/kg	0.052	ND
3&4-Methylphenol	1	mg/kg	0.013	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.052	ND
3-Nitroaniline	1	mg/kg	0.052	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.26	ND
4-Bromophenyl-phenylether	1	mg/kg	0.052	ND
4-Chloro-3-methylphenol	1	mg/kg	0.052	ND
4-Chloroaniline	1	mg/kg	0.013	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.052	ND
4-Nitroaniline	1	mg/kg	0.052	ND
4-Nitrophenol	1	mg/kg	0.052	ND
Acenaphthene	1	mg/kg	0.052	ND
Acenaphthylene	1	mg/kg	0.052	ND
Acetophenone	1	mg/kg	0.052	ND
Anthracene	1	mg/kg	0.052	ND
Atrazine	1	mg/kg	0.052	ND
Benzaldehyde	1	mg/kg	0.052	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.052**	**0.064**
Benzo[a]pyrene	**1**	**mg/kg**	**0.052**	**0.079**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.052**	**0.13**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.052**	**0.074**
Benzo[k]fluoranthene	1	mg/kg	0.052	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.052	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.013	ND

Sample ID: SD-1 **Collection Date: 4/13/2016**
Lab#: AC90749-003 **Receipt Date: 4/14/2016**
Matrix: Soil/Encore

bis(2-Chloroisopropyl)ether	1	mg/kg	0.052	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.052	ND
Butylbenzylphthalate	1	mg/kg	0.052	ND
Caprolactam	1	mg/kg	0.052	ND
Carbazole	1	mg/kg	0.052	ND
Chrysene	1	**mg/kg**	**0.052**	**0.080**
Dibenzo[a,h]anthracene	1	mg/kg	0.052	ND
Dibenzofuran	1	mg/kg	0.013	ND
Diethylphthalate	1	mg/kg	0.052	ND
Dimethylphthalate	1	mg/kg	0.052	ND
Di-n-butylphthalate	1	mg/kg	0.013	ND
Di-n-octylphthalate	1	mg/kg	0.052	ND
Fluoranthene	1	**mg/kg**	**0.052**	**0.15**
Fluorene	1	mg/kg	0.052	ND
Hexachlorobenzene	1	mg/kg	0.052	ND
Hexachlorobutadiene	1	mg/kg	0.052	ND
Hexachlorocyclopentadiene	1	mg/kg	0.10	ND
Hexachloroethane	1	mg/kg	0.052	ND
Indeno[1,2,3-cd]pyrene	1	**mg/kg**	**0.052**	**0.054**
Isophorone	1	mg/kg	0.052	ND
Naphthalene	1	mg/kg	0.013	ND
Nitrobenzene	1	mg/kg	0.052	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.013	ND
N-Nitrosodiphenylamine	1	mg/kg	0.052	ND
Pentachlorophenol	1	mg/kg	0.068	ND
Phenanthrene	1	mg/kg	0.052	ND
Phenol	1	mg/kg	0.052	ND
Pyrene	1	**mg/kg**	**0.052**	**0.13**

Semivolatile Organics + 20 (8270) Library Searches

Analyte	DF	Units	RT	Result
Pentadecane	1	**mg/kg**	**11.91**	**0.30J**
unknown	1	**mg/kg**	**12.58**	**0.27J**
Cyclohexadecane	1	**mg/kg**	**12.74**	**0.44J**
10a.beta.-Hydroxymethyl-7-methoxy-3,3-d	1	**mg/kg**	**13.53**	**1.4J**
Heptadecane, 2,6,10,15-tetramethyl-	1	**mg/kg**	**13.88**	**0.34J**
Hexadecane	1	**mg/kg**	**14.24**	**0.73J**
unknown	1	**mg/kg**	**14.82**	**0.57J**
.gamma.-Tocopherol	1	**mg/kg**	**14.93**	**0.29J**
Hexatriacontane	1	**mg/kg**	**15.05**	**0.65J**
Vitamin E	1	**mg/kg**	**15.29**	**0.90J**
unknown	1	**mg/kg**	**15.65**	**0.63J**
Tetradecanal	1	**mg/kg**	**15.78**	**0.46J**
unknown	1	**mg/kg**	**15.82**	**0.25J**
unknown	1	**mg/kg**	**15.98**	**0.44J**
unknown	1	**mg/kg**	**16.12**	**0.51J**
Stigmast-5-en-3-ol, (3.beta.,24S)-	1	**mg/kg**	**16.47**	**3.3J**
unknown	1	**mg/kg**	**16.57**	**0.32J**
unknown	1	**mg/kg**	**4.07**	**1.0JB**
2-Pentanone, 4-hydroxy-4-methyl-	1	**mg/kg**	**4.37**	**27JAB**
unknown	1	**mg/kg**	**5.07**	**0.30JB**
TotalSemiVolatileTic	1	**mg/kg**	**NA**	**40J**

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	**mg/kg**	**310**	**25000**
Barium	1	**mg/kg**	**16**	**210**

Sample ID: SD-1 **Collection Date: 4/13/2016**
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Matrix: Soil/Encore

Calcium	**1**	**mg/kg**	**1600**	**5200**
Chromium	**1**	**mg/kg**	**7.8**	**52**
Cobalt	**1**	**mg/kg**	**3.9**	**19**
Copper	**1**	**mg/kg**	**7.8**	**50**
Iron	**1**	**mg/kg**	**310**	**43000**
Lead	**1**	**mg/kg**	**7.8**	**29**
Magnesium	**1**	**mg/kg**	**780**	**9300**
Manganese	**1**	**mg/kg**	**16**	**1100**
Nickel	**1**	**mg/kg**	**7.8**	**40**
Potassium	**1**	**mg/kg**	**780**	**6200**
Sodium	1	mg/kg	390	ND
Vanadium	**1**	**mg/kg**	**16**	**74**
Zinc	**1**	**mg/kg**	**16**	**130**

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	1.2	ND
Arsenic	**1**	**mg/kg**	**0.31**	**2.1**
Beryllium	1	mg/kg	0.31	ND
Cadmium	1	mg/kg	0.62	ND
Selenium	1	mg/kg	3.1	ND
Silver	1	mg/kg	0.31	ND
Thallium	1	mg/kg	0.62	ND

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1.07	mg/kg	0.0034	ND
1,1,2,2-Tetrachloroethane	1.07	mg/kg	0.0034	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.07	mg/kg	0.0034	ND
1,1,2-Trichloroethane	1.07	mg/kg	0.0034	ND
1,1-Dichloroethane	1.07	mg/kg	0.0034	ND
1,1-Dichloroethene	1.07	mg/kg	0.0034	ND
1,2,3-Trichlorobenzene	1.07	mg/kg	0.0034	ND
1,2,4-Trichlorobenzene	1.07	mg/kg	0.0034	ND
1,2-Dibromo-3-chloropropane	1.07	mg/kg	0.0034	ND
1,2-Dibromoethane	1.07	mg/kg	0.0034	ND
1,2-Dichlorobenzene	1.07	mg/kg	0.0034	ND
1,2-Dichloroethane	1.07	mg/kg	0.0034	ND
1,2-Dichloropropane	1.07	mg/kg	0.0034	ND
1,3-Dichlorobenzene	1.07	mg/kg	0.0034	ND
1,4-Dichlorobenzene	1.07	mg/kg	0.0034	ND
1,4-Dioxane	1.07	mg/kg	0.17	ND
2-Butanone	1.07	mg/kg	0.0034	ND
2-Hexanone	1.07	mg/kg	0.0034	ND
4-Methyl-2-pentanone	1.07	mg/kg	0.0034	ND
Acetone	1.07	mg/kg	0.017	ND
Benzene	1.07	mg/kg	0.0017	ND
Bromochloromethane	1.07	mg/kg	0.0034	ND
Bromodichloromethane	1.07	mg/kg	0.0034	ND
Bromoform	1.07	mg/kg	0.0034	ND
Bromomethane	1.07	mg/kg	0.0034	ND
Carbon disulfide	1.07	mg/kg	0.0034	ND
Carbon tetrachloride	1.07	mg/kg	0.0034	ND
Chlorobenzene	1.07	mg/kg	0.0034	ND
Chloroethane	1.07	mg/kg	0.0034	ND
Chloroform	1.07	mg/kg	0.0034	ND
Chloromethane	1.07	mg/kg	0.0034	ND

Sample ID: SD-1 **Collection Date:** 4/13/2016
Lab#: AC90749-003 **Receipt Date:** 4/14/2016
Matrix: Soil/Encore

cis-1,2-Dichloroethene	1.07	mg/kg	0.0034	ND
cis-1,3-Dichloropropene	1.07	mg/kg	0.0034	ND
Cyclohexane	1.07	mg/kg	0.0034	ND
Dibromochloromethane	1.07	mg/kg	0.0034	ND
Dichlorodifluoromethane	1.07	mg/kg	0.0034	ND
Ethylbenzene	1.07	mg/kg	0.0017	ND
Isopropylbenzene	1.07	mg/kg	0.0017	ND
m&p-Xylenes	1.07	mg/kg	0.0017	ND
Methyl Acetate	1.07	mg/kg	0.0034	ND
Methylcyclohexane	1.07	mg/kg	0.0034	ND
Methylene chloride	1.07	mg/kg	0.0034	ND
Methyl-t-butyl ether	1.07	mg/kg	0.0017	ND
o-Xylene	1.07	mg/kg	0.0017	ND
Styrene	1.07	mg/kg	0.0034	ND
Tetrachloroethene	1.07	mg/kg	0.0034	ND
Toluene	1.07	mg/kg	0.0017	ND
trans-1,2-Dichloroethene	1.07	mg/kg	0.0034	ND
trans-1,3-Dichloropropene	1.07	mg/kg	0.0034	ND
Trichloroethene	1.07	mg/kg	0.0034	ND
Trichlorofluoromethane	1.07	mg/kg	0.0034	ND
Vinyl chloride	1.07	mg/kg	0.0034	ND
Xylenes (Total)	1.07	mg/kg	0.0017	ND

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1.07	mg/kg	NA	ND
TotalVolatileTic	1.07	mg/kg	NA	ND

Sample ID: SW-2
Lab#: AC90749-004
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	11

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.0	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.0	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.50	ND
2,4-Dimethylphenol	1	ug/l	0.50	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND
2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.50	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.50	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	0.50	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Acetophenone	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Atrazine	1	ug/l	2.0	ND
Benzaldehyde	1	ug/l	2.0	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene	1	ug/l	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	2.0	ND
Benzo[k]fluoranthene	1	ug/l	2.0	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Caprolactam	1	ug/l	2.0	ND

Sample ID: SW-2 **Collection Date: 4/13/2016**
Lab#: AC90749-004 **Receipt Date: 4/14/2016**
Matrix: Aqueous

Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	0.50	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.50	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	1	ug/l	2.0	ND
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	2.0	ND
Hexachloroethane	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.0	ND
Isophorone	1	ug/l	2.0	ND
Naphthalene	1	ug/l	0.50	ND
Nitrobenzene	1	ug/l	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.50	ND
N-Nitrosodiphenylamine	1	ug/l	2.0	ND
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	1	ug/l	2.0	ND
Phenol	1	ug/l	2.0	ND
Pyrene	1	ug/l	2.0	ND

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.56**	**12JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**12J**

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	1	ug/l	25	ND
Calcium	**1**	**ug/l**	**1000**	**25000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**7300**
Manganese	**1**	**ug/l**	**25**	**25**
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**9800**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: SW-2
Lab#: AC90749-004
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: SW-2
Lab#: AC90749-004
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: SD-2
Lab#: AC90749-005
Matrix: Soil/Encore

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		17

Chloride (Soil) 9056A

Analyte	DF	Units	RL	Result
Chloride	1	mg/kg	120	ND

Cyanide (Soil/Waste) 9012B

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	1.4	ND

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.49	ND

Semivolatile Organics + 20 (8270)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.20	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.20	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.20	ND
2,4,5-Trichlorophenol	1	mg/kg	0.20	ND
2,4,6-Trichlorophenol	1	mg/kg	0.20	ND
2,4-Dichlorophenol	1	mg/kg	0.049	ND
2,4-Dimethylphenol	1	mg/kg	0.049	ND
2,4-Dinitrophenol	1	mg/kg	0.98	ND
2,4-Dinitrotoluene	1	mg/kg	0.20	ND
2,6-Dinitrotoluene	1	mg/kg	0.20	ND
2-Chloronaphthalene	1	mg/kg	0.20	ND
2-Chlorophenol	1	mg/kg	0.20	ND
2-Methylnaphthalene	1	mg/kg	0.20	ND
2-Methylphenol	1	mg/kg	0.049	ND
2-Nitroaniline	1	mg/kg	0.20	ND
2-Nitrophenol	1	mg/kg	0.20	ND
3&4-Methylphenol	1	mg/kg	0.049	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.20	ND
3-Nitroaniline	1	mg/kg	0.20	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.98	ND
4-Bromophenyl-phenylether	1	mg/kg	0.20	ND
4-Chloro-3-methylphenol	1	mg/kg	0.20	ND
4-Chloroaniline	1	mg/kg	0.049	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.20	ND
4-Nitroaniline	1	mg/kg	0.20	ND
4-Nitrophenol	1	mg/kg	0.20	ND
Acenaphthene	1	mg/kg	0.20	ND
Acenaphthylene	1	mg/kg	0.20	ND
Acetophenone	1	mg/kg	0.20	ND
Anthracene	1	mg/kg	0.20	ND
Atrazine	1	mg/kg	0.20	ND
Benzaldehyde	1	mg/kg	0.20	ND
Benzo[a]anthracene	1	mg/kg	0.20	ND
Benzo[a]pyrene	**1**	**mg/kg**	**0.20**	**0.22**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.20**	**0.35**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.20**	**0.24**
Benzo[k]fluoranthene	1	mg/kg	0.20	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.20	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.049	ND

Sample ID: SD-2 **Collection Date:** 4/13/2016
Lab#: AC90749-005 **Receipt Date:** 4/14/2016
Matrix: Soil/Encore

bis(2-Chloroisopropyl)ether	1	mg/kg	0.20	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.20	ND
Butylbenzylphthalate	1	mg/kg	0.20	ND
Caprolactam	1	mg/kg	0.20	ND
Carbazole	1	mg/kg	0.20	ND
Chrysene	**1**	**mg/kg**	**0.20**	**0.24**
Dibenzo[a,h]anthracene	1	mg/kg	0.20	ND
Dibenzofuran	1	mg/kg	0.049	ND
Diethylphthalate	1	mg/kg	0.20	ND
Dimethylphthalate	1	mg/kg	0.20	ND
Di-n-butylphthalate	1	mg/kg	0.049	ND
Di-n-octylphthalate	1	mg/kg	0.20	ND
Fluoranthene	**1**	**mg/kg**	**0.20**	**0.34**
Fluorene	1	mg/kg	0.20	ND
Hexachlorobenzene	1	mg/kg	0.20	ND
Hexachlorobutadiene	1	mg/kg	0.20	ND
Hexachlorocyclopentadiene	1	mg/kg	0.38	ND
Hexachloroethane	1	mg/kg	0.20	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.20**	**0.21**
Isophorone	1	mg/kg	0.20	ND
Naphthalene	1	mg/kg	0.049	ND
Nitrobenzene	1	mg/kg	0.20	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.049	ND
N-Nitrosodiphenylamine	1	mg/kg	0.20	ND
Pentachlorophenol	1	mg/kg	0.26	ND
Phenanthrene	1	mg/kg	0.20	ND
Phenol	1	mg/kg	0.20	ND
Pyrene	**1**	**mg/kg**	**0.20**	**0.48**

Semivolatile Organics + 20 (8270) Library Searches

Analyte	DF	Units	RT	Result
9-Hexadecenoic acid	**1**	**mg/kg**	**10.32**	**5.1J**
Hexadecanoic acid	**1**	**mg/kg**	**10.4**	**5.3J**
Stigmast-4-en-3-one	**1**	**mg/kg**	**12.26**	**5.8J**
Pentadecane	**1**	**mg/kg**	**12.74**	**5.3J**
Octadecane	**1**	**mg/kg**	**13.51**	**19J**
PODOCARP-13-ENE-12-ONE	**1**	**mg/kg**	**13.72**	**6.1J**
Octadecanal	**1**	**mg/kg**	**14.03**	**4.0J**
unknown	**1**	**mg/kg**	**14.24**	**18J**
Hexacosanolide	**1**	**mg/kg**	**14.26**	**5.4J**
Tetradecanal	**1**	**mg/kg**	**14.81**	**4.8J**
Tetracosane	**1**	**mg/kg**	**15.04**	**5.0J**
9-Tricosene, (Z)-	**1**	**mg/kg**	**15.09**	**4.4J**
Oxirane, 3-ethyl-2,2-dimethyl-	**1**	**mg/kg**	**15.15**	**3.8J**
Vitamin E	**1**	**mg/kg**	**15.28**	**11J**
Cholest-5-en-3-ol (3.beta.)-	**1**	**mg/kg**	**15.39**	**8.2J**
Stigmast-5-en-3-ol, (3.beta.,24S)-	**1**	**mg/kg**	**15.61**	**4.3J**
16-Octadecenal	**1**	**mg/kg**	**15.77**	**3.6J**
unknown	**1**	**mg/kg**	**15.97**	**4.0J**
unknown	**1**	**mg/kg**	**16.47**	**39J**
2-Pentanone, 4-hydroxy-4-methyl-	**1**	**mg/kg**	**4.37**	**83JAB**
TotalSemiVolatileTic	**1**	**mg/kg**	**NA**	**250J**

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**1200**	**23000**
Barium	**1**	**mg/kg**	**59**	**1000**

Sample ID: SD-2 **Collection Date: 4/13/2016**
Lab#: AC90749-005 **Receipt Date: 4/14/2016**
Matrix: Soil/Encore

Calcium	**1**	**mg/kg**	**5900**	**60000**
Chromium	**1**	**mg/kg**	**29**	**47**
Cobalt	**1**	**mg/kg**	**15**	**32**
Copper	**1**	**mg/kg**	**29**	**97**
Iron	**1**	**mg/kg**	**1200**	**110000**
Lead	**1**	**mg/kg**	**29**	**120**
Magnesium	**1**	**mg/kg**	**2900**	**29000**
Manganese	**4**	**mg/kg**	**240**	**41000**
Nickel	**1**	**mg/kg**	**29**	**65**
Potassium	**1**	**mg/kg**	**2900**	**4100**
Sodium	1	mg/kg	1500	ND
Vanadium	**1**	**mg/kg**	**59**	**76**
Zinc	**1**	**mg/kg**	**59**	**590**

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	4.7	ND
Arsenic	**1**	**mg/kg**	**1.2**	**13**
Beryllium	1	mg/kg	1.2	ND
Cadmium	1	mg/kg	2.4	ND
Selenium	1	mg/kg	12	ND
Silver	1	mg/kg	1.2	ND
Thallium	1	mg/kg	2.4	ND

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1.6	mg/kg	0.019	ND
1,1,2,2-Tetrachloroethane	1.6	mg/kg	0.019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	mg/kg	0.019	ND
1,1,2-Trichloroethane	1.6	mg/kg	0.019	ND
1,1-Dichloroethane	1.6	mg/kg	0.019	ND
1,1-Dichloroethene	1.6	mg/kg	0.019	ND
1,2,3-Trichlorobenzene	1.6	mg/kg	0.019	ND
1,2,4-Trichlorobenzene	1.6	mg/kg	0.019	ND
1,2-Dibromo-3-chloropropane	1.6	mg/kg	0.019	ND
1,2-Dibromoethane	1.6	mg/kg	0.019	ND
1,2-Dichlorobenzene	1.6	mg/kg	0.019	ND
1,2-Dichloroethane	1.6	mg/kg	0.019	ND
1,2-Dichloropropane	1.6	mg/kg	0.019	ND
1,3-Dichlorobenzene	1.6	mg/kg	0.019	ND
1,4-Dichlorobenzene	1.6	mg/kg	0.019	ND
1,4-Dioxane	1.6	mg/kg	0.94	ND
2-Butanone	1.6	mg/kg	0.019	ND
2-Hexanone	1.6	mg/kg	0.019	ND
4-Methyl-2-pentanone	1.6	mg/kg	0.019	ND
Acetone	1.6	mg/kg	0.094	ND
Benzene	1.6	mg/kg	0.0094	ND
Bromochloromethane	1.6	mg/kg	0.019	ND
Bromodichloromethane	1.6	mg/kg	0.019	ND
Bromoform	1.6	mg/kg	0.019	ND
Bromomethane	1.6	mg/kg	0.019	ND
Carbon disulfide	1.6	mg/kg	0.019	ND
Carbon tetrachloride	1.6	mg/kg	0.019	ND
Chlorobenzene	1.6	mg/kg	0.019	ND
Chloroethane	1.6	mg/kg	0.019	ND
Chloroform	1.6	mg/kg	0.019	ND
Chloromethane	1.6	mg/kg	0.019	ND

Sample ID: SD-2 **Collection Date:** 4/13/2016
Lab#: AC90749-005 **Receipt Date:** 4/14/2016
Matrix: Soil/Encore

cis-1,2-Dichloroethene	1.6	mg/kg	0.019	ND
cis-1,3-Dichloropropene	1.6	mg/kg	0.019	ND
Cyclohexane	1.6	mg/kg	0.019	ND
Dibromochloromethane	1.6	mg/kg	0.019	ND
Dichlorodifluoromethane	1.6	mg/kg	0.019	ND
Ethylbenzene	1.6	mg/kg	0.0094	ND
Isopropylbenzene	1.6	mg/kg	0.0094	ND
m&p-Xylenes	1.6	mg/kg	0.0094	ND
Methyl Acetate	1.6	mg/kg	0.019	ND
Methylcyclohexane	1.6	mg/kg	0.019	ND
Methylene chloride	1.6	mg/kg	0.019	ND
Methyl-t-butyl ether	1.6	mg/kg	0.0094	ND
o-Xylene	1.6	mg/kg	0.0094	ND
Styrene	1.6	mg/kg	0.019	ND
Tetrachloroethene	1.6	mg/kg	0.019	ND
Toluene	1.6	mg/kg	0.0094	ND
trans-1,2-Dichloroethene	1.6	mg/kg	0.019	ND
trans-1,3-Dichloropropene	1.6	mg/kg	0.019	ND
Trichloroethene	1.6	mg/kg	0.019	ND
Trichlorofluoromethane	1.6	mg/kg	0.019	ND
Vinyl chloride	1.6	mg/kg	0.019	ND
Xylenes (Total)	1.6	mg/kg	0.0094	ND

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1.6	mg/kg	NA	ND
TotalVolatileTic	1.6	mg/kg	NA	ND

Sample ID: SW-3
Lab#: AC90749-006
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	5	mg/l	10	190

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND

Sample ID: SW-3 **Collection Date: 4/13/2016**
Lab#: AC90749-006 **Receipt Date: 4/14/2016**
Matrix: Aqueous

Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.57**	**12JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**12J**

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	**1**	**ug/l**	**25**	**60**
Calcium	**1**	**ug/l**	**1000**	**97000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**310**
Magnesium	**1**	**ug/l**	**1000**	**13000**
Manganese	**1**	**ug/l**	**25**	**280**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**3800**
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**76000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: SW-3
Lab#: AC90749-006
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: SW-3
Lab#: AC90749-006
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: SD-3
Lab#: AC90749-007
Matrix: Soil/Encore

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		40

Chloride (Soil) 9056A

Analyte	DF	Units	RL	Result
Chloride	1	mg/kg	50	160

Cyanide (Soil/Waste) 9012B

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	0.60	ND

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.21	ND

Semivolatile Organics + 20 (8270)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.083	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.083	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.083	ND
2,4,5-Trichlorophenol	1	mg/kg	0.083	ND
2,4,6-Trichlorophenol	1	mg/kg	0.083	ND
2,4-Dichlorophenol	1	mg/kg	0.021	ND
2,4-Dimethylphenol	1	mg/kg	0.021	ND
2,4-Dinitrophenol	1	mg/kg	0.42	ND
2,4-Dinitrotoluene	1	mg/kg	0.083	ND
2,6-Dinitrotoluene	1	mg/kg	0.083	ND
2-Chloronaphthalene	1	mg/kg	0.083	ND
2-Chlorophenol	1	mg/kg	0.083	ND
2-Methylnaphthalene	1	mg/kg	0.083	ND
2-Methylphenol	1	mg/kg	0.021	ND
2-Nitroaniline	1	mg/kg	0.083	ND
2-Nitrophenol	1	mg/kg	0.083	ND
3&4-Methylphenol	1	mg/kg	0.021	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.083	ND
3-Nitroaniline	1	mg/kg	0.083	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.42	ND
4-Bromophenyl-phenylether	1	mg/kg	0.083	ND
4-Chloro-3-methylphenol	1	mg/kg	0.083	ND
4-Chloroaniline	1	mg/kg	0.021	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.083	ND
4-Nitroaniline	1	mg/kg	0.083	ND
4-Nitrophenol	1	mg/kg	0.083	ND
Acenaphthene	1	mg/kg	0.083	ND
Acenaphthylene	1	mg/kg	0.083	ND
Acetophenone	1	mg/kg	0.083	ND
Anthracene	1	mg/kg	0.083	ND
Atrazine	1	mg/kg	0.083	ND
Benzaldehyde	1	mg/kg	0.083	ND
Benzo[a]anthracene	1	mg/kg	0.083	ND
Benzo[a]pyrene	1	mg/kg	0.083	ND
Benzo[b]fluoranthene	1	mg/kg	0.083	ND
Benzo[g,h,i]perylene	1	mg/kg	0.083	ND
Benzo[k]fluoranthene	1	mg/kg	0.083	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.083	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.021	ND

Sample ID: SD-3 **Collection Date: 4/13/2016**
Lab#: AC90749-007 **Receipt Date: 4/14/2016**
Matrix: Soil/Encore

bis(2-Chloroisopropyl)ether	1	mg/kg	0.083	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.083	ND
Butylbenzylphthalate	1	mg/kg	0.083	ND
Caprolactam	1	mg/kg	0.083	ND
Carbazole	1	mg/kg	0.083	ND
Chrysene	1	mg/kg	0.083	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.083	ND
Dibenzofuran	1	mg/kg	0.021	ND
Diethylphthalate	1	mg/kg	0.083	ND
Dimethylphthalate	1	mg/kg	0.083	ND
Di-n-butylphthalate	1	mg/kg	0.021	ND
Di-n-octylphthalate	1	mg/kg	0.083	ND
Fluoranthene	1	mg/kg	0.083	ND
Fluorene	1	mg/kg	0.083	ND
Hexachlorobenzene	1	mg/kg	0.083	ND
Hexachlorobutadiene	1	mg/kg	0.083	ND
Hexachlorocyclopentadiene	1	mg/kg	0.16	ND
Hexachloroethane	1	mg/kg	0.083	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.083	ND
Isophorone	1	mg/kg	0.083	ND
Naphthalene	1	mg/kg	0.021	ND
Nitrobenzene	1	mg/kg	0.083	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.021	ND
N-Nitrosodiphenylamine	1	mg/kg	0.083	ND
Pentachlorophenol	1	mg/kg	0.11	ND
Phenanthrene	1	mg/kg	0.083	ND
Phenol	1	mg/kg	0.083	ND
Pyrene	**1**	**mg/kg**	**0.083**	**0.086**

Semivolatile Organics + 20 (8270) Library Searches

Analyte	DF	Units	RT	Result
Hexadecanoic acid	1	mg/kg	10.4	1.6J
unknown	1	mg/kg	11.54	1.0J
unknown	1	mg/kg	12.17	1.1J
(24R)-4-STIGMASTEN-3-ONE	1	mg/kg	12.23	3.9J
Ethanol, 2-(hexadecyloxy)-	1	mg/kg	12.74	1.8J
Tricosane	1	mg/kg	13.51	8.3J
Ethynyl (1R*,2R*,5S*)-5,8,8-trimethylbi	1	mg/kg	13.71	2.0J
Phosphonic acid, dioctadecyl ester	1	mg/kg	13.86	0.93J
17-Octadecenal	1	mg/kg	14.03	1.5J
Eicosane	1	mg/kg	14.24	3.2J
Cyclotetracosane	1	mg/kg	14.26	2.0J
Tetradecanal	1	mg/kg	14.81	1.1J
Docosane	1	mg/kg	15.04	1.2J
1-Heptacosanol	1	mg/kg	15.09	1.4J
unknown	1	mg/kg	15.15	1.2J
Vitamin E	1	mg/kg	15.27	2.0J
1-Octadecene	1	mg/kg	16.13	1.8J
Stigmast-5-en-3-ol, (3.beta.,24S)-	1	mg/kg	16.45	10J
unknown	1	mg/kg	4.07	1.8JB
2-Pentanone, 4-hydroxy-4-methyl-	1	mg/kg	4.37	45JAB
TotalSemiVolatileTic	1	mg/kg	NA	93J

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	500	18000
Barium	1	mg/kg	25	140

Sample ID: SD-3 | **Collection Date: 4/13/2016**
Lab#: AC90749-007 | **Receipt Date: 4/14/2016**
Matrix: Soil/Encore

Calcium	**1**	**mg/kg**	**2500**	**130000**
Chromium	**1**	**mg/kg**	**12**	**32**
Cobalt	**1**	**mg/kg**	**6.2**	**15**
Copper	**1**	**mg/kg**	**12**	**46**
Iron	**1**	**mg/kg**	**500**	**43000**
Lead	**1**	**mg/kg**	**12**	**91**
Magnesium	**1**	**mg/kg**	**1200**	**65000**
Manganese	**1**	**mg/kg**	**25**	**870**
Nickel	**1**	**mg/kg**	**12**	**39**
Potassium	**1**	**mg/kg**	**1200**	**4100**
Sodium	**1**	**mg/kg**	**620**	**730**
Vanadium	**1**	**mg/kg**	**25**	**42**
Zinc	**1**	**mg/kg**	**25**	**170**

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	2.0	ND
Arsenic	**1**	**mg/kg**	**0.50**	**5.1**
Beryllium	1	mg/kg	0.50	ND
Cadmium	**1**	**mg/kg**	**1.0**	**2.6**
Selenium	1	mg/kg	5.0	ND
Silver	1	mg/kg	0.50	ND
Thallium	1	mg/kg	1.0	ND

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1.17	mg/kg	0.0059	ND
1,1,2,2-Tetrachloroethane	1.17	mg/kg	0.0059	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.17	mg/kg	0.0059	ND
1,1,2-Trichloroethane	1.17	mg/kg	0.0059	ND
1,1-Dichloroethane	1.17	mg/kg	0.0059	ND
1,1-Dichloroethene	1.17	mg/kg	0.0059	ND
1,2,3-Trichlorobenzene	1.17	mg/kg	0.0059	ND
1,2,4-Trichlorobenzene	1.17	mg/kg	0.0059	ND
1,2-Dibromo-3-chloropropane	1.17	mg/kg	0.0059	ND
1,2-Dibromoethane	1.17	mg/kg	0.0059	ND
1,2-Dichlorobenzene	1.17	mg/kg	0.0059	ND
1,2-Dichloroethane	1.17	mg/kg	0.0059	ND
1,2-Dichloropropane	1.17	mg/kg	0.0059	ND
1,3-Dichlorobenzene	1.17	mg/kg	0.0059	ND
1,4-Dichlorobenzene	1.17	mg/kg	0.0059	ND
1,4-Dioxane	1.17	mg/kg	0.29	ND
2-Butanone	1.17	mg/kg	0.0059	ND
2-Hexanone	1.17	mg/kg	0.0059	ND
4-Methyl-2-pentanone	1.17	mg/kg	0.0059	ND
Acetone	1.17	mg/kg	0.029	ND
Benzene	1.17	mg/kg	0.0029	ND
Bromochloromethane	1.17	mg/kg	0.0059	ND
Bromodichloromethane	1.17	mg/kg	0.0059	ND
Bromoform	1.17	mg/kg	0.0059	ND
Bromomethane	1.17	mg/kg	0.0059	ND
Carbon disulfide	1.17	mg/kg	0.0059	ND
Carbon tetrachloride	1.17	mg/kg	0.0059	ND
Chlorobenzene	1.17	mg/kg	0.0059	ND
Chloroethane	1.17	mg/kg	0.0059	ND
Chloroform	1.17	mg/kg	0.0059	ND
Chloromethane	1.17	mg/kg	0.0059	ND

Sample ID: SD-3
Lab#: AC90749-007
Matrix: Soil/Encore

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

cis-1,2-Dichloroethene	1.17	mg/kg	0.0059	ND
cis-1,3-Dichloropropene	1.17	mg/kg	0.0059	ND
Cyclohexane	1.17	mg/kg	0.0059	ND
Dibromochloromethane	1.17	mg/kg	0.0059	ND
Dichlorodifluoromethane	1.17	mg/kg	0.0059	ND
Ethylbenzene	1.17	mg/kg	0.0029	ND
Isopropylbenzene	1.17	mg/kg	0.0029	ND
m&p-Xylenes	1.17	mg/kg	0.0029	ND
Methyl Acetate	1.17	mg/kg	0.0059	ND
Methylcyclohexane	1.17	mg/kg	0.0059	ND
Methylene chloride	1.17	mg/kg	0.0059	ND
Methyl-t-butyl ether	1.17	mg/kg	0.0029	ND
o-Xylene	1.17	mg/kg	0.0029	ND
Styrene	1.17	mg/kg	0.0059	ND
Tetrachloroethene	1.17	mg/kg	0.0059	ND
Toluene	1.17	mg/kg	0.0029	ND
trans-1,2-Dichloroethene	1.17	mg/kg	0.0059	ND
trans-1,3-Dichloropropene	1.17	mg/kg	0.0059	ND
Trichloroethene	1.17	mg/kg	0.0059	ND
Trichlorofluoromethane	1.17	mg/kg	0.0059	ND
Vinyl chloride	1.17	mg/kg	0.0059	ND
Xylenes (Total)	1.17	mg/kg	0.0029	ND

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1.17	mg/kg	NA	ND
TotalVolatileTic	1.17	mg/kg	NA	ND

Sample ID: SW-4
Lab#: AC90749-008
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	20

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND

Sample ID: SW-4 **Collection Date: 4/13/2016**
Lab#: AC90749-008 **Receipt Date: 4/14/2016**
Matrix: Aqueous

Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.56**	**11JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**11J**

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	1	ug/l	25	ND
Calcium	**1**	**ug/l**	**1000**	**20000**
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**180**
Magnesium	**1**	**ug/l**	**1000**	**5900**
Manganese	**1**	**ug/l**	**25**	**60**
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**15000**
Vanadium	1	ug/l	25	ND
Zinc	1	ug/l	25	ND

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: SW-4
Lab#: AC90749-008
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: SW-4
Lab#: AC90749-008
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: SD-4
Lab#: AC90749-009
Matrix: Soil/Encore

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		67

Chloride (Soil) 9056A

Analyte	DF	Units	RL	Result
Chloride	1	mg/kg	30	ND

Cyanide (Soil/Waste) 9012B

Analyte	DF	Units	RL	Result
Cyanide	1	mg/kg	0.36	ND

Mercury (Soil/Waste) 7471A

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.12	ND

Semivolatile Organics + 20 (8270)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.050	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.050	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.050	ND
2,4,5-Trichlorophenol	1	mg/kg	0.050	ND
2,4,6-Trichlorophenol	1	mg/kg	0.050	ND
2,4-Dichlorophenol	1	mg/kg	0.012	ND
2,4-Dimethylphenol	1	mg/kg	0.012	ND
2,4-Dinitrophenol	1	mg/kg	0.25	ND
2,4-Dinitrotoluene	1	mg/kg	0.050	ND
2,6-Dinitrotoluene	1	mg/kg	0.050	ND
2-Chloronaphthalene	1	mg/kg	0.050	ND
2-Chlorophenol	1	mg/kg	0.050	ND
2-Methylnaphthalene	1	mg/kg	0.050	ND
2-Methylphenol	1	mg/kg	0.012	ND
2-Nitroaniline	1	mg/kg	0.050	ND
2-Nitrophenol	1	mg/kg	0.050	ND
3&4-Methylphenol	1	mg/kg	0.012	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.050	ND
3-Nitroaniline	1	mg/kg	0.050	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.25	ND
4-Bromophenyl-phenylether	1	mg/kg	0.050	ND
4-Chloro-3-methylphenol	1	mg/kg	0.050	ND
4-Chloroaniline	1	mg/kg	0.012	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.050	ND
4-Nitroaniline	1	mg/kg	0.050	ND
4-Nitrophenol	1	mg/kg	0.050	ND
Acenaphthene	1	mg/kg	0.050	ND
Acenaphthylene	1	mg/kg	0.050	ND
Acetophenone	1	mg/kg	0.050	ND
Anthracene	1	mg/kg	0.050	ND
Atrazine	1	mg/kg	0.050	ND
Benzaldehyde	1	mg/kg	0.050	ND
Benzo[a]anthracene	1	mg/kg	0.050	ND
Benzo[a]pyrene	1	mg/kg	0.050	ND
Benzo[b]fluoranthene	1	mg/kg	0.050	ND
Benzo[g,h,i]perylene	1	mg/kg	0.050	ND
Benzo[k]fluoranthene	1	mg/kg	0.050	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.050	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.012	ND

Sample ID: SD-4 **Collection Date:** 4/13/2016
Lab#: AC90749-009 **Receipt Date:** 4/14/2016
Matrix: Soil/Encore

bis(2-Chloroisopropyl)ether	1	mg/kg	0.050	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.050	ND
Butylbenzylphthalate	1	mg/kg	0.050	ND
Caprolactam	1	mg/kg	0.050	ND
Carbazole	1	mg/kg	0.050	ND
Chrysene	1	mg/kg	0.050	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.050	ND
Dibenzofuran	1	mg/kg	0.012	ND
Diethylphthalate	1	mg/kg	0.050	ND
Dimethylphthalate	1	mg/kg	0.050	ND
Di-n-butylphthalate	1	mg/kg	0.012	ND
Di-n-octylphthalate	1	mg/kg	0.050	ND
Fluoranthene	1	mg/kg	0.050	ND
Fluorene	1	mg/kg	0.050	ND
Hexachlorobenzene	1	mg/kg	0.050	ND
Hexachlorobutadiene	1	mg/kg	0.050	ND
Hexachlorocyclopentadiene	1	mg/kg	0.098	ND
Hexachloroethane	1	mg/kg	0.050	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.050	ND
Isophorone	1	mg/kg	0.050	ND
Naphthalene	1	mg/kg	0.012	ND
Nitrobenzene	1	mg/kg	0.050	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.012	ND
N-Nitrosodiphenylamine	1	mg/kg	0.050	ND
Pentachlorophenol	1	mg/kg	0.065	ND
Phenanthrene	1	mg/kg	0.050	ND
Phenol	1	mg/kg	0.050	ND
Pyrene	1	mg/kg	0.050	ND

Semivolatile Organics + 20 (8270) Library Searches

Analyte	DF	Units	RT	Result
Hexadecanoic acid	1	mg/kg	10.39	0.44J
(24R)-4-STIGMASTEN-3-ONE	1	mg/kg	12.25	3.1J
.ALPHA.-BISABOLOLONE	1	mg/kg	12.74	0.35J
unknown	1	mg/kg	12.9	0.37J
Heptadecane	1	mg/kg	13.51	3.9J
D:A-Friedooleanan-3-one	1	mg/kg	13.7	1.1J
(Z)14-TRICOSENYL FORMATE	1	mg/kg	14.03	0.28J
Heneicosane	1	mg/kg	14.24	1.0J
Cyclotetracosane	1	mg/kg	14.26	0.36J
unknown	1	mg/kg	14.81	0.37J
Octadecane	1	mg/kg	15.04	0.35J
Vitamin E	1	mg/kg	15.27	0.46J
Cholest-5-en-3-ol (3.beta.)-	1	mg/kg	15.39	0.43J
unknown	1	mg/kg	15.77	0.28J
unknown	1	mg/kg	15.95	0.29J
unknown	1	mg/kg	16.06	0.72J
Stigmast-5-en-3-ol, (3.beta.,24S)-	1	mg/kg	16.45	3.8J
1,2-Propanediol	1	mg/kg	3.08	0.48J
unknown	1	mg/kg	4.07	0.85JB
2-Pentanone, 4-hydroxy-4-methyl-	1	mg/kg	4.36	24JAB
TotalSemiVolatileTic	1	mg/kg	NA	43J

TAL Metals 6010

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	300	7500
Barium	1	mg/kg	15	81

Sample ID: SD-4
Lab#: AC90749-009
Matrix: Soil/Encore

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Calcium	**1**	**mg/kg**	**1500**	**32000**
Chromium	**1**	**mg/kg**	**7.5**	**23**
Cobalt	**1**	**mg/kg**	**3.7**	**7.8**
Copper	**1**	**mg/kg**	**7.5**	**11**
Iron	**1**	**mg/kg**	**300**	**20000**
Lead	**1**	**mg/kg**	**7.5**	**13**
Magnesium	**1**	**mg/kg**	**750**	**20000**
Manganese	**1**	**mg/kg**	**15**	**1100**
Nickel	**1**	**mg/kg**	**7.5**	**18**
Potassium	**1**	**mg/kg**	**750**	**1400**
Sodium	1	mg/kg	370	ND
Vanadium	**1**	**mg/kg**	**15**	**24**
Zinc	**1**	**mg/kg**	**15**	**82**

TAL Metals 6020

Analyte	DF	Units	RL	Result
Antimony	1	mg/kg	1.2	ND
Arsenic	**1**	**mg/kg**	**0.30**	**2.0**
Beryllium	1	mg/kg	0.30	ND
Cadmium	1	mg/kg	0.60	ND
Selenium	1	mg/kg	3.0	ND
Silver	1	mg/kg	0.30	ND
Thallium	1	mg/kg	0.60	ND

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1.03	mg/kg	0.0031	ND
1,1,2,2-Tetrachloroethane	1.03	mg/kg	0.0031	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.03	mg/kg	0.0031	ND
1,1,2-Trichloroethane	1.03	mg/kg	0.0031	ND
1,1-Dichloroethane	1.03	mg/kg	0.0031	ND
1,1-Dichloroethene	1.03	mg/kg	0.0031	ND
1,2,3-Trichlorobenzene	1.03	mg/kg	0.0031	ND
1,2,4-Trichlorobenzene	1.03	mg/kg	0.0031	ND
1,2-Dibromo-3-chloropropane	1.03	mg/kg	0.0031	ND
1,2-Dibromoethane	1.03	mg/kg	0.0031	ND
1,2-Dichlorobenzene	1.03	mg/kg	0.0031	ND
1,2-Dichloroethane	1.03	mg/kg	0.0031	ND
1,2-Dichloropropane	1.03	mg/kg	0.0031	ND
1,3-Dichlorobenzene	1.03	mg/kg	0.0031	ND
1,4-Dichlorobenzene	1.03	mg/kg	0.0031	ND
1,4-Dioxane	1.03	mg/kg	0.15	ND
2-Butanone	1.03	mg/kg	0.0031	ND
2-Hexanone	1.03	mg/kg	0.0031	ND
4-Methyl-2-pentanone	1.03	mg/kg	0.0031	ND
Acetone	1.03	mg/kg	0.015	ND
Benzene	1.03	mg/kg	0.0015	ND
Bromochloromethane	1.03	mg/kg	0.0031	ND
Bromodichloromethane	1.03	mg/kg	0.0031	ND
Bromoform	1.03	mg/kg	0.0031	ND
Bromomethane	1.03	mg/kg	0.0031	ND
Carbon disulfide	1.03	mg/kg	0.0031	ND
Carbon tetrachloride	1.03	mg/kg	0.0031	ND
Chlorobenzene	1.03	mg/kg	0.0031	ND
Chloroethane	1.03	mg/kg	0.0031	ND
Chloroform	1.03	mg/kg	0.0031	ND
Chloromethane	1.03	mg/kg	0.0031	ND

Sample ID: SD-4 **Collection Date:** 4/13/2016
Lab#: AC90749-009 **Receipt Date:** 4/14/2016
Matrix: Soil/Encore

cis-1,2-Dichloroethene	1.03	mg/kg	0.0031	ND
cis-1,3-Dichloropropene	1.03	mg/kg	0.0031	ND
Cyclohexane	1.03	mg/kg	0.0031	ND
Dibromochloromethane	1.03	mg/kg	0.0031	ND
Dichlorodifluoromethane	1.03	mg/kg	0.0031	ND
Ethylbenzene	1.03	mg/kg	0.0015	ND
Isopropylbenzene	1.03	mg/kg	0.0015	ND
m&p-Xylenes	1.03	mg/kg	0.0015	ND
Methyl Acetate	1.03	mg/kg	0.0031	ND
Methylcyclohexane	1.03	mg/kg	0.0031	ND
Methylene chloride	1.03	mg/kg	0.0031	ND
Methyl-t-butyl ether	1.03	mg/kg	0.0015	ND
o-Xylene	1.03	mg/kg	0.0015	ND
Styrene	1.03	mg/kg	0.0031	ND
Tetrachloroethene	1.03	mg/kg	0.0031	ND
Toluene	1.03	mg/kg	0.0015	ND
trans-1,2-Dichloroethene	1.03	mg/kg	0.0031	ND
trans-1,3-Dichloropropene	1.03	mg/kg	0.0031	ND
Trichloroethene	1.03	mg/kg	0.0031	ND
Trichlorofluoromethane	1.03	mg/kg	0.0031	ND
Vinyl chloride	1.03	mg/kg	0.0031	ND
Xylenes (Total)	1.03	mg/kg	0.0015	ND

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1.03	mg/kg	NA	ND
TotalVolatileTic	1.03	mg/kg	NA	ND

Sample ID: TB-20160413
Lab#: AC90749-010
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TB-20160413
Lab#: AC90749-010
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: FB-20160413
Lab#: AC90749-011
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	ND

Cyanide-Water (EPA 335.4)

Analyte	DF	Units	RL	Result
Cyanide	1	mg/l	0.020	ND

Mercury (Water) 245.1

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.20	ND

Semivolatile Organics + 20 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.1	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.1	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.1	ND
2,4,5-Trichlorophenol	1	ug/l	2.1	ND
2,4,6-Trichlorophenol	1	ug/l	2.1	ND
2,4-Dichlorophenol	1	ug/l	0.53	ND
2,4-Dimethylphenol	1	ug/l	0.53	ND
2,4-Dinitrophenol	1	ug/l	11	ND
2,4-Dinitrotoluene	1	ug/l	2.1	ND
2,6-Dinitrotoluene	1	ug/l	2.1	ND
2-Chloronaphthalene	1	ug/l	2.1	ND
2-Chlorophenol	1	ug/l	2.1	ND
2-Methylnaphthalene	1	ug/l	2.1	ND
2-Methylphenol	1	ug/l	0.53	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.53	ND
3,3'-Dichlorobenzidine	1	ug/l	2.1	ND
3-Nitroaniline	1	ug/l	2.1	ND
4,6-Dinitro-2-methylphenol	1	ug/l	11	ND
4-Bromophenyl-phenylether	1	ug/l	2.1	ND
4-Chloro-3-methylphenol	1	ug/l	2.1	ND
4-Chloroaniline	1	ug/l	0.53	ND
4-Chlorophenyl-phenylether	1	ug/l	2.1	ND
4-Nitroaniline	1	ug/l	2.1	ND
4-Nitrophenol	1	ug/l	2.1	ND
Acenaphthene	1	ug/l	2.1	ND
Acenaphthylene	1	ug/l	2.1	ND
Acetophenone	1	ug/l	2.1	ND
Anthracene	1	ug/l	2.1	ND
Atrazine	1	ug/l	2.1	ND
Benzaldehyde	1	ug/l	2.1	ND
Benzo[a]anthracene	1	ug/l	2.1	ND
Benzo[a]pyrene	1	ug/l	2.1	ND
Benzo[b]fluoranthene	1	ug/l	2.1	ND
Benzo[g,h,i]perylene	1	ug/l	2.1	ND
Benzo[k]fluoranthene	1	ug/l	2.1	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.1	ND
bis(2-Chloroethyl)ether	1	ug/l	0.53	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.1	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.1	ND
Butylbenzylphthalate	1	ug/l	2.1	ND
Caprolactam	1	ug/l	2.1	ND

Sample ID: FB-20160413
Lab#: AC90749-011
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Carbazole	1	ug/l	2.1	ND
Chrysene	1	ug/l	2.1	ND
Dibenzo[a,h]anthracene	1	ug/l	2.1	ND
Dibenzofuran	1	ug/l	0.53	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.53	ND
Di-n-octylphthalate	1	ug/l	2.1	ND
Fluoranthene	1	ug/l	2.1	ND
Fluorene	1	ug/l	2.1	ND
Hexachlorobenzene	1	ug/l	2.1	ND
Hexachlorobutadiene	1	ug/l	2.1	ND
Hexachlorocyclopentadiene	1	ug/l	2.1	ND
Hexachloroethane	1	ug/l	2.1	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.1	ND
Isophorone	1	ug/l	2.1	ND
Naphthalene	1	ug/l	0.53	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.53	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	11	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Semivolatile Organics + 20 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.56**	**11JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**11J**

TAL Metals 200.7

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	100	ND
Barium	1	ug/l	25	ND
Calcium	1	ug/l	1000	ND
Chromium	1	ug/l	25	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	1	ug/l	1000	ND
Manganese	1	ug/l	25	ND
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	2500	ND
Silver	1	ug/l	10	ND
Sodium	1	ug/l	2500	ND
Vanadium	1	ug/l	25	ND
Zinc	**1**	**ug/l**	**25**	**100**

TAL Metals 200.8

Analyte	DF	Units	RL	Result
Antimony	1	ug/l	2.5	ND
Arsenic	1	ug/l	1.0	ND
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Cobalt	1	ug/l	1.0	ND
Lead	1	ug/l	3.0	ND
Selenium	1	ug/l	5.0	ND
Thallium	1	ug/l	1.5	ND

Sample ID: FB-20160413
Lab#: AC90749-011
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.50	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.50	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: FB-20160413
Lab#: AC90749-011
Matrix: Aqueous

Collection Date: 4/13/2016
Receipt Date: 4/14/2016

Volatile Organics + 10 (624) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M52279.D
Analysis Date: 04/18/16 10:37
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 380779

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK	Matrix: Aqueous
Client Id:	Initial Vol: 5ml
Data File: 2M52279.D	Final Vol: NA
Analysis Date: 04/18/16 10:37	Dilution: 1.00
Date Rec/Extracted:	Solids:
	Method: EPA 624

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380779

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M37805.D
Analysis Date: 04/15/16 10:00
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U

Worksheet #: 380788

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK	Matrix: Soil
Client Id:	Initial Vol: 5g
Data File: 6M37805.D	Final Vol: NA
Analysis Date: 04/15/16 10:00	Dilution: 1.00
Date Rec/Extracted:	Solids: 100
	Method: EPA 8260C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	556-67-2	Cyclotetrasiloxane, octamethyl-	6.54	0.0081 J

Worksheet #: 380788

Total Tentativelv Identified Concentration 0.0081

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M37841.D
Analysis Date: 04/15/16 19:52
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0020	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0010	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0020	U	75-01-4	Vinyl Chloride	0.0020	U

Worksheet #: 380788

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK	Matrix: Soil
Client Id:	Initial Vol: 5g
Data File: 6M37841.D	Final Vol: NA
Analysis Date: 04/15/16 19:52	Dilution: 1.00
Date Rec/Extracted:	Solids: 100
	Method: EPA 8260C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380788

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-001
Client Id: SW-1
Data File: 2M52327.D
Analysis Date: 04/19/16 00:11
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 380779

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-001
Client Id: SW-1
Data File: 2M52327.D
Analysis Date: 04/19/16 00:11
Date Rec/Extracted: 04/14/16-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380779

Total Tentativelv Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-002
Client Id: SW-10
Data File: 2M52326.D
Analysis Date: 04/18/16 23:54
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 380779

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-002	Matrix: Aqueous
Client Id: SW-10	Initial Vol: 5ml
Data File: 2M52326.D	Final Vol: NA
Analysis Date: 04/18/16 23:54	Dilution: 1.00
Date Rec/Extracted: 04/14/16-NA	Solids:
	Method: EPA 624

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380779

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-003
Client Id: SD-1
Data File: 6M37830.D
Analysis Date: 04/15/16 16:41
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 4.66g
Final Vol: NA
Dilution: 1.07
Solids: 64

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0034	U	56-23-5	Carbon Tetrachloride	0.0034	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0034	U	108-90-7	Chlorobenzene	0.0034	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0034	U	75-00-3	Chloroethane	0.0034	U
79-00-5	1,1,2-Trichloroethane	0.0034	U	67-66-3	Chloroform	0.0034	U
75-34-3	1,1-Dichloroethane	0.0034	U	74-87-3	Chloromethane	0.0034	U
75-35-4	1,1-Dichloroethene	0.0034	U	156-59-2	cis-1,2-Dichloroethene	0.0034	U
87-61-6	1,2,3-Trichlorobenzene	0.0034	U	10061-01-5	cis-1,3-Dichloropropene	0.0034	U
120-82-1	1,2,4-Trichlorobenzene	0.0034	U	110-82-7	Cyclohexane	0.0034	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0034	U	124-48-1	Dibromochloromethane	0.0034	U
106-93-4	1,2-Dibromoethane	0.0034	U	75-71-8	Dichlorodifluoromethane	0.0034	U
95-50-1	1,2-Dichlorobenzene	0.0034	U	100-41-4	Ethylbenzene	0.0017	U
107-06-2	1,2-Dichloroethane	0.0034	U	98-82-8	Isopropylbenzene	0.0017	U
78-87-5	1,2-Dichloropropane	0.0034	U	79601-23-1	m&p-Xylenes	0.0017	U
541-73-1	1,3-Dichlorobenzene	0.0034	U	79-20-9	Methyl Acetate	0.0034	U
106-46-7	1,4-Dichlorobenzene	0.0034	U	108-87-2	Methylcyclohexane	0.0034	U
123-91-1	1,4-Dioxane	0.17	U	75-09-2	Methylene Chloride	0.0034	U
78-93-3	2-Butanone	0.0034	U	1634-04-4	Methyl-t-butyl ether	0.0017	U
591-78-6	2-Hexanone	0.0034	U	95-47-6	o-Xylene	0.0017	U
108-10-1	4-Methyl-2-Pentanone	0.0034	U	100-42-5	Styrene	0.0034	U
67-64-1	Acetone	0.017	U	127-18-4	Tetrachloroethene	0.0034	U
71-43-2	Benzene	0.0017	U	108-88-3	Toluene	0.0017	U
74-97-5	Bromochloromethane	0.0034	U	156-60-5	trans-1,2-Dichloroethene	0.0034	U
75-27-4	Bromodichloromethane	0.0034	U	10061-02-6	trans-1,3-Dichloropropene	0.0034	U
75-25-2	Bromoform	0.0034	U	79-01-6	Trichloroethene	0.0034	U
74-83-9	Bromomethane	0.0034	U	75-69-4	Trichlorofluoromethane	0.0034	U
75-15-0	Carbon Disulfide	0.0034	U	75-01-4	Vinyl Chloride	0.0034	U
1330-20-7	Xylenes (Total)	0.0017	U				

Worksheet #: 380788

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-003
Client Id: SD-1
Data File: 6M37830.D
Analysis Date: 04/15/16 16:41
Date Rec/Extracted: 04/14/16-NA

Matrix: Soil
Initial Vol: 4.66g
Final Vol: NA
Dilution: 1.07
Solids: 64
Method: EPA 8260C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380788

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-004
Client Id: SW-2
Data File: 2M52325.D
Analysis Date: 04/18/16 23:37
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 380779

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-004
Client Id: SW-2
Data File: 2M52325.D
Analysis Date: 04/18/16 23:37
Date Rec/Extracted: 04/14/16-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380779

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-005
Client Id: SD-2
Data File: 6M37854.D
Analysis Date: 04/15/16 23:30
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 3.12g
Final Vol: NA
Dilution: 1.60
Solids: 17

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.019	U	56-23-5	Carbon Tetrachloride	0.019	U
79-34-5	1,1,2,2-Tetrachloroethane	0.019	U	108-90-7	Chlorobenzene	0.019	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.019	U	75-00-3	Chloroethane	0.019	U
79-00-5	1,1,2-Trichloroethane	0.019	U	67-66-3	Chloroform	0.019	U
75-34-3	1,1-Dichloroethane	0.019	U	74-87-3	Chloromethane	0.019	U
75-35-4	1,1-Dichloroethene	0.019	U	156-59-2	cis-1,2-Dichloroethene	0.019	U
87-61-6	1,2,3-Trichlorobenzene	0.019	U	10061-01-5	cis-1,3-Dichloropropene	0.019	U
120-82-1	1,2,4-Trichlorobenzene	0.019	U	110-82-7	Cyclohexane	0.019	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.019	U	124-48-1	Dibromochloromethane	0.019	U
106-93-4	1,2-Dibromoethane	0.019	U	75-71-8	Dichlorodifluoromethane	0.019	U
95-50-1	1,2-Dichlorobenzene	0.019	U	100-41-4	Ethylbenzene	0.0094	U
107-06-2	1,2-Dichloroethane	0.019	U	98-82-8	Isopropylbenzene	0.0094	U
78-87-5	1,2-Dichloropropane	0.019	U	79601-23-1	m&p-Xylenes	0.0094	U
541-73-1	1,3-Dichlorobenzene	0.019	U	79-20-9	Methyl Acetate	0.019	U
106-46-7	1,4-Dichlorobenzene	0.019	U	108-87-2	Methylcyclohexane	0.019	U
123-91-1	1,4-Dioxane	0.94	U	75-09-2	Methylene Chloride	0.019	U
78-93-3	2-Butanone	0.019	U	1634-04-4	Methyl-t-butyl ether	0.0094	U
591-78-6	2-Hexanone	0.019	U	95-47-6	o-Xylene	0.0094	U
108-10-1	4-Methyl-2-Pentanone	0.019	U	100-42-5	Styrene	0.019	U
67-64-1	Acetone	0.094	U	127-18-4	Tetrachloroethene	0.019	U
71-43-2	Benzene	0.0094	U	108-88-3	Toluene	0.0094	U
74-97-5	Bromochloromethane	0.019	U	156-60-5	trans-1,2-Dichloroethene	0.019	U
75-27-4	Bromodichloromethane	0.019	U	10061-02-6	trans-1,3-Dichloropropene	0.019	U
75-25-2	Bromoform	0.019	U	79-01-6	Trichloroethene	0.019	U
74-83-9	Bromomethane	0.019	U	75-69-4	Trichlorofluoromethane	0.019	U
75-15-0	Carbon Disulfide	0.019	U	75-01-4	Vinyl Chloride	0.019	U
1330-20-7	Xylenes (Total)	0.0094	U				

Worksheet #: 380788

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-005
Client Id: SD-2
Data File: 6M37854.D
Analysis Date: 04/15/16 23:30
Date Rec/Extracted: 04/14/16-NA

Matrix: Soil
Initial Vol: 3.12g
Final Vol: NA
Dilution: 1.60
Solids: 17
Method: EPA 8260C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380788

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-006
Client Id: SW-3
Data File: 2M52324.D
Analysis Date: 04/18/16 23:21
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 380779

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-006
Client Id: SW-3
Data File: 2M52324.D
Analysis Date: 04/18/16 23:21
Date Rec/Extracted: 04/14/16-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380779

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-007
Client Id: SD-3
Data File: 6M37852.D
Analysis Date: 04/15/16 22:55
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 4.27g
Final Vol: NA
Dilution: 1.17
Solids: 40

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0059	U	56-23-5	Carbon Tetrachloride	0.0059	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0059	U	108-90-7	Chlorobenzene	0.0059	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0059	U	75-00-3	Chloroethane	0.0059	U
79-00-5	1,1,2-Trichloroethane	0.0059	U	67-66-3	Chloroform	0.0059	U
75-34-3	1,1-Dichloroethane	0.0059	U	74-87-3	Chloromethane	0.0059	U
75-35-4	1,1-Dichloroethene	0.0059	U	156-59-2	cis-1,2-Dichloroethene	0.0059	U
87-61-6	1,2,3-Trichlorobenzene	0.0059	U	10061-01-5	cis-1,3-Dichloropropene	0.0059	U
120-82-1	1,2,4-Trichlorobenzene	0.0059	U	110-82-7	Cyclohexane	0.0059	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0059	U	124-48-1	Dibromochloromethane	0.0059	U
106-93-4	1,2-Dibromoethane	0.0059	U	75-71-8	Dichlorodifluoromethane	0.0059	U
95-50-1	1,2-Dichlorobenzene	0.0059	U	100-41-4	Ethylbenzene	0.0029	U
107-06-2	1,2-Dichloroethane	0.0059	U	98-82-8	Isopropylbenzene	0.0029	U
78-87-5	1,2-Dichloropropane	0.0059	U	79601-23-1	m&p-Xylenes	0.0029	U
541-73-1	1,3-Dichlorobenzene	0.0059	U	79-20-9	Methyl Acetate	0.0059	U
106-46-7	1,4-Dichlorobenzene	0.0059	U	108-87-2	Methylcyclohexane	0.0059	U
123-91-1	1,4-Dioxane	0.29	U	75-09-2	Methylene Chloride	0.0059	U
78-93-3	2-Butanone	0.0059	U	1634-04-4	Methyl-t-butyl ether	0.0029	U
591-78-6	2-Hexanone	0.0059	U	95-47-6	o-Xylene	0.0029	U
108-10-1	4-Methyl-2-Pentanone	0.0059	U	100-42-5	Styrene	0.0059	U
67-64-1	Acetone	0.029	U	127-18-4	Tetrachloroethene	0.0059	U
71-43-2	Benzene	0.0029	U	108-88-3	Toluene	0.0029	U
74-97-5	Bromochloromethane	0.0059	U	156-60-5	trans-1,2-Dichloroethene	0.0059	U
75-27-4	Bromodichloromethane	0.0059	U	10061-02-6	trans-1,3-Dichloropropene	0.0059	U
75-25-2	Bromoform	0.0059	U	79-01-6	Trichloroethene	0.0059	U
74-83-9	Bromomethane	0.0059	U	75-69-4	Trichlorofluoromethane	0.0059	U
75-15-0	Carbon Disulfide	0.0059	U	75-01-4	Vinyl Chloride	0.0059	U
1330-20-7	Xylenes (Total)	0.0029	U				

Worksheet #: 380788

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-007	Matrix: Soil
Client Id: SD-3	Initial Vol: 4.27g
Data File: 6M37852.D	Final Vol: NA
Analysis Date: 04/15/16 22:55	Dilution: 1.17
Date Rec/Extracted: 04/14/16-NA	Solids: 40
	Method: EPA 8260C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380788

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-008
Client Id: SW-4
Data File: 2M52323.D
Analysis Date: 04/18/16 23:04
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 380779

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-008
Client Id: SW-4
Data File: 2M52323.D
Analysis Date: 04/18/16 23:04
Date Rec/Extracted: 04/14/16-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380779

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-009
Client Id: SD-4
Data File: 6M37853.D
Analysis Date: 04/15/16 23:12
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260C
Matrix: Soil
Initial Vol: 4.87g
Final Vol: NA
Dilution: 1.03
Solids: 67

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0031	U	56-23-5	Carbon Tetrachloride	0.0031	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0031	U	108-90-7	Chlorobenzene	0.0031	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0031	U	75-00-3	Chloroethane	0.0031	U
79-00-5	1,1,2-Trichloroethane	0.0031	U	67-66-3	Chloroform	0.0031	U
75-34-3	1,1-Dichloroethane	0.0031	U	74-87-3	Chloromethane	0.0031	U
75-35-4	1,1-Dichloroethene	0.0031	U	156-59-2	cis-1,2-Dichloroethene	0.0031	U
87-61-6	1,2,3-Trichlorobenzene	0.0031	U	10061-01-5	cis-1,3-Dichloropropene	0.0031	U
120-82-1	1,2,4-Trichlorobenzene	0.0031	U	110-82-7	Cyclohexane	0.0031	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0031	U	124-48-1	Dibromochloromethane	0.0031	U
106-93-4	1,2-Dibromoethane	0.0031	U	75-71-8	Dichlorodifluoromethane	0.0031	U
95-50-1	1,2-Dichlorobenzene	0.0031	U	100-41-4	Ethylbenzene	0.0015	U
107-06-2	1,2-Dichloroethane	0.0031	U	98-82-8	Isopropylbenzene	0.0015	U
78-87-5	1,2-Dichloropropane	0.0031	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0031	U	79-20-9	Methyl Acetate	0.0031	U
106-46-7	1,4-Dichlorobenzene	0.0031	U	108-87-2	Methylcyclohexane	0.0031	U
123-91-1	1,4-Dioxane	0.15	U	75-09-2	Methylene Chloride	0.0031	U
78-93-3	2-Butanone	0.0031	U	1634-04-4	Methyl-t-butyl ether	0.0015	U
591-78-6	2-Hexanone	0.0031	U	95-47-6	o-Xylene	0.0015	U
108-10-1	4-Methyl-2-Pentanone	0.0031	U	100-42-5	Styrene	0.0031	U
67-64-1	Acetone	0.015	U	127-18-4	Tetrachloroethene	0.0031	U
71-43-2	Benzene	0.0015	U	108-88-3	Toluene	0.0015	U
74-97-5	Bromochloromethane	0.0031	U	156-60-5	trans-1,2-Dichloroethene	0.0031	U
75-27-4	Bromodichloromethane	0.0031	U	10061-02-6	trans-1,3-Dichloropropene	0.0031	U
75-25-2	Bromoform	0.0031	U	79-01-6	Trichloroethene	0.0031	U
74-83-9	Bromomethane	0.0031	U	75-69-4	Trichlorofluoromethane	0.0031	U
75-15-0	Carbon Disulfide	0.0031	U	75-01-4	Vinyl Chloride	0.0031	U
1330-20-7	Xylenes (Total)	0.0015	U				

Worksheet #: 380788

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-009
Client Id: SD-4
Data File: 6M37853.D
Analysis Date: 04/15/16 23:12
Date Rec/Extracted: 04/14/16-NA

Matrix: Soil
Initial Vol: 4.87g
Final Vol: NA
Dilution: 1.03
Solids: 67
Method: EPA 8260C

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380788

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-010
Client Id: TB-20160413
Data File: 2M52322.D
Analysis Date: 04/18/16 22:48
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 380779

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-010
Client Id: TB-20160413
Data File: 2M52322.D
Analysis Date: 04/18/16 22:48
Date Rec/Extracted: 04/14/16-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380779

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC90749-011
Client Id: FB-20160413
Data File: 2M52321.D
Analysis Date: 04/18/16 22:31
Date Rec/Extracted: 04/14/16-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 380779

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-011
Client Id: FB-20160413
Data File: 2M52321.D
Analysis Date: 04/18/16 22:31
Date Rec/Extracted: 04/14/16-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 380779

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form3
Recovery Data
QC Batch: MBS52782

Data File	Sample ID:	Analysis Date
Spike or Dup: 6M37810.D	MBS52782	4/15/2016 11:24:00 AM
Non Spike(If applicable):		
Inst Blank(If applicable):		
Method: 8260C	Matrix: Soil	QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	54.6576	0	50	109	70	130
Dichlorodifluoromethane	1	21.323	0	50	43	40	160
Chloromethane	1	40.4309	0	50	81	40	160
Bromomethane	1	48.3543	0	50	97	40	160
Vinyl Chloride	1	45.6534	0	50	91	70	130
Chloroethane	1	52.723	0	50	105	40	160
Trichlorofluoromethane	1	49.729	0	50	99	40	160
Ethyl ether	1	46.561	0	50	93	70	130
Furan	1	39.1452	0	50	78	70	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	69.7108	0	50	139*	70	130
Methylene Chloride	1	59.0754	0	50	118	70	130
Acrolein	1	101.3799	0	200	51*	70	130
Acrylonitrile	1	55.0467	0	50	110	70	130
Iodomethane	1	42.1115	0	50	84	70	130
Acetone	1	263.3344	0	200	132	40	160
Carbon Disulfide	1	52.0842	0	50	104	40	160
t-Butyl Alcohol	1	292.9434	0	200	146*	70	130
n-Hexane	1	62.9244	0	50	126	70	130
Di-isopropyl-ether	1	55.054	0	50	110	70	130
1,1-Dichloroethene	1	29.1447	0	50	58*	70	130
Methyl Acetate	1	49.4939	0	50	99	70	130
Methyl-t-butyl ether	1	58.7576	0	50	118	70	130
1,1-Dichloroethane	1	45.7609	0	50	92	70	130
trans-1,2-Dichloroethene	1	55.3807	0	50	111	70	130
Ethyl-t-butyl ether	1	55.4318	0	50	111	70	130
cis-1,2-Dichloroethene	1	53.6957	0	50	107	70	130
Bromochloromethane	1	44.6075	0	50	89	70	130
2,2-Dichloropropane	1	52.8986	0	50	106	70	130
Ethyl acetate	1	59.3687	0	50	119	70	130
1,4-Dioxane	1	3188.576	0	2500	128	40	160
1,1-Dichloropropene	1	61.5216	0	50	123	70	130
Chloroform	1	55.2833	0	50	111	70	130
Cyclohexane	1	55.409	0	50	111	70	130
1,2-Dichloroethane	1	55.4176	0	50	111	70	130
2-Butanone	1	51.5738	0	50	103	70	130
1,1,1-Trichloroethane	1	57.1991	0	50	114	70	130
Carbon Tetrachloride	1	54.0411	0	50	108	70	130
Vinyl Acetate	1	48.7732	0	50	98	70	130
Bromodichloromethane	1	54.3964	0	50	109	70	130
Methylcyclohexane	1	58.6595	0	50	117	70	130
Dibromomethane	1	49.0653	0	50	98	70	130
1,2-Dichloropropane	1	72.3209	0	50	145*	70	130
Trichloroethene	1	52.9033	0	50	106	70	130
Benzene	1	58.8122	0	50	118	70	130
tert-Amyl methyl ether	1	59.9717	0	50	120	70	130
Iso-propylacetate	1	44.8374	0	50	90	70	130
Methyl methacrylate	1	39.6901	0	50	79	70	130
Dibromochloromethane	1	51.4421	0	50	103	70	130
2-Chloroethylvinylether	1	32.6906	0	50	65*	70	130
cis-1,3-Dichloropropene	1	49.5251	0	50	99	70	130
trans-1,3-Dichloropropene	1	55.3435	0	50	111	70	130
Ethyl methacrylate	1	48.0431	0	50	96	70	130
1,1,2-Trichloroethane	1	52.5157	0	50	105	70	130
1,2-Dibromoethane	1	54.1033	0	50	108	70	130
1,3-Dichloropropane	1	50.0354	0	50	100	70	130
4-Methyl-2-Pentanone	1	49.7843	0	50	100	40	160
2-Hexanone	1	42.9428	0	50	86	40	160
Tetrachloroethene	1	46.1095	0	50	92	70	130
Toluene	1	51.5905	0	50	103	70	130
1,1,1,2-Tetrachloroethane	1	50.8439	0	50	102	70	130
Chlorobenzene	1	53.7026	0	50	107	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52782

n-Butyl acrylate	1	35.3171	0	50	71	70	130
n-Amyl acetate	1	39.163	0	50	78	70	130
Bromoform	1	38.5267	0	50	77	70	130
Ethylbenzene	1	40.1417	0	50	80	70	130
1,1,2,2-Tetrachloroethane	1	53.641	0	50	107	70	130
Styrene	1	50.2097	0	50	100	70	130
m&p-Xylenes	1	84.7233	0	100	85	70	130
o-Xylene	1	39.6069	0	50	79	70	130
trans-1,4-Dichloro-2-butene	1	44.869	0	50	90	70	130
1,3-Dichlorobenzene	1	44.1248	0	50	88	70	130
1,4-Dichlorobenzene	1	41.668	0	50	83	70	130
1,2-Dichlorobenzene	1	41.3423	0	50	83	70	130
Isopropylbenzene	1	48.1068	0	50	96	70	130
Cyclohexanone	1	261.7857	0	250	105	70	130
Camphene	1	43.4414	0	50	87	70	130
1,2,3-Trichloropropane	1	41.28	0	50	83	70	130
2-Chlorotoluene	1	50.5553	0	50	101	70	130
p-Ethyltoluene	1	48.7744	0	50	98	70	130
4-Chlorotoluene	1	53.6459	0	50	107	70	130
n-Propylbenzene	1	47.8624	0	50	96	70	130
Bromobenzene	1	48.2823	0	50	97	70	130
1,3,5-Trimethylbenzene	1	45.7046	0	50	91	70	130
Butyl methacrylate	1	34.1972	0	50	68*	70	130
t-Butylbenzene	1	46.6879	0	50	93	70	130
1,2,4-Trimethylbenzene	1	46.3544	0	50	93	70	130
sec-Butylbenzene	1	48.2566	0	50	97	70	130
4-Isopropyltoluene	1	45.9971	0	50	92	70	130
n-Butylbenzene	1	50.0944	0	50	100	70	130
p-Diethylbenzene	1	47.0883	0	50	94	70	130
1,2,4,5-Tetramethylbenzene	1	44.9161	0	50	90	70	130
1,2-Dibromo-3-Chloropropane	1	31.901	0	50	64	40	160
Camphor	1	227.2872	0	500	45*	70	130
Hexachlorobutadiene	1	38.9121	0	50	78	70	130
1,2,4-Trichlorobenzene	1	38.5884	0	50	77	70	130
1,2,3-Trichlorobenzene	1	46.0504	0	50	92	70	130
Naphthalene	1	44.3362	0	50	89	40	160

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52787

Data File	Sample ID:	Analysis Date
Spike or Dup: 6M37842.D	MBS52787	4/15/2016 8:11:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260C Matrix: Soil QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	78.6154	0	50	157 *	70	130
Dichlorodifluoromethane	1	74.5672	0	50	149	40	160
Chloromethane	1	62.1613	0	50	124	40	160
Bromomethane	1	56.4834	0	50	113	40	160
Vinyl Chloride	1	64.3028	0	50	129	70	130
Chloroethane	1	60.3765	0	50	121	40	160
Trichlorofluoromethane	1	54.0157	0	50	108	40	160
Ethyl ether	1	56.9855	0	50	114	70	130
Furan	1	29.4343	0	50	59 *	70	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	57.2988	0	50	115	70	130
Methylene Chloride	1	54.5067	0	50	109	70	130
Acrolein	1	442.4389	0	200	221 *	70	130
Acrylonitrile	1	60.3626	0	50	121	70	130
Iodomethane	1	56.0547	0	50	112	70	130
Acetone	1	271.139	0	200	136	40	160
Carbon Disulfide	1	54.0881	0	50	108	40	160
t-Butyl Alcohol	1	256.0857	0	200	128	70	130
n-Hexane	1	63.2236	0	50	126	70	130
Di-isopropyl-ether	1	56.317	0	50	113	70	130
1,1-Dichloroethene	1	51.6207	0	50	103	70	130
Methyl Acetate	1	53.7997	0	50	108	70	130
Methyl-t-butyl ether	1	56.2036	0	50	112	70	130
1,1-Dichloroethane	1	49.856	0	50	100	70	130
trans-1,2-Dichloroethene	1	53.1516	0	50	106	70	130
Ethyl-t-butyl ether	1	48.3924	0	50	97	70	130
cis-1,2-Dichloroethene	1	48.5497	0	50	97	70	130
Bromochloromethane	1	61.1601	0	50	122	70	130
2,2-Dichloropropane	1	52.1229	0	50	104	70	130
Ethyl acetate	1	48.6134	0	50	97	70	130
1,4-Dioxane	1	2074.667	0	2500	83	40	160
1,1-Dichloropropene	1	49.5602	0	50	99	70	130
Chloroform	1	48.063	0	50	96	70	130
Cyclohexane	1	52.4817	0	50	105	70	130
1,2-Dichloroethane	1	49.2691	0	50	99	70	130
2-Butanone	1	45.6315	0	50	91	70	130
1,1,1-Trichloroethane	1	49.8418	0	50	100	70	130
Carbon Tetrachloride	1	52.5138	0	50	105	70	130
Vinyl Acetate	1	48.5714	0	50	97	70	130
Bromodichloromethane	1	48.3785	0	50	97	70	130
Methylcyclohexane	1	54.9228	0	50	110	70	130
Dibromomethane	1	50.182	0	50	100	70	130
1,2-Dichloropropane	1	58.0457	0	50	116	70	130
Trichloroethene	1	45.1947	0	50	90	70	130
Benzene	1	51.2382	0	50	102	70	130
tert-Amyl methyl ether	1	56.3182	0	50	113	70	130
Iso-propylacetate	1	56.4003	0	50	113	70	130
Methyl methacrylate	1	50.1232	0	50	100	70	130
Dibromochloromethane	1	54.2651	0	50	109	70	130
2-Chloroethylvinylether	1	62.6829	0	50	125	70	130
cis-1,3-Dichloropropene	1	54.3538	0	50	109	70	130
trans-1,3-Dichloropropene	1	53.2692	0	50	107	70	130
Ethyl methacrylate	1	47.8521	0	50	96	70	130
1,1,2-Trichloroethane	1	51.6358	0	50	103	70	130
1,2-Dibromoethane	1	49.9209	0	50	100	70	130
1,3-Dichloropropane	1	50.6566	0	50	101	70	130
4-Methyl-2-Pentanone	1	59.0484	0	50	118	40	160
2-Hexanone	1	44.335	0	50	89	40	160
Tetrachloroethene	1	53.4907	0	50	107	70	130
Toluene	1	51.2128	0	50	102	70	130
1,1,1,2-Tetrachloroethane	1	52.951	0	50	106	70	130
Chlorobenzene	1	51.7855	0	50	104	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52787

n-Butyl acrylate	1	31.6204	0	50	63*	70	130
n-Amyl acetate	1	34.7289	0	50	69*	70	130
Bromoform	1	37.6517	0	50	75	70	130
Ethylbenzene	1	50.6751	0	50	101	70	130
1,1,2,2-Tetrachloroethane	1	63.7181	0	50	127	70	130
Styrene	1	48.4915	0	50	97	70	130
m&p-Xylenes	1	87.3092	0	100	87	70	130
o-Xylene	1	42.8352	0	50	86	70	130
trans-1,4-Dichloro-2-butene	1	40.0328	0	50	80	70	130
1,3-Dichlorobenzene	1	50.867	0	50	102	70	130
1,4-Dichlorobenzene	1	46.7479	0	50	93	70	130
1,2-Dichlorobenzene	1	47.196	0	50	94	70	130
Isopropylbenzene	1	47.3182	0	50	95	70	130
Cyclohexanone	1	248.4903	0	250	99	70	130
Camphene	1	46.4966	0	50	93	70	130
1,2,3-Trichloropropane	1	52.8769	0	50	106	70	130
2-Chlorotoluene	1	47.9765	0	50	96	70	130
p-Ethyltoluene	1	50.7875	0	50	102	70	130
4-Chlorotoluene	1	44.3343	0	50	89	70	130
n-Propylbenzene	1	49.6185	0	50	99	70	130
Bromobenzene	1	43.8444	0	50	88	70	130
1,3,5-Trimethylbenzene	1	50.3574	0	50	101	70	130
Butyl methacrylate	1	37.4469	0	50	75	70	130
t-Butylbenzene	1	49.0942	0	50	98	70	130
1,2,4-Trimethylbenzene	1	48.0387	0	50	96	70	130
sec-Butylbenzene	1	48.8973	0	50	98	70	130
4-Isopropyltoluene	1	50.4924	0	50	101	70	130
n-Butylbenzene	1	53.5371	0	50	107	70	130
p-Diethylbenzene	1	55.1107	0	50	110	70	130
1,2,4,5-Tetramethylbenzene	1	44.4819	0	50	89	70	130
1,2-Dibromo-3-Chloropropane	1	33.0525	0	50	66	40	160
Camphor	1	230.0784	0	500	46*	70	130
Hexachlorobutadiene	1	47.2726	0	50	95	70	130
1,2,4-Trichlorobenzene	1	40.2676	0	50	81	70	130
1,2,3-Trichlorobenzene	1	43.3817	0	50	87	70	130
Naphthalene	1	38.514	0	50	77	40	160

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52818

Data File	Sample ID:	Analysis Date
Spike or Dup: 6M37974.D	MBS52818	4/19/2016 6:51:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8260C | Matrix: Soil | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	51.3168	0	50	103	70	130
Dichlorodifluoromethane	1	33.7109	0	50	67	40	160
Chloromethane	1	34.6043	0	50	69	40	160
Bromomethane	1	24.1799	0	50	48	40	160
Vinyl Chloride	1	31.1482	0	50	62*	70	130
Chloroethane	1	42.8213	0	50	86	40	160
Trichlorofluoromethane	1	42.3936	0	50	85	40	160
Ethyl ether	1	23.7666	0	50	48*	70	130
Furan	1	37.8868	0	50	76	70	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	52.0642	0	50	104	70	130
Methylene Chloride	1	34.0905	0	50	68*	70	130
Acrolein	1	236.6774	0	200	118	70	130
Acrylonitrile	1	28.9027	0	50	58*	70	130
Iodomethane	1	36.2665	0	50	73	70	130
Acetone	1	187.7656	0	200	94	40	160
Carbon Disulfide	1	40.453	0	50	81	40	160
t-Butyl Alcohol	1	173.7852	0	200	87	70	130
n-Hexane	1	49.421	0	50	99	70	130
Di-isopropyl-ether	1	31.6211	0	50	63*	70	130
1,1-Dichloroethene	1	31.644	0	50	63*	70	130
Methyl Acetate	1	45.5986	0	50	91	70	130
Methyl-t-butyl ether	1	24.9616	0	50	50*	70	130
1,1-Dichloroethane	1	38.3932	0	50	77	70	130
trans-1,2-Dichloroethene	1	35.769	0	50	72	70	130
Ethyl-t-butyl ether	1	26.5532	0	50	53*	70	130
cis-1,2-Dichloroethene	1	33.5947	0	50	67*	70	130
Bromochloromethane	1	32.125	0	50	64*	70	130
2,2-Dichloropropane	1	34.4857	0	50	69*	70	130
Ethyl acetate	1	26.779	0	50	54*	70	130
1,4-Dioxane	1	2044.148	0	2500	82	40	160
1,1-Dichloropropene	1	38.3223	0	50	77	70	130
Chloroform	1	36.4971	0	50	73	70	130
Cyclohexane	1	44.5976	0	50	89	70	130
1,2-Dichloroethane	1	36.3623	0	50	73	70	130
2-Butanone	1	37.0732	0	50	74	70	130
1,1,1-Trichloroethane	1	37.0143	0	50	74	70	130
Carbon Tetrachloride	1	39.8088	0	50	80	70	130
Vinyl Acetate	1	28.181	0	50	56*	70	130
Bromodichloromethane	1	41.3928	0	50	83	70	130
Methylcyclohexane	1	44.2846	0	50	89	70	130
Dibromomethane	1	36.9358	0	50	74	70	130
1,2-Dichloropropane	1	50.543	0	50	101	70	130
Trichloroethene	1	32.1058	0	50	64*	70	130
Benzene	1	39.9188	0	50	80	70	130
tert-Amyl methyl ether	1	26.9854	0	50	54*	70	130
Iso-propylacetate	1	21.0424	0	50	42*	70	130
Methyl methacrylate	1	23.9094	0	50	48*	70	130
Dibromochloromethane	1	42.3339	0	50	85	70	130
2-Chloroethylvinylether	1	27.309	0	50	55*	70	130
cis-1,3-Dichloropropene	1	34.9826	0	50	70	70	130
trans-1,3-Dichloropropene	1	36.047	0	50	72	70	130
Ethyl methacrylate	1	25.2175	0	50	50*	70	130
1,1,2-Trichloroethane	1	39.3737	0	50	79	70	130
1,2-Dibromoethane	1	34.4891	0	50	69*	70	130
1,3-Dichloropropane	1	35.1645	0	50	70	70	130
4-Methyl-2-Pentanone	1	25.0018	0	50	50	40	160
2-Hexanone	1	24.4951	0	50	49	40	160
Tetrachloroethene	1	42.6248	0	50	85	70	130
Toluene	1	33.2725	0	50	67*	70	130
1,1,1,2-Tetrachloroethane	1	39.2333	0	50	78	70	130
Chlorobenzene	1	39.9895	0	50	80	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52818

n-Butyl acrylate	1	13.8211	0	50	28*	70	130
n-Amyl acetate	1	19.2969	0	50	39*	70	130
Bromoform	1	32.185	0	50	64*	70	130
Ethylbenzene	1	33.1346	0	50	66*	70	130
1,1,2,2-Tetrachloroethane	1	37.3618	0	50	75	70	130
Styrene	1	33.3516	0	50	67*	70	130
m&p-Xylenes	1	65.214	0	100	65*	70	130
o-Xylene	1	33.3961	0	50	67*	70	130
trans-1,4-Dichloro-2-butene	1	28.5971	0	50	57*	70	130
1,3-Dichlorobenzene	1	33.8154	0	50	68*	70	130
1,4-Dichlorobenzene	1	35.4119	0	50	71	70	130
1,2-Dichlorobenzene	1	35.0863	0	50	70	70	130
Isopropylbenzene	1	37.5063	0	50	75	70	130
Cyclohexanone	1	156.2689	0	250	63*	70	130
Camphene	1	32.4035	0	50	65*	70	130
1,2,3-Trichloropropane	1	34.4632	0	50	69*	70	130
2-Chlorotoluene	1	33.8009	0	50	68*	70	130
p-Ethyltoluene	1	35.8272	0	50	72	70	130
4-Chlorotoluene	1	39.1942	0	50	78	70	130
n-Propylbenzene	1	35.4019	0	50	71	70	130
Bromobenzene	1	33.975	0	50	68*	70	130
1,3,5-Trimethylbenzene	1	35.5143	0	50	71	70	130
Butyl methacrylate	1	22.9645	0	50	46*	70	130
t-Butylbenzene	1	38.0331	0	50	76	70	130
1,2,4-Trimethylbenzene	1	29.542	0	50	59*	70	130
sec-Butylbenzene	1	35.2664	0	50	71	70	130
4-Isopropyltoluene	1	32.0413	0	50	64*	70	130
n-Butylbenzene	1	35.7284	0	50	71	70	130
p-Diethylbenzene	1	31.5251	0	50	63*	70	130
1,2,4,5-Tetramethylbenzene	1	18.6211	0	50	37*	70	130
1,2-Dibromo-3-Chloropropane	1	30.4493	0	50	61	40	160
Camphor	1	130.7132	0	500	26*	70	130
Hexachlorobutadiene	1	31.8414	0	50	64*	70	130
1,2,4-Trichlorobenzene	1	31.5928	0	50	63*	70	130
1,2,3-Trichlorobenzene	1	28.6545	0	50	57*	70	130
Naphthalene	1	21.9999	0	50	44	40	160

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52818

Data File	Sample ID:	Analysis Date
Spike or Dup: 6M37976.D	AC90773-011(MS)	4/19/2016 7:25:00 PM
Non Spike(If applicable): 6M37957.D	AC90773-011	4/19/2016 2:08:00 PM
Inst Blank(If applicable):		

Method: 8260C | Matrix: Soil | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	106.5408	0	50	213*	70	130
Dichlorodifluoromethane	1	59.3683	0	50	119	40	160
Chloromethane	1	53.6357	0	50	107	40	160
Bromomethane	1	37.4385	0	50	75	40	160
Vinyl Chloride	1	40.7845	0	50	82	70	130
Chloroethane	1	46.231	0	50	92	40	160
Trichlorofluoromethane	1	56.1197	0	50	112	40	160
Ethyl ether	1	26.0008	0	50	52*	70	130
Furan	1	61.5962	0	50	123	70	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	66.8982	0	50	134*	70	130
Methylene Chloride	1	43.698	0	50	87	70	130
Acrolein	1	355.6251	0	200	178*	70	130
Acrylonitrile	1	47.4446	0	50	95	70	130
Iodomethane	1	48.8794	0	50	98	70	130
Acetone	1	299.4357	0	200	150	40	160
Carbon Disulfide	1	49.3319	0	50	99	40	160
t-Butyl Alcohol	1	194.6912	0	200	97	70	130
n-Hexane	1	55.9051	0	50	112	70	130
Di-isopropyl-ether	1	43.8008	0	50	88	70	130
1,1-Dichloroethene	1	50.7227	0	50	101	70	130
Methyl Acetate	1	52.0003	0	50	104	70	130
Methyl-t-butyl ether	1	40.6045	0	50	81	70	130
1,1-Dichloroethane	1	47.2701	0	50	95	70	130
trans-1,2-Dichloroethene	1	50.5997	0	50	101	70	130
Ethyl-t-butyl ether	1	33.6071	0	50	67*	70	130
cis-1,2-Dichloroethene	1	43.0092	0	50	86	70	130
Bromochloromethane	1	50.3642	0	50	101	70	130
2,2-Dichloropropane	1	50.2026	0	50	100	70	130
Ethyl acetate	1	28.8416	0	50	58*	70	130
1,4-Dioxane	1	3373.739	0	2500	135	40	160
1,1-Dichloropropene	1	53.755	0	50	108	70	130
Chloroform	1	49.9115	0	50	100	70	130
Cyclohexane	1	56.4477	0	50	113	70	130
1,2-Dichloroethane	1	48.0339	0	50	96	70	130
2-Butanone	1	52.2727	0	50	105	70	130
1,1,1-Trichloroethane	1	51.9782	0	50	104	70	130
Carbon Tetrachloride	1	55.2173	0	50	110	70	130
Vinyl Acetate	1	33.2046	0	50	66*	70	130
Bromodichloromethane	1	44.6478	0	50	89	70	130
Methylcyclohexane	1	56.3365	0	50	113	70	130
Dibromomethane	1	52.1906	0	50	104	70	130
1,2-Dichloropropane	1	61.1467	0	50	122	70	130
Trichloroethene	1	50.4126	0	50	101	70	130
Benzene	1	52.8706	0	50	106	70	130
tert-Amyl methyl ether	1	40.0157	0	50	80	70	130
Iso-propylacetate	1	25.5877	0	50	51*	70	130
Methyl methacrylate	1	35.2152	0	50	70	70	130
Dibromochloromethane	1	52.3487	0	50	105	70	130
2-Chloroethylvinylether	1	35.7252	0	50	71	70	130
cis-1,3-Dichloropropene	1	40.3282	0	50	81	70	130
trans-1,3-Dichloropropene	1	39.7236	0	50	79	70	130
Ethyl methacrylate	1	30.3234	0	50	61*	70	130
1,1,2-Trichloroethane	1	51.4037	0	50	103	70	130
1,2-Dibromoethane	1	51.72	0	50	103	70	130
1,3-Dichloropropane	1	45.7713	0	50	92	70	130
4-Methyl-2-Pentanone	1	36.2745	0	50	73	40	160
2-Hexanone	1	33.8215	0	50	68	40	160
Tetrachloroethene	1	48.5302	0	50	97	70	130
Toluene	1	45.2663	0	50	91	70	130
1,1,1,2-Tetrachloroethane	1	50.5949	0	50	101	70	130
Chlorobenzene	1	50.2191	0	50	100	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52818

n-Butyl acrylate	1	21.5123	0	50	43*	70	130
n-Amyl acetate	1	18.5496	0	50	37*	70	130
Bromoform	1	34.0191	0	50	68*	70	130
Ethylbenzene	1	46.6029	0	50	93	70	130
1,1,2,2-Tetrachloroethane	1	42.0965	0	50	84	70	130
Styrene	1	38.8414	0	50	78	70	130
m&p-Xylenes	1	82.5575	0	100	83	70	130
o-Xylene	1	35.1452	0	50	70	70	130
trans-1,4-Dichloro-2-butene	1	33.5984	0	50	67*	70	130
1,3-Dichlorobenzene	1	34.2567	0	50	69*	70	130
1,4-Dichlorobenzene	1	34.3351	0	50	69*	70	130
1,2-Dichlorobenzene	1	34.0751	0	50	68*	70	130
Isopropylbenzene	1	43.3757	0	50	87	70	130
Cyclohexanone	1	205.7544	0	250	82	70	130
Camphene	1	37.0651	0	50	74	70	130
1,2,3-Trichloropropane	1	38.2328	0	50	76	70	130
2-Chlorotoluene	1	42.1653	0	50	84	70	130
p-Ethyltoluene	1	45.8332	0	50	92	70	130
4-Chlorotoluene	1	38.1983	0	50	76	70	130
n-Propylbenzene	1	40.2554	0	50	81	70	130
Bromobenzene	1	38.2703	0	50	77	70	130
1,3,5-Trimethylbenzene	1	38.2915	0	50	77	70	130
Butyl methacrylate	1	27.1276	0	50	54*	70	130
t-Butylbenzene	1	44.3663	0	50	89	70	130
1,2,4-Trimethylbenzene	1	35.5268	0	50	71	70	130
sec-Butylbenzene	1	39.4982	0	50	79	70	130
4-Isopropyltoluene	1	36.3804	0	50	73	70	130
n-Butylbenzene	1	35.1779	0	50	70	70	130
p-Diethylbenzene	1	35.7493	0	50	71	70	130
1,2,4,5-Tetramethylbenzene	1	24.0128	0	50	48*	70	130
1,2-Dibromo-3-Chloropropane	1	40.1999	0	50	80	40	160
Camphor	1	177.5843	0	500	36*	70	130
Hexachlorobutadiene	1	28.5129	0	50	57*	70	130
1,2,4-Trichlorobenzene	1	25.858	0	50	52*	70	130
1,2,3-Trichlorobenzene	1	22.3822	0	50	45*	70	130
Naphthalene	1	22.5874	0	50	45	40	160

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52818

Data File	Sample ID:	Analysis Date
Spike or Dup: 6M37977.D	AC90773-011(MSD)	4/19/2016 7:42:00 PM
Non Spike(If applicable): 6M37957.D	AC90773-011	4/19/2016 2:08:00 PM
Inst Blank(If applicable):		

Method: 8260C | Matrix: Soil | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	54.9341	0	50	110	70	130
Dichlorodifluoromethane	1	53.6583	0	50	107	40	160
Chloromethane	1	47.2722	0	50	95	40	160
Bromomethane	1	35.0895	0	50	70	40	160
Vinyl Chloride	1	32.4324	0	50	65*	70	130
Chloroethane	1	46.6705	0	50	93	40	160
Trichlorofluoromethane	1	49.6126	0	50	99	40	160
Ethyl ether	1	24.0978	0	50	48*	70	130
Furan	1	64.287	0	50	129	70	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	65.2148	0	50	130	70	130
Methylene Chloride	1	44.4953	0	50	89	70	130
Acrolein	1	281.8982	0	200	141*	70	130
Acrylonitrile	1	35.2708	0	50	71	70	130
Iodomethane	1	45.873	0	50	92	70	130
Acetone	1	273.6434	0	200	137	40	160
Carbon Disulfide	1	44.6168	0	50	89	40	160
t-Butyl Alcohol	1	309.4056	0	200	155*	70	130
n-Hexane	1	50.4319	0	50	101	70	130
Di-isopropyl-ether	1	46.3355	0	50	93	70	130
1,1-Dichloroethene	1	47.3189	0	50	95	70	130
Methyl Acetate	1	73.8721	0	50	148*	70	130
Methyl-t-butyl ether	1	41.0655	0	50	82	70	130
1,1-Dichloroethane	1	51.5393	0	50	103	70	130
trans-1,2-Dichloroethene	1	46.3139	0	50	93	70	130
Ethyl-t-butyl ether	1	39.8947	0	50	80	70	130
cis-1,2-Dichloroethene	1	42.211	0	50	84	70	130
Bromochloromethane	1	58.0374	0	50	116	70	130
2,2-Dichloropropane	1	52.8981	0	50	106	70	130
Ethyl acetate	1	36.0356	0	50	72	70	130
1,4-Dioxane	1	3616.958	0	2500	145	40	160
1,1-Dichloropropene	1	47.768	0	50	96	70	130
Chloroform	1	46.3197	0	50	93	70	130
Cyclohexane	1	52.8425	0	50	106	70	130
1,2-Dichloroethane	1	48.9325	0	50	98	70	130
2-Butanone	1	45.2868	0	50	91	70	130
1,1,1-Trichloroethane	1	54.3189	0	50	109	70	130
Carbon Tetrachloride	1	55.2591	0	50	111	70	130
Vinyl Acetate	1	35.4771	0	50	71	70	130
Bromodichloromethane	1	48.5426	0	50	97	70	130
Methylcyclohexane	1	55.7635	0	50	112	70	130
Dibromomethane	1	43.5202	0	50	87	70	130
1,2-Dichloropropane	1	59.6145	0	50	119	70	130
Trichloroethene	1	46.564	0	50	93	70	130
Benzene	1	52.0421	0	50	104	70	130
tert-Amyl methyl ether	1	42.3366	0	50	85	70	130
Iso-propylacetate	1	23.5362	0	50	47*	70	130
Methyl methacrylate	1	23.7423	0	50	47*	70	130
Dibromochloromethane	1	50.6329	0	50	101	70	130
2-Chloroethylvinylether	1	30.028	0	50	60*	70	130
cis-1,3-Dichloropropene	1	34.6163	0	50	69*	70	130
trans-1,3-Dichloropropene	1	37.6325	0	50	75	70	130
Ethyl methacrylate	1	25.3423	0	50	51*	70	130
1,1,2-Trichloroethane	1	48.121	0	50	96	70	130
1,2-Dibromoethane	1	44.7597	0	50	90	70	130
1,3-Dichloropropane	1	38.9314	0	50	78	70	130
4-Methyl-2-Pentanone	1	34.6222	0	50	69	40	160
2-Hexanone	1	30.1399	0	50	60	40	160
Tetrachloroethene	1	44.378	0	50	89	70	130
Toluene	1	35.2312	0	50	70	70	130
1,1,1,2-Tetrachloroethane	1	45.6625	0	50	91	70	130
Chlorobenzene	1	41.8822	0	50	84	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52818

n-Butyl acrylate	1	24.9753	0	50	50*	70	130
n-Amyl acetate	1	20.3751	0	50	41*	70	130
Bromoform	1	43.2976	0	50	87	70	130
Ethylbenzene	1	45.874	0	50	92	70	130
1,1,2,2-Tetrachloroethane	1	50.4429	0	50	101	70	130
Styrene	1	45.7312	0	50	91	70	130
m&p-Xylenes	1	89.2871	0	100	89	70	130
o-Xylene	1	38.5887	0	50	77	70	130
trans-1,4-Dichloro-2-butene	1	35.1975	0	50	70	70	130
1,3-Dichlorobenzene	1	37.0181	0	50	74	70	130
1,4-Dichlorobenzene	1	37.1576	0	50	74	70	130
1,2-Dichlorobenzene	1	39.3724	0	50	79	70	130
Isopropylbenzene	1	45.5336	0	50	91	70	130
Cyclohexanone	1	239.6107	0	250	96	70	130
Camphene	1	38.6293	0	50	77	70	130
1,2,3-Trichloropropane	1	41.5335	0	50	83	70	130
2-Chlorotoluene	1	44.6667	0	50	89	70	130
p-Ethyltoluene	1	49.9213	0	50	100	70	130
4-Chlorotoluene	1	39.0964	0	50	78	70	130
n-Propylbenzene	1	46.4337	0	50	93	70	130
Bromobenzene	1	42.9464	0	50	86	70	130
1,3,5-Trimethylbenzene	1	44.953	0	50	90	70	130
Butyl methacrylate	1	31.9919	0	50	64*	70	130
t-Butylbenzene	1	48.4454	0	50	97	70	130
1,2,4-Trimethylbenzene	1	39.5775	0	50	79	70	130
sec-Butylbenzene	1	41.419	0	50	83	70	130
4-Isopropyltoluene	1	43.1486	0	50	86	70	130
n-Butylbenzene	1	40.7746	0	50	82	70	130
p-Diethylbenzene	1	37.6792	0	50	75	70	130
1,2,4,5-Tetramethylbenzene	1	25.2554	0	50	51*	70	130
1,2-Dibromo-3-Chloropropane	1	18.7778	0	50	38*	40	160
Camphor	1	234.825	0	500	47*	70	130
Hexachlorobutadiene	1	34.5029	0	50	69*	70	130
1,2,4-Trichlorobenzene	1	27.4448	0	50	55*	70	130
1,2,3-Trichlorobenzene	1	26.6907	0	50	53*	70	130
Naphthalene	1	26.4964	0	50	53	40	160

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD Data

QC Batch: MBS52818

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M37977.D	AC90773-011(MSD)	4/19/2016 7:42:00 PM
Duplicate(If applicable):	6M37976.D	AC90773-011(MS)	4/19/2016 7:25:00 PM
Inst Blank(If applicable):			

Method: 8260C Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	54.9341	106.5408	64*	30
Dichlorodifluoromethane	1	53.6583	59.3683	10	30
Chloromethane	1	47.2722	53.6357	13	30
Bromomethane	1	35.0895	37.4385	6.5	30
Vinyl Chloride	1	32.4324	40.7845	23	30
Chloroethane	1	46.6705	46.231	0.95	30
Trichlorofluoromethane	1	49.6126	56.1197	12	30
Ethyl ether	1	24.0978	26.0008	7.6	30
Furan	1	64.287	61.5962	4.3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1	65.2148	66.8982	2.5	30
Methylene Chloride	1	44.4953	43.698	1.8	30
Acrolein	1	281.8982	355.6251	23	30
Acrylonitrile	1	35.2708	47.4446	29	30
Iodomethane	1	45.873	48.8794	6.3	30
Acetone	1	273.6434	299.4357	9	30
Carbon Disulfide	1	44.6168	49.3319	10	30
t-Butyl Alcohol	1	309.4056	194.6912	46*	30
n-Hexane	1	50.4319	55.9051	10	30
Di-isopropyl-ether	1	46.3355	43.8008	5.6	30
1,1-Dichloroethene	1	47.3189	50.7227	6.9	30
Methyl Acetate	1	73.8721	52.0003	35*	30
Methyl-t-butyl ether	1	41.0655	40.6045	1.1	30
1,1-Dichloroethane	1	51.5393	47.2701	8.6	30
trans-1,2-Dichloroethene	1	46.3139	50.5997	8.8	30
Ethyl-t-butyl ether	1	39.8947	33.6071	17	30
cis-1,2-Dichloroethene	1	42.211	43.0092	1.9	30
Bromochloromethane	1	58.0374	50.3642	14	30
2,2-Dichloropropane	1	52.8981	50.2026	5.2	30
Ethyl acetate	1	36.0356	28.8416	22	30
1,4-Dioxane	1	3616.958	3373.739	7	30
1,1-Dichloropropene	1	47.768	53.755	12	30
Chloroform	1	46.3197	49.9115	7.5	30
Cyclohexane	1	52.8425	56.4477	6.6	30
1,2-Dichloroethane	1	48.9325	48.0339	1.9	30
2-Butanone	1	45.2868	52.2727	14	30
1,1,1-Trichloroethane	1	54.3189	51.9782	4.4	30
Carbon Tetrachloride	1	55.2591	55.2173	0.08	30
Vinyl Acetate	1	35.4771	33.2046	6.6	30
Bromodichloromethane	1	48.5426	44.6478	8.4	30
Methylcyclohexane	1	55.7635	56.3365	1	30
Dibromomethane	1	43.5202	52.1906	18	30
1,2-Dichloropropane	1	59.6145	61.1467	2.5	30
Trichloroethene	1	46.564	50.4126	7.9	30
Benzene	1	52.0421	52.8706	1.6	30
tert-Amyl methyl ether	1	42.3366	40.0157	5.6	30
Iso-propylacetate	1	23.5362	25.5877	8.4	30
Methyl methacrylate	1	23.7423	35.2152	39*	30
Dibromochloromethane	1	50.6329	52.3487	3.3	30
2-Chloroethylvinylether	1	30.028	35.7252	17	30
cis-1,3-Dichloropropene	1	34.6163	40.3282	15	30
trans-1,3-Dichloropropene	1	37.6325	39.7236	5.4	30
Ethyl methacrylate	1	25.3423	30.3234	18	30
1,1,2-Trichloroethane	1	48.121	51.4037	6.6	30
1,2-Dibromoethane	1	44.7597	51.72	14	30
1,3-Dichloropropane	1	38.9314	45.7713	16	30
4-Methyl-2-Pentanone	1	34.6222	36.2745	4.7	30
2-Hexanone	1	30.1399	33.8215	12	30
Tetrachloroethene	1	44.378	48.5302	8.9	30
Toluene	1	35.2312	45.2663	25	30
1,1,1,2-Tetrachloroethane	1	45.6625	50.5949	10	30
Chlorobenzene	1	41.8822	50.2191	18	30
n-Butyl acrylate	1	24.9753	21.5123	15	30
n-Amyl acetate	1	20.3751	18.5496	9.4	30

Form3
RPD Data
QC Batch: MBS52818

Bromoform	1	43.2976	34.0191	24	30
Ethylbenzene	1	45.874	46.6029	1.6	30
1,1,2,2-Tetrachloroethane	1	50.4429	42.0965	18	30
Styrene	1	45.7312	38.8414	16	30
m&p-Xylenes	1	89.2871	82.5575	7.8	30
o-Xylene	1	38.5887	35.1452	9.3	30
trans-1,4-Dichloro-2-butene	1	35.1975	33.5984	4.6	30
1,3-Dichlorobenzene	1	37.0181	34.2567	7.7	30
1,4-Dichlorobenzene	1	37.1576	34.3351	7.9	30
1,2-Dichlorobenzene	1	39.3724	34.0751	14	30
Isopropylbenzene	1	45.5336	43.3757	4.9	30
Cyclohexanone	1	239.6107	205.7544	15	30
Camphene	1	38.6293	37.0651	4.1	30
1,2,3-Trichloropropane	1	41.5335	38.2328	8.3	30
2-Chlorotoluene	1	44.6667	42.1653	5.8	30
p-Ethyltoluene	1	49.9213	45.8332	8.5	30
4-Chlorotoluene	1	39.0964	38.1983	2.3	30
n-Propylbenzene	1	46.4337	40.2554	14	30
Bromobenzene	1	42.9464	38.2703	12	30
1,3,5-Trimethylbenzene	1	44.953	38.2915	16	30
Butyl methacrylate	1	31.9919	27.1276	16	30
t-Butylbenzene	1	48.4454	44.3663	8.8	30
1,2,4-Trimethylbenzene	1	39.5775	35.5268	11	30
sec-Butylbenzene	1	41.419	39.4982	4.7	30
4-Isopropyltoluene	1	43.1486	36.3804	17	30
n-Butylbenzene	1	40.7746	35.1779	15	30
p-Diethylbenzene	1	37.6792	35.7493	5.3	30
1,2,4,5-Tetramethylbenzene	1	25.2554	24.0128	5	30
1,2-Dibromo-3-Chloropropane	1	18.7778	40.1999	73*	30
Camphor	1	234.825	177.5843	28	30
Hexachlorobutadiene	1	34.5029	28.5129	19	30
1,2,4-Trichlorobenzene	1	27.4448	25.858	6	30
1,2,3-Trichlorobenzene	1	26.6907	22.3822	18	30
Naphthalene	1	26.4964	22.5874	16	30

* - Indicates outside of limits

NA - Both concentrations=0... no result can be calculated

Form3
Recovery Data
QC Batch: MBS52809

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M52328.D	AC90749-001(MS)	4/19/2016 12:27:00 AM
Non Spike(If applicable):	2M52327.D	AC90749-001	4/19/2016 12:11:00 AM
Inst Blank(If applicable):			

Method: 624 | Matrix: Aqueous | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chloromethane	1	16.138	0	20	81	1	273
Bromomethane	1	21.0583	0	20	105	1	242
Vinyl Chloride	1	19.5757	0	20	98	1	251
Chloroethane	1	24.2443	0	20	121	14	230
Trichlorofluoromethane	1	23.2606	0	20	116	17	181
Methylene Chloride	1	20.2829	0	20	101	1	221
1,1-Dichloroethene	1	20.9911	0	20	105	1	234
1,1-Dichloroethane	1	20.8723	0	20	104	59	155
trans-1,2-Dichloroethene	1	21.6407	0	20	108	54	156
Chloroform	1	21.7167	0	20	109	51	138
1,2-Dichloroethane	1	17.0943	0	20	85	49	155
1,1,1-Trichloroethane	1	23.4916	0	20	117	52	162
Carbon Tetrachloride	1	23.946	0	20	120	70	140
Bromodichloromethane	1	22.5061	0	20	113	35	155
1,2-Dichloropropane	1	23.5806	0	20	118	1	210
Trichloroethene	1	21.4379	0	20	107	71	157
Benzene	1	22.011	0	20	110	37	151
Dibromochloromethane	1	19.5417	0	20	98	53	149
2-Chloroethylvinylether	1	0	0	20	0*	1	305
cis-1,3-Dichloropropene	1	13.1595	0	20	66	1	227
trans-1,3-Dichloropropene	1	12.9009	0	20	65	17	183
1,1,2-Trichloroethane	1	20.6811	0	20	103	52	150
Tetrachloroethene	1	21.8101	0	20	109	64	148
Toluene	1	18.7925	0	20	94	47	150
Chlorobenzene	1	19.3858	0	20	97	37	160
Bromoform	1	16.5315	0	20	83	45	169
Ethylbenzene	1	17.1672	0	20	86	37	162
1,1,2,2-Tetrachloroethane	1	17.1426	0	20	86	46	157
1,3-Dichlorobenzene	1	17.5234	0	20	88	59	156
1,4-Dichlorobenzene	1	18.0261	0	20	90	18	190
1,2-Dichlorobenzene	1	17.2609	0	20	86	18	190

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: MBS52809

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M52329.D	AC90749-001(MSD)	4/19/2016 12:45:00 AM
Non Spike(If applicable):	2M52327.D	AC90749-001	4/19/2016 12:11:00 AM
Inst Blank(If applicable):			

Method: 624 | Matrix: Aqueous | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chloromethane	1	15.1866	0	20	76	1	273
Bromomethane	1	17.7949	0	20	89	1	242
Vinyl Chloride	1	16.9009	0	20	85	1	251
Chloroethane	1	21.5143	0	20	108	14	230
Trichlorofluoromethane	1	22.2322	0	20	111	17	181
Methylene Chloride	1	20.0779	0	20	100	1	221
1,1-Dichloroethene	1	21.5102	0	20	108	1	234
1,1-Dichloroethane	1	18.17	0	20	91	59	155
trans-1,2-Dichloroethene	1	19.1831	0	20	96	54	156
Chloroform	1	21.3088	0	20	107	51	138
1,2-Dichloroethane	1	16.5004	0	20	83	49	155
1,1,1-Trichloroethane	1	21.3865	0	20	107	52	162
Carbon Tetrachloride	1	21.1382	0	20	106	70	140
Bromodichloromethane	1	17.6957	0	20	88	35	155
1,2-Dichloropropane	1	20.1018	0	20	101	1	210
Trichloroethene	1	18.9425	0	20	95	71	157
Benzene	1	19.8815	0	20	99	37	151
Dibromochloromethane	1	18.2265	0	20	91	53	149
2-Chloroethylvinylether	1	0	0	20	0*	1	305
cis-1,3-Dichloropropene	1	15.1633	0	20	76	1	227
trans-1,3-Dichloropropene	1	12.5677	0	20	63	17	183
1,1,2-Trichloroethane	1	17.2209	0	20	86	52	150
Tetrachloroethene	1	19.9695	0	20	100	64	148
Toluene	1	16.926	0	20	85	47	150
Chlorobenzene	1	18.6342	0	20	93	37	160
Bromoform	1	15.5344	0	20	78	45	169
Ethylbenzene	1	15.9236	0	20	80	37	162
1,1,2,2-Tetrachloroethane	1	16.6847	0	20	83	46	157
1,3-Dichlorobenzene	1	18.0913	0	20	90	59	156
1,4-Dichlorobenzene	1	18.0013	0	20	90	18	190
1,2-Dichlorobenzene	1	17.0342	0	20	85	18	190

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB49891
Client Id:
Data File: 9M70514.D
Analysis Date: 04/19/16 16:54
Date Rec/Extracted: NA-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.0	U	205-99-2	Benzo[b]fluoranthene	2.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	191-24-2	Benzo[g,h,i]perylene	2.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
120-83-2	2,4-Dichlorophenol	0.50	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
105-67-9	2,4-Dimethylphenol	0.50	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	85-68-7	Butylbenzylphthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	105-60-2	Caprolactam	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
98-86-2	Acetophenone	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
120-12-7	Anthracene	2.0	U	87-86-5	Pentachlorophenol	10	U
1912-24-9	Atrazine	2.0	U	85-01-8	Phenanthrene	2.0	U
100-52-7	Benzaldehyde	2.0	U	108-95-2	Phenol	2.0	U
56-55-3	Benzo[a]anthracene	2.0	U	129-00-0	Pyrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U				

Worksheet #: 380870

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: WMB49891
Client Id:
Data File: 9M70514.D
Analysis Date: 04/19/16 16:54
Date Rec/Extracted: NA-04/19/16

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.56	13 J

Worksheet #: 380870

Total Tentatively Identified Concentration 13

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB49884
Client Id:
Data File: 7M76345.D
Analysis Date: 04/19/16 15:39
Date Rec/Extracted: NA-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.033	U	205-99-2	Benzo[b]fluoranthene	0.033	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	191-24-2	Benzo[g,h,i]perylene	0.033	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-44-4	bis(2-Chloroethyl)ether	0.0083	U
120-83-2	2,4-Dichlorophenol	0.0083	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
105-67-9	2,4-Dimethylphenol	0.0083	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	85-68-7	Butylbenzylphthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	105-60-2	Caprolactam	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.0083	U
95-48-7	2-Methylphenol	0.0083	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.0083	U
106-44-5	3&4-Methylphenol	0.0083	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.065	U
106-47-8	4-Chloroaniline	0.0083	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.0083	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	621-64-7	N-Nitroso-di-n-propylamine	0.0083	U
98-86-2	Acetophenone	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
120-12-7	Anthracene	0.033	U	87-86-5	Pentachlorophenol	0.044	U
1912-24-9	Atrazine	0.033	U	85-01-8	Phenanthrene	0.033	U
100-52-7	Benzaldehyde	0.033	U	108-95-2	Phenol	0.033	U
56-55-3	Benzo[a]anthracene	0.033	U	129-00-0	Pyrene	0.033	U
50-32-8	Benzo[a]pyrene	0.033	U				

Worksheet #: 380868

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: SMB49884
Client Id:
Data File: 7M76345.D
Analysis Date: 04/19/16 15:39
Date Rec/Extracted: NA-04/19/16

Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100
Method: EPA 8270D

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	1735-17-7	PERDEUTEROCYCLOHEXANE	2.64	0.11 J
2		unknown	4.07	0.43 J
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.36	12 JA
4		unknown	5.08	0.14 J

Worksheet #: 380868

Total Tentatively Identified Concentration 13

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-001
Client Id: SW-1
Data File: 9M70522.D
Analysis Date: 04/19/16 19:57
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.0	U	205-99-2	Benzo[b]fluoranthene	2.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	191-24-2	Benzo[g,h,i]perylene	2.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
120-83-2	2,4-Dichlorophenol	0.50	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
105-67-9	2,4-Dimethylphenol	0.50	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	85-68-7	Butylbenzylphthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	105-60-2	Caprolactam	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
98-86-2	Acetophenone	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
120-12-7	Anthracene	2.0	U	87-86-5	Pentachlorophenol	10	U
1912-24-9	Atrazine	2.0	U	85-01-8	Phenanthrene	2.0	U
100-52-7	Benzaldehyde	2.0	U	108-95-2	Phenol	2.0	U
56-55-3	Benzo[a]anthracene	2.0	U	129-00-0	Pyrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U				

Worksheet #: 380870

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-001
Client Id: SW-1
Data File: 9M70522.D
Analysis Date: 04/19/16 19:57
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.57	14 JB

Worksheet #: 380870

Total Tentatively Identified Concentration 14

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-002
Client Id: SW-10
Data File: 9M70523.D
Analysis Date: 04/19/16 20:20
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.1	U	205-99-2	Benzo[b]fluoranthene	2.1	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	191-24-2	Benzo[g,h,i]perylene	2.1	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.1	U	207-08-9	Benzo[k]fluoranthene	2.1	U
95-95-4	2,4,5-Trichlorophenol	2.1	U	111-91-1	bis(2-Chloroethoxy)methan	2.1	U
88-06-2	2,4,6-Trichlorophenol	2.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
120-83-2	2,4-Dichlorophenol	0.53	U	108-60-1	bis(2-chloroisopropyl)ether	2.1	U
105-67-9	2,4-Dimethylphenol	0.53	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.1	U
51-28-5	2,4-Dinitrophenol	11	U	85-68-7	Butylbenzylphthalate	2.1	U
121-14-2	2,4-Dinitrotoluene	2.1	U	105-60-2	Caprolactam	2.1	U
606-20-2	2,6-Dinitrotoluene	2.1	U	86-74-8	Carbazole	2.1	U
91-58-7	2-Chloronaphthalene	2.1	U	218-01-9	Chrysene	2.1	U
95-57-8	2-Chlorophenol	2.1	U	53-70-3	Dibenzo[a,h]anthracene	2.1	U
91-57-6	2-Methylnaphthalene	2.1	U	132-64-9	Dibenzofuran	0.53	U
95-48-7	2-Methylphenol	0.53	U	84-66-2	Diethylphthalate	2.1	U
88-74-4	2-Nitroaniline	2.1	U	131-11-3	Dimethylphthalate	2.1	U
88-75-5	2-Nitrophenol	2.1	U	84-74-2	Di-n-butylphthalate	0.53	U
106-44-5	3&4-Methylphenol	0.53	U	117-84-0	Di-n-octylphthalate	2.1	U
91-94-1	3,3'-Dichlorobenzidine	2.1	U	206-44-0	Fluoranthene	2.1	U
99-09-2	3-Nitroaniline	2.1	U	86-73-7	Fluorene	2.1	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U	118-74-1	Hexachlorobenzene	2.1	U
101-55-3	4-Bromophenyl-phenylether	2.1	U	87-68-3	Hexachlorobutadiene	2.1	U
59-50-7	4-Chloro-3-methylphenol	2.1	U	77-47-4	Hexachlorocyclopentadiene	2.1	U
106-47-8	4-Chloroaniline	0.53	U	67-72-1	Hexachloroethane	2.1	U
7005-72-3	4-Chlorophenyl-phenylether	2.1	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.1	U
100-01-6	4-Nitroaniline	2.1	U	78-59-1	Isophorone	2.1	U
100-02-7	4-Nitrophenol	2.1	U	91-20-3	Naphthalene	0.53	U
83-32-9	Acenaphthene	2.1	U	98-95-3	Nitrobenzene	2.1	U
208-96-8	Acenaphthylene	2.1	U	621-64-7	N-Nitroso-di-n-propylamine	0.53	U
98-86-2	Acetophenone	2.1	U	86-30-6	n-Nitrosodiphenylamine	2.1	U
120-12-7	Anthracene	2.1	U	87-86-5	Pentachlorophenol	11	U
1912-24-9	Atrazine	2.1	U	85-01-8	Phenanthrene	2.1	U
100-52-7	Benzaldehyde	2.1	U	108-95-2	Phenol	2.1	U
56-55-3	Benzo[a]anthracene	2.1	U	129-00-0	Pyrene	2.1	U
50-32-8	Benzo[a]pyrene	2.1	U				

Worksheet #: 380870

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-002
Client Id: SW-10
Data File: 9M70523.D
Analysis Date: 04/19/16 20:20
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.57	13 JB

Worksheet #: 380870

Total Tentatively Identified Concentration 13

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-003
Client Id: SD-1
Data File: 7M76348.D
Analysis Date: 04/19/16 16:48
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 64

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.052	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.052**	**0.13**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.052	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.052**	**0.074**
58-90-2	2,3,4,6-Tetrachlorophenol	0.052	U	207-08-9	Benzo[k]fluoranthene	0.052	U
95-95-4	2,4,5-Trichlorophenol	0.052	U	111-91-1	bis(2-Chloroethoxy)methan	0.052	U
88-06-2	2,4,6-Trichlorophenol	0.052	U	111-44-4	bis(2-Chloroethyl)ether	0.013	U
120-83-2	2,4-Dichlorophenol	0.013	U	108-60-1	bis(2-chloroisopropyl)ether	0.052	U
105-67-9	2,4-Dimethylphenol	0.013	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.052	U
51-28-5	2,4-Dinitrophenol	0.26	U	85-68-7	Butylbenzylphthalate	0.052	U
121-14-2	2,4-Dinitrotoluene	0.052	U	105-60-2	Caprolactam	0.052	U
606-20-2	2,6-Dinitrotoluene	0.052	U	86-74-8	Carbazole	0.052	U
91-58-7	2-Chloronaphthalene	0.052	U	**218-01-9**	**Chrysene**	**0.052**	**0.080**
95-57-8	2-Chlorophenol	0.052	U	53-70-3	Dibenzo[a,h]anthracene	0.052	U
91-57-6	2-Methylnaphthalene	0.052	U	132-64-9	Dibenzofuran	0.013	U
95-48-7	2-Methylphenol	0.013	U	84-66-2	Diethylphthalate	0.052	U
88-74-4	2-Nitroaniline	0.052	U	131-11-3	Dimethylphthalate	0.052	U
88-75-5	2-Nitrophenol	0.052	U	84-74-2	Di-n-butylphthalate	0.013	U
106-44-5	3&4-Methylphenol	0.013	U	117-84-0	Di-n-octylphthalate	0.052	U
91-94-1	3,3'-Dichlorobenzidine	0.052	U	**206-44-0**	**Fluoranthene**	**0.052**	**0.15**
99-09-2	3-Nitroaniline	0.052	U	86-73-7	Fluorene	0.052	U
534-52-1	4,6-Dinitro-2-methylphenol	0.26	U	118-74-1	Hexachlorobenzene	0.052	U
101-55-3	4-Bromophenyl-phenylether	0.052	U	87-68-3	Hexachlorobutadiene	0.052	U
59-50-7	4-Chloro-3-methylphenol	0.052	U	77-47-4	Hexachlorocyclopentadiene	0.10	U
106-47-8	4-Chloroaniline	0.013	U	67-72-1	Hexachloroethane	0.052	U
7005-72-3	4-Chlorophenyl-phenylether	0.052	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.052**	**0.054**
100-01-6	4-Nitroaniline	0.052	U	78-59-1	Isophorone	0.052	U
100-02-7	4-Nitrophenol	0.052	U	91-20-3	Naphthalene	0.013	U
83-32-9	Acenaphthene	0.052	U	98-95-3	Nitrobenzene	0.052	U
208-96-8	Acenaphthylene	0.052	U	621-64-7	N-Nitroso-di-n-propylamine	0.013	U
98-86-2	Acetophenone	0.052	U	86-30-6	n-Nitrosodiphenylamine	0.052	U
120-12-7	Anthracene	0.052	U	87-86-5	Pentachlorophenol	0.068	U
1912-24-9	Atrazine	0.052	U	85-01-8	Phenanthrene	0.052	U
100-52-7	Benzaldehyde	0.052	U	108-95-2	Phenol	0.052	U
56-55-3	**Benzo[a]anthracene**	**0.052**	**0.064**	**129-00-0**	Pyrene	**0.052**	**0.13**
50-32-8	**Benzo[a]pyrene**	**0.052**	**0.079**				

Worksheet #: 380868

Total Target Concentration 0.76

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-003
Client Id: SD-1
Data File: 7M76348.D
Analysis Date: 04/19/16 16:48
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 64
Method: EPA 8270D

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	4.07	1.0 JB
2	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.37	27 JAB
3		unknown	5.07	0.30 JB
4	629-62-9	Pentadecane	11.91	0.30 J
5		unknown	12.58	0.27 J
6	295-65-8	Cyclohexadecane	12.74	0.44 J
7	78661-23-1	10a.beta.-Hydroxymethyl-7-methoxy-3,3	13.53	1.4 J
8	54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	13.88	0.34 J
9	544-76-3	Hexadecane	14.24	0.73 J
10		unknown	14.82	0.57 J
11	7616-22-0	.gamma.-Tocopherol	14.93	0.29 J
12	630-06-8	Hexatriacontane	15.05	0.65 J
13	59-02-9	Vitamin E	15.29	0.90 J
14		unknown	15.65	0.63 J
15	124-25-4	Tetradecanal	15.78	0.46 J
16		unknown	15.82	0.25 J
17		unknown	15.98	0.44 J
18		unknown	16.12	0.51 J
19	83-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	16.47	3.3 J
20		unknown	16.57	0.32 J

Worksheet #: 380868

Total Tentatively Identified Concentration 40

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-004
Client Id: SW-2
Data File: 9M70524.D
Analysis Date: 04/19/16 20:43
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.0	U	205-99-2	Benzo[b]fluoranthene	2.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	191-24-2	Benzo[g,h,i]perylene	2.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
120-83-2	2,4-Dichlorophenol	0.50	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
105-67-9	2,4-Dimethylphenol	0.50	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	85-68-7	Butylbenzylphthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	105-60-2	Caprolactam	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	0.50	U
95-48-7	2-Methylphenol	0.50	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	0.50	U
106-44-5	3&4-Methylphenol	0.50	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	2.0	U
106-47-8	4-Chloroaniline	0.50	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	0.50	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
98-86-2	Acetophenone	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
120-12-7	Anthracene	2.0	U	87-86-5	Pentachlorophenol	10	U
1912-24-9	Atrazine	2.0	U	85-01-8	Phenanthrene	2.0	U
100-52-7	Benzaldehyde	2.0	U	108-95-2	Phenol	2.0	U
56-55-3	Benzo[a]anthracene	2.0	U	129-00-0	Pyrene	2.0	U
50-32-8	Benzo[a]pyrene	2.0	U				

Worksheet #: 380870

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-004
Client Id: SW-2
Data File: 9M70524.D
Analysis Date: 04/19/16 20:43
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.56	12 JB

Worksheet #: 380870

Total Tentatively Identified Concentration 12

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-005
Client Id: SD-2
Data File: 7M76349.D
Analysis Date: 04/19/16 17:11
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 17

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.20	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.20**	**0.35**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.20	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.20**	**0.24**
58-90-2	2,3,4,6-Tetrachlorophenol	0.20	U	207-08-9	Benzo[k]fluoranthene	0.20	U
95-95-4	2,4,5-Trichlorophenol	0.20	U	111-91-1	bis(2-Chloroethoxy)methan	0.20	U
88-06-2	2,4,6-Trichlorophenol	0.20	U	111-44-4	bis(2-Chloroethyl)ether	0.049	U
120-83-2	2,4-Dichlorophenol	0.049	U	108-60-1	bis(2-chloroisopropyl)ether	0.20	U
105-67-9	2,4-Dimethylphenol	0.049	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.20	U
51-28-5	2,4-Dinitrophenol	0.98	U	85-68-7	Butylbenzylphthalate	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U	105-60-2	Caprolactam	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U	86-74-8	Carbazole	0.20	U
91-58-7	2-Chloronaphthalene	0.20	U	**218-01-9**	**Chrysene**	**0.20**	**0.24**
95-57-8	2-Chlorophenol	0.20	U	53-70-3	Dibenzo[a,h]anthracene	0.20	U
91-57-6	2-Methylnaphthalene	0.20	U	132-64-9	Dibenzofuran	0.049	U
95-48-7	2-Methylphenol	0.049	U	84-66-2	Diethylphthalate	0.20	U
88-74-4	2-Nitroaniline	0.20	U	131-11-3	Dimethylphthalate	0.20	U
88-75-5	2-Nitrophenol	0.20	U	84-74-2	Di-n-butylphthalate	0.049	U
106-44-5	3&4-Methylphenol	0.049	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.20	U	**206-44-0**	**Fluoranthene**	**0.20**	**0.34**
99-09-2	3-Nitroaniline	0.20	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.98	U	118-74-1	Hexachlorobenzene	0.20	U
101-55-3	4-Bromophenyl-phenylether	0.20	U	87-68-3	Hexachlorobutadiene	0.20	U
59-50-7	4-Chloro-3-methylphenol	0.20	U	77-47-4	Hexachlorocyclopentadiene	0.38	U
106-47-8	4-Chloroaniline	0.049	U	67-72-1	Hexachloroethane	0.20	U
7005-72-3	4-Chlorophenyl-phenylether	0.20	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.20**	**0.21**
100-01-6	4-Nitroaniline	0.20	U	78-59-1	Isophorone	0.20	U
100-02-7	4-Nitrophenol	0.20	U	91-20-3	Naphthalene	0.049	U
83-32-9	Acenaphthene	0.20	U	98-95-3	Nitrobenzene	0.20	U
208-96-8	Acenaphthylene	0.20	U	621-64-7	N-Nitroso-di-n-propylamine	0.049	U
98-86-2	Acetophenone	0.20	U	86-30-6	n-Nitrosodiphenylamine	0.20	U
120-12-7	Anthracene	0.20	U	87-86-5	Pentachlorophenol	0.26	U
1912-24-9	Atrazine	0.20	U	85-01-8	Phenanthrene	0.20	U
100-52-7	Benzaldehyde	0.20	U	108-95-2	Phenol	0.20	U
56-55-3	Benzo[a]anthracene	0.20	U	**129-00-0**	**Pyrene**	**0.20**	**0.48**
50-32-8	**Benzo[a]pyrene**	**0.20**	**0.22**				

Worksheet #: 381257

Total Target Concentration 2.1

ColumnID: (') Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-005
Client Id: SD-2
Data File: 7M76349.D
Analysis Date: 04/19/16 17:11
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 17
Method: EPA 8270D

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.37	83 JAB
2	2091-29-4	9-Hexadecenoic acid	10.32	5.1 J
3	57-10-3	Hexadecanoic acid	10.40	5.3 J
4	1058-61-3	Stigmast-4-en-3-one	12.26	5.8 J
5	629-62-9	Pentadecane	12.74	5.3 J
6	593-45-3	Octadecane	13.51	19 J
7	57684-12-5	PODOCARP-13-ENE-12-ONE	13.72	6.1 J
8	638-66-4	Octadecanal	14.03	4.0 J
9		unknown	14.24	18 J
10	57951-54-9	Hexacosanolide	14.26	5.4 J
11	124-25-4	Tetradecanal	14.81	4.8 J
12	646-31-1	Tetracosane	15.04	5.0 J
13	27519-02-4	9-Tricosene, (Z)-	15.09	4.4 J
14	1192-22-9	Oxirane, 3-ethyl-2,2-dimethyl-	15.15	3.8 J
15	59-02-9	Vitamin E	15.28	11 J
16	57-88-5	Cholest-5-en-3-ol (3.beta.)-	15.39	8.2 J
17	83-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	15.61	4.3 J
18	56554-87-1	16-Octadecenal	15.77	3.6 J
19		unknown	15.97	4.0 J
20		unknown	16.47	39 J

Worksheet #: 381257

Total Tentatively Identified Concentration 250

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-006
Client Id: SW-3
Data File: 9M70525.D
Analysis Date: 04/19/16 21:06
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.1	U	205-99-2	Benzo[b]fluoranthene	2.1	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	191-24-2	Benzo[g,h,i]perylene	2.1	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.1	U	207-08-9	Benzo[k]fluoranthene	2.1	U
95-95-4	2,4,5-Trichlorophenol	2.1	U	111-91-1	bis(2-Chloroethoxy)methan	2.1	U
88-06-2	2,4,6-Trichlorophenol	2.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
120-83-2	2,4-Dichlorophenol	0.53	U	108-60-1	bis(2-chloroisopropyl)ether	2.1	U
105-67-9	2,4-Dimethylphenol	0.53	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.1	U
51-28-5	2,4-Dinitrophenol	11	U	85-68-7	Butylbenzylphthalate	2.1	U
121-14-2	2,4-Dinitrotoluene	2.1	U	105-60-2	Caprolactam	2.1	U
606-20-2	2,6-Dinitrotoluene	2.1	U	86-74-8	Carbazole	2.1	U
91-58-7	2-Chloronaphthalene	2.1	U	218-01-9	Chrysene	2.1	U
95-57-8	2-Chlorophenol	2.1	U	53-70-3	Dibenzo[a,h]anthracene	2.1	U
91-57-6	2-Methylnaphthalene	2.1	U	132-64-9	Dibenzofuran	0.53	U
95-48-7	2-Methylphenol	0.53	U	84-66-2	Diethylphthalate	2.1	U
88-74-4	2-Nitroaniline	2.1	U	131-11-3	Dimethylphthalate	2.1	U
88-75-5	2-Nitrophenol	2.1	U	84-74-2	Di-n-butylphthalate	0.53	U
106-44-5	3&4-Methylphenol	0.53	U	117-84-0	Di-n-octylphthalate	2.1	U
91-94-1	3,3'-Dichlorobenzidine	2.1	U	206-44-0	Fluoranthene	2.1	U
99-09-2	3-Nitroaniline	2.1	U	86-73-7	Fluorene	2.1	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U	118-74-1	Hexachlorobenzene	2.1	U
101-55-3	4-Bromophenyl-phenylether	2.1	U	87-68-3	Hexachlorobutadiene	2.1	U
59-50-7	4-Chloro-3-methylphenol	2.1	U	77-47-4	Hexachlorocyclopentadiene	2.1	U
106-47-8	4-Chloroaniline	0.53	U	67-72-1	Hexachloroethane	2.1	U
7005-72-3	4-Chlorophenyl-phenylether	2.1	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.1	U
100-01-6	4-Nitroaniline	2.1	U	78-59-1	Isophorone	2.1	U
100-02-7	4-Nitrophenol	2.1	U	91-20-3	Naphthalene	0.53	U
83-32-9	Acenaphthene	2.1	U	98-95-3	Nitrobenzene	2.1	U
208-96-8	Acenaphthylene	2.1	U	621-64-7	N-Nitroso-di-n-propylamine	0.53	U
98-86-2	Acetophenone	2.1	U	86-30-6	n-Nitrosodiphenylamine	2.1	U
120-12-7	Anthracene	2.1	U	87-86-5	Pentachlorophenol	11	U
1912-24-9	Atrazine	2.1	U	85-01-8	Phenanthrene	2.1	U
100-52-7	Benzaldehyde	2.1	U	108-95-2	Phenol	2.1	U
56-55-3	Benzo[a]anthracene	2.1	U	129-00-0	Pyrene	2.1	U
50-32-8	Benzo[a]pyrene	2.1	U				

Worksheet #: 380870 *Total Target Concentration* 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-006
Client Id: SW-3
Data File: 9M70525.D
Analysis Date: 04/19/16 21:06
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.57	12 JB

Worksheet #: 380870

Total Tentatively Identified Concentration 12

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-007
Client Id: SD-3
Data File: 7M76350.D
Analysis Date: 04/19/16 17:34
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 40

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.083	U	205-99-2	Benzo[b]fluoranthene	0.083	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.083	U	191-24-2	Benzo[g,h,i]perylene	0.083	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.083	U	207-08-9	Benzo[k]fluoranthene	0.083	U
95-95-4	2,4,5-Trichlorophenol	0.083	U	111-91-1	bis(2-Chloroethoxy)methan	0.083	U
88-06-2	2,4,6-Trichlorophenol	0.083	U	111-44-4	bis(2-Chloroethyl)ether	0.021	U
120-83-2	2,4-Dichlorophenol	0.021	U	108-60-1	bis(2-chloroisopropyl)ether	0.083	U
105-67-9	2,4-Dimethylphenol	0.021	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.083	U
51-28-5	2,4-Dinitrophenol	0.42	U	85-68-7	Butylbenzylphthalate	0.083	U
121-14-2	2,4-Dinitrotoluene	0.083	U	105-60-2	Caprolactam	0.083	U
606-20-2	2,6-Dinitrotoluene	0.083	U	86-74-8	Carbazole	0.083	U
91-58-7	2-Chloronaphthalene	0.083	U	218-01-9	Chrysene	0.083	U
95-57-8	2-Chlorophenol	0.083	U	53-70-3	Dibenzo[a,h]anthracene	0.083	U
91-57-6	2-Methylnaphthalene	0.083	U	132-64-9	Dibenzofuran	0.021	U
95-48-7	2-Methylphenol	0.021	U	84-66-2	Diethylphthalate	0.083	U
88-74-4	2-Nitroaniline	0.083	U	131-11-3	Dimethylphthalate	0.083	U
88-75-5	2-Nitrophenol	0.083	U	84-74-2	Di-n-butylphthalate	0.021	U
106-44-5	3&4-Methylphenol	0.021	U	117-84-0	Di-n-octylphthalate	0.083	U
91-94-1	3,3'-Dichlorobenzidine	0.083	U	206-44-0	Fluoranthene	0.083	U
99-09-2	3-Nitroaniline	0.083	U	86-73-7	Fluorene	0.083	U
534-52-1	4,6-Dinitro-2-methylphenol	0.42	U	118-74-1	Hexachlorobenzene	0.083	U
101-55-3	4-Bromophenyl-phenylether	0.083	U	87-68-3	Hexachlorobutadiene	0.083	U
59-50-7	4-Chloro-3-methylphenol	0.083	U	77-47-4	Hexachlorocyclopentadiene	0.16	U
106-47-8	4-Chloroaniline	0.021	U	67-72-1	Hexachloroethane	0.083	U
7005-72-3	4-Chlorophenyl-phenylether	0.083	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.083	U
100-01-6	4-Nitroaniline	0.083	U	78-59-1	Isophorone	0.083	U
100-02-7	4-Nitrophenol	0.083	U	91-20-3	Naphthalene	0.021	U
83-32-9	Acenaphthene	0.083	U	98-95-3	Nitrobenzene	0.083	U
208-96-8	Acenaphthylene	0.083	U	621-64-7	N-Nitroso-di-n-propylamine	0.021	U
98-86-2	Acetophenone	0.083	U	86-30-6	n-Nitrosodiphenylamine	0.083	U
120-12-7	Anthracene	0.083	U	87-86-5	Pentachlorophenol	0.11	U
1912-24-9	Atrazine	0.083	U	85-01-8	Phenanthrene	0.083	U
100-52-7	Benzaldehyde	0.083	U	108-95-2	Phenol	0.083	U
56-55-3	Benzo[a]anthracene	0.083	U	**129-00-0**	**Pyrene**	**0.083**	**0.086**
50-32-8	Benzo[a]pyrene	0.083	U				

Worksheet #: 380868

Total Target Concentration 0.086

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-007
Client Id: SD-3
Data File: 7M76350.D
Analysis Date: 04/19/16 17:34
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 40
Method: EPA 8270D

Units: mg/Kg

	Cas #	Compound	RT	Conc
1		unknown	4.07	1.8 JB
2	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.37	45 JAB
3	57-10-3	Hexadecanoic acid	10.40	1.6 J
4		unknown	11.54	1.0 J
5		unknown	12.17	1.1 J
6	1058-61-3	(24R)-4-STIGMASTEN-3-ONE	12.23	3.9 J
7	2136-71-2	Ethanol, 2-(hexadecyloxy)-	12.74	1.8 J
8	638-67-5	Tricosane	13.51	8.3 J
9	85544-99-6	Ethynyl (1R*,2R*,5S*)-5,8,8-trimethylbic	13.71	2.0 J
10	19047-85-9	Phosphonic acid, dioctadecyl ester	13.86	0.93 J
11	56554-86-0	17-Octadecenal	14.03	1.5 J
12	112-95-8	Eicosane	14.24	3.2 J
13	297-03-0	Cyclotetracosane	14.26	2.0 J
14	124-25-4	Tetradecanal	14.81	1.1 J
15	629-97-0	Docosane	15.04	1.2 J
16	2004-39-9	1-Heptacosanol	15.09	1.4 J
17		unknown	15.15	1.2 J
18	59-02-9	Vitamin E	15.27	2.0 J
19	112-88-9	1-Octadecene	16.13	1.8 J
20	83-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	16.45	10 J

Worksheet #: 380868

Total Tentatively Identified Concentration 93

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-008
Client Id: SW-4
Data File: 9M70526.D
Analysis Date: 04/19/16 21:29
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.1	U	205-99-2	Benzo[b]fluoranthene	2.1	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	191-24-2	Benzo[g,h,i]perylene	2.1	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.1	U	207-08-9	Benzo[k]fluoranthene	2.1	U
95-95-4	2,4,5-Trichlorophenol	2.1	U	111-91-1	bis(2-Chloroethoxy)methan	2.1	U
88-06-2	2,4,6-Trichlorophenol	2.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
120-83-2	2,4-Dichlorophenol	0.53	U	108-60-1	bis(2-chloroisopropyl)ether	2.1	U
105-67-9	2,4-Dimethylphenol	0.53	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.1	U
51-28-5	2,4-Dinitrophenol	11	U	85-68-7	Butylbenzylphthalate	2.1	U
121-14-2	2,4-Dinitrotoluene	2.1	U	105-60-2	Caprolactam	2.1	U
606-20-2	2,6-Dinitrotoluene	2.1	U	86-74-8	Carbazole	2.1	U
91-58-7	2-Chloronaphthalene	2.1	U	218-01-9	Chrysene	2.1	U
95-57-8	2-Chlorophenol	2.1	U	53-70-3	Dibenzo[a,h]anthracene	2.1	U
91-57-6	2-Methylnaphthalene	2.1	U	132-64-9	Dibenzofuran	0.53	U
95-48-7	2-Methylphenol	0.53	U	84-66-2	Diethylphthalate	2.1	U
88-74-4	2-Nitroaniline	2.1	U	131-11-3	Dimethylphthalate	2.1	U
88-75-5	2-Nitrophenol	2.1	U	84-74-2	Di-n-butylphthalate	0.53	U
106-44-5	3&4-Methylphenol	0.53	U	117-84-0	Di-n-octylphthalate	2.1	U
91-94-1	3,3'-Dichlorobenzidine	2.1	U	206-44-0	Fluoranthene	2.1	U
99-09-2	3-Nitroaniline	2.1	U	86-73-7	Fluorene	2.1	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U	118-74-1	Hexachlorobenzene	2.1	U
101-55-3	4-Bromophenyl-phenylether	2.1	U	87-68-3	Hexachlorobutadiene	2.1	U
59-50-7	4-Chloro-3-methylphenol	2.1	U	77-47-4	Hexachlorocyclopentadiene	2.1	U
106-47-8	4-Chloroaniline	0.53	U	67-72-1	Hexachloroethane	2.1	U
7005-72-3	4-Chlorophenyl-phenylether	2.1	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.1	U
100-01-6	4-Nitroaniline	2.1	U	78-59-1	Isophorone	2.1	U
100-02-7	4-Nitrophenol	2.1	U	91-20-3	Naphthalene	0.53	U
83-32-9	Acenaphthene	2.1	U	98-95-3	Nitrobenzene	2.1	U
208-96-8	Acenaphthylene	2.1	U	621-64-7	N-Nitroso-di-n-propylamine	0.53	U
98-86-2	Acetophenone	2.1	U	86-30-6	n-Nitrosodiphenylamine	2.1	U
120-12-7	Anthracene	2.1	U	87-86-5	Pentachlorophenol	11	U
1912-24-9	Atrazine	2.1	U	85-01-8	Phenanthrene	2.1	U
100-52-7	Benzaldehyde	2.1	U	108-95-2	Phenol	2.1	U
56-55-3	Benzo[a]anthracene	2.1	U	129-00-0	Pyrene	2.1	U
50-32-8	Benzo[a]pyrene	2.1	U				

Worksheet #: 380870

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-008
Client Id: SW-4
Data File: 9M70526.D
Analysis Date: 04/19/16 21:29
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.56	11 JB

Worksheet #: 380870

Total Tentatively Identified Concentration 11

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-009
Client Id: SD-4
Data File: 7M76351.D
Analysis Date: 04/19/16 17:57
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270D
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 67

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.050	U	205-99-2	Benzo[b]fluoranthene	0.050	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.050	U	191-24-2	Benzo[g,h,i]perylene	0.050	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.050	U	207-08-9	Benzo[k]fluoranthene	0.050	U
95-95-4	2,4,5-Trichlorophenol	0.050	U	111-91-1	bis(2-Chloroethoxy)methan	0.050	U
88-06-2	2,4,6-Trichlorophenol	0.050	U	111-44-4	bis(2-Chloroethyl)ether	0.012	U
120-83-2	2,4-Dichlorophenol	0.012	U	108-60-1	bis(2-chloroisopropyl)ether	0.050	U
105-67-9	2,4-Dimethylphenol	0.012	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.050	U
51-28-5	2,4-Dinitrophenol	0.25	U	85-68-7	Butylbenzylphthalate	0.050	U
121-14-2	2,4-Dinitrotoluene	0.050	U	105-60-2	Caprolactam	0.050	U
606-20-2	2,6-Dinitrotoluene	0.050	U	86-74-8	Carbazole	0.050	U
91-58-7	2-Chloronaphthalene	0.050	U	218-01-9	Chrysene	0.050	U
95-57-8	2-Chlorophenol	0.050	U	53-70-3	Dibenzo[a,h]anthracene	0.050	U
91-57-6	2-Methylnaphthalene	0.050	U	132-64-9	Dibenzofuran	0.012	U
95-48-7	2-Methylphenol	0.012	U	84-66-2	Diethylphthalate	0.050	U
88-74-4	2-Nitroaniline	0.050	U	131-11-3	Dimethylphthalate	0.050	U
88-75-5	2-Nitrophenol	0.050	U	84-74-2	Di-n-butylphthalate	0.012	U
106-44-5	3&4-Methylphenol	0.012	U	117-84-0	Di-n-octylphthalate	0.050	U
91-94-1	3,3'-Dichlorobenzidine	0.050	U	206-44-0	Fluoranthene	0.050	U
99-09-2	3-Nitroaniline	0.050	U	86-73-7	Fluorene	0.050	U
534-52-1	4,6-Dinitro-2-methylphenol	0.25	U	118-74-1	Hexachlorobenzene	0.050	U
101-55-3	4-Bromophenyl-phenylether	0.050	U	87-68-3	Hexachlorobutadiene	0.050	U
59-50-7	4-Chloro-3-methylphenol	0.050	U	77-47-4	Hexachlorocyclopentadiene	0.098	U
106-47-8	4-Chloroaniline	0.012	U	67-72-1	Hexachloroethane	0.050	U
7005-72-3	4-Chlorophenyl-phenylether	0.050	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.050	U
100-01-6	4-Nitroaniline	0.050	U	78-59-1	Isophorone	0.050	U
100-02-7	4-Nitrophenol	0.050	U	91-20-3	Naphthalene	0.012	U
83-32-9	Acenaphthene	0.050	U	98-95-3	Nitrobenzene	0.050	U
208-96-8	Acenaphthylene	0.050	U	621-64-7	N-Nitroso-di-n-propylamine	0.012	U
98-86-2	Acetophenone	0.050	U	86-30-6	n-Nitrosodiphenylamine	0.050	U
120-12-7	Anthracene	0.050	U	87-86-5	Pentachlorophenol	0.065	U
1912-24-9	Atrazine	0.050	U	85-01-8	Phenanthrene	0.050	U
100-52-7	Benzaldehyde	0.050	U	108-95-2	Phenol	0.050	U
56-55-3	Benzo[a]anthracene	0.050	U	129-00-0	Pyrene	0.050	U
50-32-8	Benzo[a]pyrene	0.050	U				

Worksheet #: 380868

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-009
Client Id: SD-4
Data File: 7M76351.D
Analysis Date: 04/19/16 17:57
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 67
Method: EPA 8270D

Units: mg/Kg

	Cas #	Compound	RT	Conc
1	57-55-6	1,2-Propanediol	3.08	0.48 J
2		unknown	4.07	0.85 JB
3	123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.36	24 JAB
4	57-10-3	Hexadecanoic acid	10.39	0.44 J
5	1058-61-3	(24R)-4-STIGMASTEN-3-ONE	12.25	3.1 J
6	38043-98-0	.ALPHA.-BISABOLOLONE	12.74	0.35 J
7		unknown	12.90	0.37 J
8	629-78-7	Heptadecane	13.51	3.9 J
9	559-74-0	D:A-Friedooleanan-3-one	13.70	1.1 J
10	77899-10-6	(Z)14-TRICOSENYL FORMATE	14.03	0.28 J
11	629-94-7	Heneicosane	14.24	1.0 J
12	297-03-0	Cyclotetracosane	14.26	0.36 J
13		unknown	14.81	0.37 J
14	593-45-3	Octadecane	15.04	0.35 J
15	59-02-9	Vitamin E	15.27	0.46 J
16	57-88-5	Cholest-5-en-3-ol (3.beta.)-	15.39	0.43 J
17		unknown	15.77	0.28 J
18		unknown	15.95	0.29 J
19		unknown	16.06	0.72 J
20	83-47-6	Stigmast-5-en-3-ol, (3.beta.,24S)-	16.45	3.8 J

Worksheet #: 380868

Total Tentatively Identified Concentration 43

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AC90749-011
Client Id: FB-20160413
Data File: 9M70527.D
Analysis Date: 04/19/16 21:52
Date Rec/Extracted: 04/14/16-04/19/16
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.1	U	205-99-2	Benzo[b]fluoranthene	2.1	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	191-24-2	Benzo[g,h,i]perylene	2.1	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.1	U	207-08-9	Benzo[k]fluoranthene	2.1	U
95-95-4	2,4,5-Trichlorophenol	2.1	U	111-91-1	bis(2-Chloroethoxy)methan	2.1	U
88-06-2	2,4,6-Trichlorophenol	2.1	U	111-44-4	bis(2-Chloroethyl)ether	0.53	U
120-83-2	2,4-Dichlorophenol	0.53	U	108-60-1	bis(2-chloroisopropyl)ether	2.1	U
105-67-9	2,4-Dimethylphenol	0.53	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.1	U
51-28-5	2,4-Dinitrophenol	11	U	85-68-7	Butylbenzylphthalate	2.1	U
121-14-2	2,4-Dinitrotoluene	2.1	U	105-60-2	Caprolactam	2.1	U
606-20-2	2,6-Dinitrotoluene	2.1	U	86-74-8	Carbazole	2.1	U
91-58-7	2-Chloronaphthalene	2.1	U	218-01-9	Chrysene	2.1	U
95-57-8	2-Chlorophenol	2.1	U	53-70-3	Dibenzo[a,h]anthracene	2.1	U
91-57-6	2-Methylnaphthalene	2.1	U	132-64-9	Dibenzofuran	0.53	U
95-48-7	2-Methylphenol	0.53	U	84-66-2	Diethylphthalate	2.1	U
88-74-4	2-Nitroaniline	2.1	U	131-11-3	Dimethylphthalate	2.1	U
88-75-5	2-Nitrophenol	2.1	U	84-74-2	Di-n-butylphthalate	0.53	U
106-44-5	3&4-Methylphenol	0.53	U	117-84-0	Di-n-octylphthalate	2.1	U
91-94-1	3,3'-Dichlorobenzidine	2.1	U	206-44-0	Fluoranthene	2.1	U
99-09-2	3-Nitroaniline	2.1	U	86-73-7	Fluorene	2.1	U
534-52-1	4,6-Dinitro-2-methylphenol	11	U	118-74-1	Hexachlorobenzene	2.1	U
101-55-3	4-Bromophenyl-phenylether	2.1	U	87-68-3	Hexachlorobutadiene	2.1	U
59-50-7	4-Chloro-3-methylphenol	2.1	U	77-47-4	Hexachlorocyclopentadiene	2.1	U
106-47-8	4-Chloroaniline	0.53	U	67-72-1	Hexachloroethane	2.1	U
7005-72-3	4-Chlorophenyl-phenylether	2.1	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.1	U
100-01-6	4-Nitroaniline	2.1	U	78-59-1	Isophorone	2.1	U
100-02-7	4-Nitrophenol	2.1	U	91-20-3	Naphthalene	0.53	U
83-32-9	Acenaphthene	2.1	U	98-95-3	Nitrobenzene	2.1	U
208-96-8	Acenaphthylene	2.1	U	621-64-7	N-Nitroso-di-n-propylamine	0.53	U
98-86-2	Acetophenone	2.1	U	86-30-6	n-Nitrosodiphenylamine	2.1	U
120-12-7	Anthracene	2.1	U	87-86-5	Pentachlorophenol	11	U
1912-24-9	Atrazine	2.1	U	85-01-8	Phenanthrene	2.1	U
100-52-7	Benzaldehyde	2.1	U	108-95-2	Phenol	2.1	U
56-55-3	Benzo[a]anthracene	2.1	U	129-00-0	Pyrene	2.1	U
50-32-8	Benzo[a]pyrene	2.1	U				

Worksheet #: 380870

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC90749-011
Client Id: FB-20160413
Data File: 9M70527.D
Analysis Date: 04/19/16 21:52
Date Rec/Extracted: 04/14/16-04/19/16

Matrix: Aqueous
Initial Vol: 950ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.56	11 JB

Worksheet #: 380870

Total Tentatively Identified Concentration 11

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form3
Recovery Data
QC Batch: SMB49884

Data File	Sample ID:	Analysis Date
Spike or Dup: 9M70509.D	SMB49884(MS)	4/19/2016 3:00:00 PM
Non Spike(If applicable):		
Inst Blank(If applicable):		

Method: 8270D | Matrix: Soil | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	28.0737	0	50	56	20	160
N-Nitrosodimethylamine	1	35.1671	0	50	70	20	160
Benzaldehyde	1	33.7742	0	50	68	20	160
Aniline	1	27.444	0	50	55	20	160
Pentachloroethane	1	33.2078	0	50	66	20	160
bis(2-Chloroethyl)ether	1	36.7744	0	50	74	70	130
Phenol	1	56.3978	0	100	56	20	160
2-Chlorophenol	1	65.5372	0	100	66*	70	130
N-Decane	1	26.9627	0	50	54	20	160
1,3-Dichlorobenzene	1	34.251	0	50	69*	70	130
1,4-Dichlorobenzene	1	35.4613	0	50	71	70	130
1,2-Dichlorobenzene	1	34.2597	0	50	69*	70	130
Benzyl alcohol	1	36.2833	0	50	73	20	160
bis(2-chloroisopropyl)ether	1	27.0699	0	50	54*	70	130
2-Methylphenol	1	61.4584	0	100	61*	70	130
Acetophenone	1	31.498	0	50	63*	70	130
Hexachloroethane	1	34.5608	0	50	69	20	160
N-Nitroso-di-n-propylamine	1	29.6237	0	50	59*	70	130
3&4-Methylphenol	1	62.0362	0	100	62	20	160
Nitrobenzene	1	40.6975	0	50	81	70	130
Isophorone	1	29.4553	0	50	59*	70	130
2-Nitrophenol	1	76.1373	0	100	76	70	130
2,4-Dimethylphenol	1	66.1413	0	100	66*	70	130
Benzoic Acid	1	68.117	0	100	68	20	160
bis(2-Chloroethoxy)methane	1	38.6958	0	50	77	70	130
2,4-Dichlorophenol	1	71.8865	0	100	72	70	130
1,2,4-Trichlorobenzene	1	37.8093	0	50	76	70	130
Naphthalene	1	36.7358	0	50	73	70	130
4-Chloroaniline	1	20.3281	0	50	41*	70	130
Hexachlorobutadiene	1	38.5822	0	50	77	70	130
Caprolactam	1	30.9388	0	50	62	20	160
4-Chloro-3-methylphenol	1	72.9083	0	100	73	70	130
2-Methylnaphthalene	1	37.5635	0	50	75	70	130
1,1'-Biphenyl	1	35.213	0	50	70	70	130
1,2,4,5-Tetrachlorobenzene	1	35.8963	0	50	72	70	130
Hexachlorocyclopentadiene	1	42.6108	0	50	85	20	160
2,4,6-Trichlorophenol	1	75.3978	0	100	75	70	130
2,4,5-Trichlorophenol	1	80.9471	0	100	81	70	130
2-Chloronaphthalene	1	40.4007	0	50	81	70	130
1,4-Dimethylnaphthalene	1	36.1595	0	50	72	70	130
Diphenyl Ether	1	35.9398	0	50	72	70	130
2-Nitroaniline	1	39.0056	0	50	78	70	130
Coumarin	1	35.93	0	50	72	70	130
Acenaphthylene	1	44.2639	0	50	89	70	130
Dimethylphthalate	1	43.8059	0	50	88	70	130
2,6-Dinitrotoluene	1	46.1538	0	50	92	70	130
Acenaphthene	1	39.9689	0	50	80	70	130
3-Nitroaniline	1	27.6608	0	50	55*	70	130
2,4-Dinitrophenol	1	87.3322	0	100	87	20	160
Dibenzofuran	1	40.3712	0	50	81	70	130
2,4-Dinitrotoluene	1	41.356	0	50	83	70	130
4-Nitrophenol	1	2.2386	0	100	2.2*	20	160
2,3,4,6-Tetrachlorophenol	1	72.6532	0	100	73	70	130
Fluorene	1	39.6099	0	50	79	70	130
4-Chlorophenyl-phenylether	1	41.4877	0	50	83	70	130
Diethylphthalate	1	40.0531	0	50	80	70	130
4-Nitroaniline	1	35.436	0	50	71	70	130
Atrazine	1	33.1006	0	50	66*	70	130
4,6-Dinitro-2-methylphenol	1	98.2872	0	100	98	70	130
n-Nitrosodiphenylamine	1	33.513	0	50	67*	70	130
1,2-Diphenylhydrazine	1	43.0027	0	50	86	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB49884

4-Bromophenyl-phenylether	1	49.7372	0	50	99	70	130
Hexachlorobenzene	1	44.4186	0	50	89	70	130
N-Octadecane	1	42.7093	0	50	85	70	130
Pentachlorophenol	1	79.4001	0	100	79	20	160
Phenanthrene	1	40.8313	0	50	82	70	130
Anthracene	1	42.0639	0	50	84	70	130
Carbazole	1	36.5061	0	50	73	70	130
Di-n-butylphthalate	1	47.6216	0	50	95	70	130
Fluoranthene	1	40.6559	0	50	81	70	130
Pyrene	1	48.8426	0	50	98	70	130
Benzidine	1	3.5429	0	50	7.1*	20	160
Butylbenzylphthalate	1	49.5357	0	50	99	70	130
3,3'-Dichlorobenzidine	1	26.5145	0	50	53*	70	130
Benzo[a]anthracene	1	42.9175	0	50	86	70	130
Chrysene	1	44.0456	0	50	88	70	130
bis(2-Ethylhexyl)phthalate	1	50.2513	0	50	101	70	130
Di-n-octylphthalate	1	48.0802	0	50	96	70	130
Benzo[b]fluoranthene	1	47.5375	0	50	95	70	130
Benzo[k]fluoranthene	1	44.443	0	50	89	70	130
Benzo[a]pyrene	1	43.5698	0	50	87	70	130
Indeno[1,2,3-cd]pyrene	1	40.7381	0	50	81	70	130
Dibenzo[a,h]anthracene	1	40.6554	0	50	81	70	130
Benzo[g,h,i]perylene	1	38.2556	0	50	77	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB49884

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M70511.D	AC90773-004(MS)	4/19/2016 3:46:00 PM
Non Spike(If applicable):	9M70510.D	AC90773-004	4/19/2016 3:23:00 PM
Inst Blank(If applicable):			

Method: 8270D | Matrix: Soil | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	28.9462	0	50	58	20	160
N-Nitrosodimethylamine	1	32.1943	0	50	64	20	160
Benzaldehyde	1	42.4718	0	50	85	20	160
Aniline	1	23.7546	0	50	48	20	160
Pentachloroethane	1	33.7218	0	50	67	20	160
bis(2-Chloroethyl)ether	1	34.2195	0	50	68*	70	130
Phenol	1	54.0863	0	100	54	20	160
2-Chlorophenol	1	62.1058	0	100	62*	70	130
N-Decane	1	28.6582	0	50	57	20	160
1,3-Dichlorobenzene	1	32.5485	0	50	65*	70	130
1,4-Dichlorobenzene	1	34.0253	0	50	68*	70	130
1,2-Dichlorobenzene	1	32.5215	0	50	65*	70	130
Benzyl alcohol	1	32.5737	0	50	65	20	160
bis(2-chloroisopropyl)ether	1	25.5344	0	50	51*	70	130
2-Methylphenol	1	58.2478	0	100	58*	70	130
Acetophenone	1	32.0056	0	50	64*	70	130
Hexachloroethane	1	32.4683	0	50	65	20	160
N-Nitroso-di-n-propylamine	1	27.8463	0	50	56*	70	130
3&4-Methylphenol	1	58.1642	0	100	58	20	160
Nitrobenzene	1	37.7712	0	50	76	70	130
Isophorone	1	26.7537	0	50	54*	70	130
2-Nitrophenol	1	70.7525	0	100	71	70	130
2,4-Dimethylphenol	1	62.2233	0	100	62*	70	130
Benzoic Acid	1	23.2463	0	100	23	20	160
bis(2-Chloroethoxy)methane	1	35.9283	0	50	72	70	130
2,4-Dichlorophenol	1	67.9959	0	100	68*	70	130
1,2,4-Trichlorobenzene	1	35.1642	0	50	70	70	130
Naphthalene	1	34.8209	0	50	70	70	130
4-Chloroaniline	1	21.6206	0	50	43*	70	130
Hexachlorobutadiene	1	35.4458	0	50	71	70	130
Caprolactam	1	29.7411	0	50	59	20	160
4-Chloro-3-methylphenol	1	67.4294	0	100	67*	70	130
2-Methylnaphthalene	1	35.0529	0	50	70	70	130
1,1'-Biphenyl	1	35.0928	0	50	70	70	130
1,2,4,5-Tetrachlorobenzene	1	35.1542	0	50	70	70	130
Hexachlorocyclopentadiene	1	37.2257	0	50	74	20	160
2,4,6-Trichlorophenol	1	68.3565	0	100	68*	70	130
2,4,5-Trichlorophenol	1	73.0581	0	100	73	70	130
2-Chloronaphthalene	1	36.6057	0	50	73	70	130
1,4-Dimethylnaphthalene	1	35.8431	0	50	72	70	130
Diphenyl Ether	1	35.4879	0	50	71	70	130
2-Nitroaniline	1	35.7991	0	50	72	70	130
Coumarin	1	35.54	0	50	71	70	130
Acenaphthylene	1	40.8972	0	50	82	70	130
Dimethylphthalate	1	39.8521	0	50	80	70	130
2,6-Dinitrotoluene	1	41.2355	0	50	82	70	130
Acenaphthene	1	36.8573	0	50	74	70	130
3-Nitroaniline	1	29.2767	0	50	59*	70	130
2,4-Dinitrophenol	1	57.9135	0	100	58	20	160
Dibenzofuran	1	36.6041	0	50	73	70	130
2,4-Dinitrotoluene	1	36.7484	0	50	73	70	130
4-Nitrophenol	1	0	0	100	0*	20	160
2,3,4,6-Tetrachlorophenol	1	63.7051	0	100	64*	70	130
Fluorene	1	36.7861	0	50	74	70	130
4-Chlorophenyl-phenylether	1	37.6546	0	50	75	70	130
Diethylphthalate	1	35.9896	0	50	72	70	130
4-Nitroaniline	1	32.9899	0	50	66*	70	130
Atrazine	1	32.6981	0	50	65*	70	130
4,6-Dinitro-2-methylphenol	1	78.5019	0	100	79	70	130
n-Nitrosodiphenylamine	1	29.7633	0	50	60*	70	130
1,2-Diphenylhydrazine	1	39.2452	0	50	78	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB49884

4-Bromophenyl-phenylether	1	43.5625	0	50	87	70	130
Hexachlorobenzene	1	39.1262	0	50	78	70	130
N-Octadecane	1	41.588	0	50	83	70	130
Pentachlorophenol	1	59.8666	0	100	60	20	160
Phenanthrene	1	37.3761	0	50	75	70	130
Anthracene	1	38.421	0	50	77	70	130
Carbazole	1	35.553	0	50	71	70	130
Di-n-butylphthalate	1	43.594	0	50	87	70	130
Fluoranthene	1	37.4654	0	50	75	70	130
Pyrene	1	43.6474	0	50	87	70	130
Benzidine	1	5.7759	0	50	12*	20	160
Butylbenzylphthalate	1	43.3287	0	50	87	70	130
3,3'-Dichlorobenzidine	1	27.03	0	50	54*	70	130
Benzo[a]anthracene	1	39.1971	0	50	78	70	130
Chrysene	1	38.8287	0	50	78	70	130
bis(2-Ethylhexyl)phthalate	1	45.4834	0	50	91	70	130
Di-n-octylphthalate	1	42.0445	0	50	84	70	130
Benzo[b]fluoranthene	1	43.1754	0	50	86	70	130
Benzo[k]fluoranthene	1	42.2463	0	50	84	70	130
Benzo[a]pyrene	1	40.0147	0	50	80	70	130
Indeno[1,2,3-cd]pyrene	1	40.1333	0	50	80	70	130
Dibenzo[a,h]anthracene	1	39.8637	0	50	80	70	130
Benzo[g,h,i]perylene	1	38.5252	0	50	77	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB49884

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M70512.D	AC90773-004(MSD)	4/19/2016 4:08:00 PM
Non Spike(If applicable):	9M70510.D	AC90773-004	4/19/2016 3:23:00 PM
Inst Blank(If applicable):			

Method: 8270D | Matrix: Soil | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Pyridine	1	32.882	0	50	66	20	160
N-Nitrosodimethylamine	1	34.8423	0	50	70	20	160
Benzaldehyde	1	44.5076	0	50	89	20	160
Aniline	1	24.191	0	50	48	20	160
Pentachloroethane	1	35.3862	0	50	71	20	160
bis(2-Chloroethyl)ether	1	33.728	0	50	67*	70	130
Phenol	1	51.3168	0	100	51	20	160
2-Chlorophenol	1	60.1056	0	100	60*	70	130
N-Decane	1	31.6677	0	50	63	20	160
1,3-Dichlorobenzene	1	33.3257	0	50	67*	70	130
1,4-Dichlorobenzene	1	34.4082	0	50	69*	70	130
1,2-Dichlorobenzene	1	32.8933	0	50	66*	70	130
Benzyl alcohol	1	31.6358	0	50	63	20	160
bis(2-chloroisopropyl)ether	1	24.6766	0	50	49*	70	130
2-Methylphenol	1	55.248	0	100	55*	70	130
Acetophenone	1	31.8238	0	50	64*	70	130
Hexachloroethane	1	34.0665	0	50	68	20	160
N-Nitroso-di-n-propylamine	1	26.7731	0	50	54*	70	130
3&4-Methylphenol	1	56.2066	0	100	56	20	160
Nitrobenzene	1	36.8139	0	50	74	70	130
Isophorone	1	26.2212	0	50	52*	70	130
2-Nitrophenol	1	70.2787	0	100	70	70	130
2,4-Dimethylphenol	1	59.1749	0	100	59*	70	130
Benzoic Acid	1	24.0976	0	100	24	20	160
bis(2-Chloroethoxy)methane	1	34.5851	0	50	69*	70	130
2,4-Dichlorophenol	1	65.8848	0	100	66*	70	130
1,2,4-Trichlorobenzene	1	34.287	0	50	69*	70	130
Naphthalene	1	33.1197	0	50	66*	70	130
4-Chloroaniline	1	19.5791	0	50	39*	70	130
Hexachlorobutadiene	1	35.1889	0	50	70	70	130
Caprolactam	1	29.5574	0	50	59	20	160
4-Chloro-3-methylphenol	1	64.7465	0	100	65*	70	130
2-Methylnaphthalene	1	33.4121	0	50	67*	70	130
1,1'-Biphenyl	1	34.2746	0	50	69*	70	130
1,2,4,5-Tetrachlorobenzene	1	35.5637	0	50	71	70	130
Hexachlorocyclopentadiene	1	39.6533	0	50	79	20	160
2,4,6-Trichlorophenol	1	67.3137	0	100	67*	70	130
2,4,5-Trichlorophenol	1	71.012	0	100	71	70	130
2-Chloronaphthalene	1	36.3056	0	50	73	70	130
1,4-Dimethylnaphthalene	1	36.0707	0	50	72	70	130
Diphenyl Ether	1	35.7373	0	50	71	70	130
2-Nitroaniline	1	35.6186	0	50	71	70	130
Coumarin	1	35.2948	0	50	71	70	130
Acenaphthylene	1	40.1607	0	50	80	70	130
Dimethylphthalate	1	39.3446	0	50	79	70	130
2,6-Dinitrotoluene	1	41.3676	0	50	83	70	130
Acenaphthene	1	35.8931	0	50	72	70	130
3-Nitroaniline	1	28.8022	0	50	58*	70	130
2,4-Dinitrophenol	1	49.112	0	100	49	20	160
Dibenzofuran	1	35.9357	0	50	72	70	130
2,4-Dinitrotoluene	1	36.2774	0	50	73	70	130
4-Nitrophenol	1	0	0	100	0*	20	160
2,3,4,6-Tetrachlorophenol	1	60.824	0	100	61*	70	130
Fluorene	1	35.7165	0	50	71	70	130
4-Chlorophenyl-phenylether	1	36.9522	0	50	74	70	130
Diethylphthalate	1	35.0617	0	50	70	70	130
4-Nitroaniline	1	31.2197	0	50	62*	70	130
Atrazine	1	32.4513	0	50	65*	70	130
4,6-Dinitro-2-methylphenol	1	73.9447	0	100	74	70	130
n-Nitrosodiphenylamine	1	30.0339	0	50	60*	70	130
1,2-Diphenylhydrazine	1	39.4047	0	50	79	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
Recovery Data
QC Batch: SMB49884

4-Bromophenyl-phenylether	1	44.0546	0	50	88	70	130
Hexachlorobenzene	1	39.1834	0	50	78	70	130
N-Octadecane	1	42.8732	0	50	86	70	130
Pentachlorophenol	1	54.7681	0	100	55	20	160
Phenanthrene	1	36.8525	0	50	74	70	130
Anthracene	1	37.8857	0	50	76	70	130
Carbazole	1	35.7626	0	50	72	70	130
Di-n-butylphthalate	1	42.2706	0	50	85	70	130
Fluoranthene	1	36.1183	0	50	72	70	130
Pyrene	1	44.7942	0	50	90	70	130
Benzidine	1	0	0	50	0*	20	160
Butylbenzylphthalate	1	44.6711	0	50	89	70	130
3,3'-Dichlorobenzidine	1	27.7436	0	50	55*	70	130
Benzo[a]anthracene	1	38.9118	0	50	78	70	130
Chrysene	1	38.72	0	50	77	70	130
bis(2-Ethylhexyl)phthalate	1	45.9825	0	50	92	70	130
Di-n-octylphthalate	1	44.7486	0	50	89	70	130
Benzo[b]fluoranthene	1	43.8961	0	50	88	70	130
Benzo[k]fluoranthene	1	42.6939	0	50	85	70	130
Benzo[a]pyrene	1	38.953	0	50	78	70	130
Indeno[1,2,3-cd]pyrene	1	36.4045	0	50	73	70	130
Dibenzo[a,h]anthracene	1	36.2086	0	50	72	70	130
Benzo[g,h,i]perylene	1	34.133	0	50	68*	70	130

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Form3
RPD Data
QC Batch: SMB49884

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M70512.D	AC90773-004(MSD)	4/19/2016 4:08:00 PM
Duplicate(If applicable):	9M70511.D	AC90773-004(MS)	4/19/2016 3:46:00 PM
Inst Blank(If applicable):			

Method: 8270D Matrix: Soil QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Pyridine	1	32.882	28.9462	13	30
N-Nitrosodimethylamine	1	34.8423	32.1943	7.9	30
Benzaldehyde	1	44.5076	42.4718	4.7	30
Aniline	1	24.191	23.7546	1.8	30
Pentachloroethane	1	35.3862	33.7218	4.8	30
bis(2-Chloroethyl)ether	1	33.728	34.2195	1.4	30
Phenol	1	51.3168	54.0863	5.3	30
2-Chlorophenol	1	60.1056	62.1058	3.3	30
N-Decane	1	31.6677	28.6582	10	30
1,3-Dichlorobenzene	1	33.3257	32.5485	2.4	30
1,4-Dichlorobenzene	1	34.4082	34.0253	1.1	30
1,2-Dichlorobenzene	1	32.8933	32.5215	1.1	30
Benzyl alcohol	1	31.6358	32.5737	2.9	30
bis(2-chloroisopropyl)ether	1	24.6766	25.5344	3.4	30
2-Methylphenol	1	55.248	58.2478	5.3	30
Acetophenone	1	31.8238	32.0056	0.57	30
Hexachloroethane	1	34.0665	32.4683	4.8	30
N-Nitroso-di-n-propylamine	1	26.7731	27.8463	3.9	30
3&4-Methylphenol	1	56.2066	58.1642	3.4	30
Nitrobenzene	1	36.8139	37.7712	2.6	30
Isophorone	1	26.2212	26.7537	2	30
2-Nitrophenol	1	70.2787	70.7525	0.67	30
2,4-Dimethylphenol	1	59.1749	62.2233	5	30
Benzoic Acid	1	24.0976	23.2463	3.6	30
bis(2-Chloroethoxy)methane	1	34.5851	35.9283	3.8	30
2,4-Dichlorophenol	1	65.8848	67.9959	3.2	30
1,2,4-Trichlorobenzene	1	34.287	35.1642	2.5	30
Naphthalene	1	33.1197	34.8209	5	30
4-Chloroaniline	1	19.5791	21.6206	9.9	30
Hexachlorobutadiene	1	35.1889	35.4458	0.73	30
Caprolactam	1	29.5574	29.7411	0.62	30
4-Chloro-3-methylphenol	1	64.7465	67.4294	4.1	30
2-Methylnaphthalene	1	33.4121	35.0529	4.8	30
1,1'-Biphenyl	1	34.2746	35.0928	2.4	30
1,2,4,5-Tetrachlorobenzene	1	35.5637	35.1542	1.2	30
Hexachlorocyclopentadiene	1	39.6533	37.2257	6.3	30
2,4,6-Trichlorophenol	1	67.3137	68.3565	1.5	30
2,4,5-Trichlorophenol	1	71.012	73.0581	2.8	30
2-Chloronaphthalene	1	36.3056	36.6057	0.82	30
1,4-Dimethylnaphthalene	1	36.0707	35.8431	0.63	30
Diphenyl Ether	1	35.7373	35.4879	0.7	30
2-Nitroaniline	1	35.6186	35.7991	0.51	30
Coumarin	1	35.2948	35.54	0.69	30
Acenaphthylene	1	40.1607	40.8972	1.8	30
Dimethylphthalate	1	39.3446	39.8521	1.3	30
2,6-Dinitrotoluene	1	41.3676	41.2355	0.32	30
Acenaphthene	1	35.8931	36.8573	2.7	30
3-Nitroaniline	1	28.8022	29.2767	1.6	30
2,4-Dinitrophenol	1	49.112	57.9135	16	30
Dibenzofuran	1	35.9357	36.6041	1.8	30
2,4-Dinitrotoluene	1	36.2774	36.7484	1.3	30
4-Nitrophenol	1	0	0	NA	30
2,3,4,6-Tetrachlorophenol	1	60.824	63.7051	4.6	30
Fluorene	1	35.7165	36.7861	3	30
4-Chlorophenyl-phenylether	1	36.9522	37.6546	1.9	30
Diethylphthalate	1	35.0617	35.9896	2.6	30
4-Nitroaniline	1	31.2197	32.9899	5.5	30
Atrazine	1	32.4513	32.6981	0.76	30
4,6-Dinitro-2-methylphenol	1	73.9447	78.5019	6	30
n-Nitrosodiphenylamine	1	30.0339	29.7633	0.91	30
1,2-Diphenylhydrazine	1	39.4047	39.2452	0.41	30
4-Bromophenyl-phenylether	1	44.0546	43.5625	1.1	30
Hexachlorobenzene	1	39.1834	39.1262	0.15	30

Form3
RPD Data
QC Batch: SMB49884

N-Octadecane	1	42.8732	41.588	3	30
Pentachlorophenol	1	54.7681	59.8666	8.9	30
Phenanthrene	1	36.8525	37.3761	1.4	30
Anthracene	1	37.8857	38.421	1.4	30
Carbazole	1	35.7626	35.553	0.59	30
Di-n-butylphthalate	1	42.2706	43.594	3.1	30
Fluoranthene	1	36.1183	37.4654	3.7	30
Pyrene	1	44.7942	43.6474	2.6	30
Benzidine	1	0	5.7759	200*	30
Butylbenzylphthalate	1	44.6711	43.3287	3.1	30
3,3'-Dichlorobenzidine	1	27.7436	27.03	2.6	30
Benzo[a]anthracene	1	38.9118	39.1971	0.73	30
Chrysene	1	38.72	38.8287	0.28	30
bis(2-Ethylhexyl)phthalate	1	45.9825	45.4834	1.1	30
Di-n-octylphthalate	1	44.7486	42.0445	6.2	30
Benzo[b]fluoranthene	1	43.8961	43.1754	1.7	30
Benzo[k]fluoranthene	1	42.6939	42.2463	1.1	30
Benzo[a]pyrene	1	38.953	40.0147	2.7	30
Indeno[1,2,3-cd]pyrene	1	36.4045	40.1333	9.7	30
Dibenzo[a,h]anthracene	1	36.2086	39.8637	9.6	30
Benzo[g,h,i]perylene	1	34.133	38.5252	12	30

* - Indicates outside of limits

NA - Both concentrations=0... no result can be calculated

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 52291 % Solid: 0 Lab Name: Veritech
Client Id: MB 52291 Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.5	ND	1	100	125	04/21/16	52291	W042016A	12	MS	MS2_7500AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	04/20/16	52291	W041916B	12	MS	MS2_7500AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	04/20/16	52291	W041916B	12	MS	MS2_7500AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	04/20/16	52291	W041916B	12	MS	MS2_7500AQA
7440-48-4	Cobalt	1.0	ND	1	100	125	04/20/16	52291	W041916B	12	MS	MS2_7500AQA
7439-92-1	Lead	3.0	ND	1	100	125	04/20/16	52291	W041916B	12	MS	MS2_7500AQA
7782-49-2	Selenium	5.0	ND	1	100	125	04/20/16	52291	W041916B	12	MS	MS2_7500AQA
7440-28-0	Thallium	1.5	ND	1	100	125	04/20/16	52291	W041916B	12	MS	MS2_7500AQA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 52291 (0.5) % Solid: 0 Lab Name: Veritech
Client Id: MB 52291 (0.5) Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	100	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-36-0	Antimony	7.5	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-39-3	Barium	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-43-9	Cadmium	2.0	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-70-2	Calcium	1000	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7439-89-6	Iron	150	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7439-92-1	Lead	5.0	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7439-95-4	Magnesium	1000	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7439-96-5	Manganese	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7439-98-7	Molybdenum	10	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-02-0	Nickel	10	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-09-7	Potassium	2500	ND	1	100	50	04/21/16	52291	A19256D2	10	P	PEICPRAD2A
7782-49-2	Selenium	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-22-4	Silver	10	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-23-5	Sodium	2500	ND	1	100	50	04/21/16	52291	A19256D2	10	P	PEICPRAD2A
7440-28-0	Thallium	5.0	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-31-5	Tin	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-32-6	Titanium	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-62-2	Vanadium	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	04/21/16	52291	A19256C2	13	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 52306 (100) % Solid: 0 Lab Name: Veritech
Client Id: MB 52306 (100) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	200	ND	1	0.5	50	04/19/16	52306	S19270B3	11	P	PEICPRAD3A
7440-36-0	Antimony	4.0	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-38-2	Arsenic	4.0	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-39-3	Barium	10	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-41-7	Beryllium	1.2	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-43-9	Cadmium	1.2	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-70-2	Calcium	1000	ND	1	0.5	50	04/19/16	52306	S19270B3	11	P	PEICPRAD3A
7440-47-3	Chromium	5.0	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-48-4	Cobalt	2.5	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-50-8	Copper	5.0	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7439-89-6	Iron	200	ND	1	0.5	50	04/19/16	52306	S19270B3	11	P	PEICPRAD3A
7439-92-1	Lead	5.0	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7439-95-4	Magnesium	500	ND	1	0.5	50	04/19/16	52306	S19270B3	11	P	PEICPRAD3A
7439-96-5	Manganese	10	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7439-98-7	Molybdenum	2.5	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-02-0	Nickel	5.0	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-09-7	Potassium	500	ND	1	0.5	50	04/19/16	52306	S19270B3	11	P	PEICPRAD3A
7782-49-2	Selenium	3.0	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-22-4	Silver	1.5	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-23-5	Sodium	250	ND	1	0.5	50	04/19/16	52306	S19270B3	11	P	PEICPRAD3A
7440-28-0	Thallium	1.5	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-31-5	Tin	20	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-32-6	Titanium	10	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-62-2	Vanadium	10	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A
7440-66-6	Zinc	10	ND	1	0.5	50	04/19/16	52306	S19270A3	12	P	PEICP3A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 52307 % Solid: 0 Lab Name: Veritech
Client Id: MB 52307 Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	0.80	ND	1	0.5	100	04/19/16	52307	S041916B	17	MS	MS2_7500SWA
7440-38-2	Arsenic	0.20	ND	1	0.5	100	04/19/16	52307	S041916B	17	MS	MS2_7500SWA
7440-41-7	Beryllium	0.20	ND	1	0.5	100	04/19/16	52307	S041916B	17	MS	MS2_7500SWA
7440-43-9	Cadmium	0.40	ND	1	0.5	100	04/19/16	52307	S041916B	17	MS	MS2_7500SWA
7782-49-2	Selenium	2.0	ND	1	0.5	100	04/19/16	52307	S041916B	17	MS	MS2_7500SWA
7440-22-4	Silver	0.20	ND	1	0.5	100	04/19/16	52307	S041916B	17	MS	MS2_7500SWA
7440-28-0	Thallium	0.40	ND	1	0.5	100	04/19/16	52307	S041916B	17	MS	MS2_7500SWA

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 52291 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 52291 (1) Units: UG/L Lab Code:
Matrix: AQUEOUS
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.20	ND	1	25	25	04/25/16	52291	H19256A	11	CV	HGCV2A

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID: MB 52306 (167) % Solid: 0 Lab Name: Veritech
Client Id: MB 52306 (167) Units: MG/KG Lab Code:
Matrix: SOIL
Level: LOW

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7439-97-6	Mercury	0.083	ND	1	0.15	25	04/22/16	52306	H19270S	11	CV	HGCV2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-1	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	100	ND	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7440-39-3	Barium	25	ND	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7440-70-2	Calcium	1000	27000	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7439-89-6	Iron	150	200	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7439-95-4	Magnesium	1000	7900	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7439-96-5	Manganese	25	400	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	04/25/16	52291	H19256A	25	CV	HGCV2A
7440-02-0	Nickel	10	ND	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7440-09-7	Potassium	2500	ND	1	100	50	04/21/16	52291	A19256D2	13	P	PEICPRAD2A
7440-22-4	Silver	10	ND	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7440-23-5	Sodium	2500	6600	1	100	50	04/21/16	52291	A19256D2	13	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	04/21/16	52291	A19256C2	16	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-001	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-1	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.5	ND	1	100	125	04/21/16	52291	W042016A	15	MS	MS2_7500AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	04/20/16	52291	W041916B	15	MS	MS2_7500AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	04/20/16	52291	W041916B	15	MS	MS2_7500AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	04/20/16	52291	W041916B	15	MS	MS2_7500AQA
7440-48-4	Cobalt	1.0	ND	1	100	125	04/20/16	52291	W041916B	15	MS	MS2_7500AQA
7439-92-1	Lead	3.0	ND	1	100	125	04/20/16	52291	W041916B	15	MS	MS2_7500AQA
7782-49-2	Selenium	5.0	ND	1	100	125	04/20/16	52291	W041916B	15	MS	MS2_7500AQA
7440-28-0	Thallium	1.5	ND	1	100	125	04/20/16	52291	W041916B	15	MS	MS2_7500AQA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-002	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-10	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	100	ND	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7440-39-3	Barium	25	ND	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7440-70-2	Calcium	1000	28000	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7439-89-6	Iron	150	210	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7439-95-4	Magnesium	1000	8300	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7439-96-5	Manganese	25	420	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	04/25/16	52291	H19256A	26	CV	HGCV2A
7440-02-0	Nickel	10	ND	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7440-09-7	Potassium	2500	ND	1	100	50	04/21/16	52291	A19256D2	31	P	PEICPRAD2A
7440-22-4	Silver	10	ND	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7440-23-5	Sodium	2500	6800	1	100	50	04/21/16	52291	A19256D2	31	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	04/21/16	52291	A19256C2	35	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-002	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-10	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.5	ND	1	100	125	04/21/16	52291	W042016A	27	MS	MS2_7500AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	04/20/16	52291	W041916B	28	MS	MS2_7500AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	04/20/16	52291	W041916B	28	MS	MS2_7500AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	04/20/16	52291	W041916B	28	MS	MS2_7500AQA
7440-48-4	Cobalt	1.0	ND	1	100	125	04/20/16	52291	W041916B	28	MS	MS2_7500AQA
7439-92-1	Lead	3.0	ND	1	100	125	04/20/16	52291	W041916B	28	MS	MS2_7500AQA
7782-49-2	Selenium	5.0	ND	1	100	125	04/20/16	52291	W041916B	28	MS	MS2_7500AQA
7440-28-0	Thallium	1.5	ND	1	100	125	04/20/16	52291	W041916B	28	MS	MS2_7500AQA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-003	% Solid:	64	Lab Name:	Veritech	Nras No:	
Client Id:	SD-1	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	310	25000	1	0.5	50	04/20/16	52306	S19270B3	38	P	PEICPRAD3A
7440-39-3	Barium	16	210	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A
7440-70-2	Calcium	1600	5200	1	0.5	50	04/20/16	52306	S19270B3	38	P	PEICPRAD3A
7440-47-3	Chromium	7.8	52	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A
7440-48-4	Cobalt	3.9	19	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A
7440-50-8	Copper	7.8	50	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A
7439-89-6	Iron	310	43000	1	0.5	50	04/20/16	52306	S19270B3	38	P	PEICPRAD3A
7439-92-1	Lead	7.8	29	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A
7439-95-4	Magnesium	780	9300	1	0.5	50	04/20/16	52306	S19270B3	38	P	PEICPRAD3A
7439-96-5	Manganese	16	1100	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A
7439-97-6	Mercury	0.13	ND	1	0.15	25	04/22/16	52306	H19270S	32	CV	HGCV2A
7440-02-0	Nickel	7.8	40	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A
7440-09-7	Potassium	780	6200	1	0.5	50	04/20/16	52306	S19270B3	38	P	PEICPRAD3A
7440-23-5	Sodium	390	ND	1	0.5	50	04/20/16	52306	S19270B3	38	P	PEICPRAD3A
7440-62-2	Vanadium	16	74	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A
7440-66-6	Zinc	16	130	1	0.5	50	04/19/16	52306	S19270A3	40	P	PEICP3A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-003	% Solid:	64	Lab Name:	Veritech	Nras No:	
Client Id:	SD-1	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	1.2	ND	1	0.5	100	04/20/16	52307	S041916B	45	MS	MS2_7500SWA
7440-38-2	Arsenic	0.31	2.1	1	0.5	100	04/20/16	52307	S041916B	45	MS	MS2_7500SWA
7440-41-7	Beryllium	0.31	ND	1	0.5	100	04/20/16	52307	S041916B	45	MS	MS2_7500SWA
7440-43-9	Cadmium	0.62	ND	1	0.5	100	04/20/16	52307	S041916B	45	MS	MS2_7500SWA
7782-49-2	Selenium	3.1	ND	1	0.5	100	04/20/16	52307	S041916B	45	MS	MS2_7500SWA
7440-22-4	Silver	0.31	ND	1	0.5	100	04/20/16	52307	S041916B	45	MS	MS2_7500SWA
7440-28-0	Thallium	0.62	ND	1	0.5	100	04/20/16	52307	S041916B	45	MS	MS2_7500SWA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-004	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-2	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	100	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7440-39-3	Barium	25	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7440-70-2	Calcium	1000	25000	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7439-89-6	Iron	150	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7439-95-4	Magnesium	1000	7300	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7439-96-5	Manganese	25	25	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	04/25/16	52291	H19256A	27	CV	HGCV2A
7440-02-0	Nickel	10	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7440-09-7	Potassium	2500	ND	1	100	50	04/21/16	52291	A19256D2	32	P	PEICPRAD2A
7440-22-4	Silver	10	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7440-23-5	Sodium	2500	9800	1	100	50	04/21/16	52291	A19256D2	32	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	04/21/16	52291	A19256C2	36	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-004	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-2	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.5	ND	1	100	125	04/21/16	52291	W042016A	28	MS	MS2_7500AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	04/20/16	52291	W041916B	29	MS	MS2_7500AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	04/20/16	52291	W041916B	29	MS	MS2_7500AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	04/20/16	52291	W041916B	29	MS	MS2_7500AQA
7440-48-4	Cobalt	1.0	ND	1	100	125	04/20/16	52291	W041916B	29	MS	MS2_7500AQA
7439-92-1	Lead	3.0	ND	1	100	125	04/20/16	52291	W041916B	29	MS	MS2_7500AQA
7782-49-2	Selenium	5.0	ND	1	100	125	04/20/16	52291	W041916B	29	MS	MS2_7500AQA
7440-28-0	Thallium	1.5	ND	1	100	125	04/20/16	52291	W041916B	29	MS	MS2_7500AQA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-005	% Solid:	17	Lab Name:	Veritech	Nras No:	
Client Id:	SD-2	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	1200	23000	1	0.5	50	04/20/16	52306	S19270B3	39	P	PEICPRAD3A
7440-39-3	Barium	59	1000	1	0.5	50	04/19/16	52306	S19270A3	41	P	PEICP3A
7440-70-2	Calcium	5900	60000	1	0.5	50	04/20/16	52306	S19270B3	39	P	PEICPRAD3A
7440-47-3	Chromium	29	47	1	0.5	50	04/19/16	52306	S19270A3	41	P	PEICP3A
7440-48-4	Cobalt	15	32	1	0.5	50	04/19/16	52306	S19270A3	41	P	PEICP3A
7440-50-8	Copper	29	97	1	0.5	50	04/19/16	52306	S19270A3	41	P	PEICP3A
7439-89-6	Iron	1200	110000	1	0.5	50	04/20/16	52306	S19270B3	39	P	PEICPRAD3A
7439-92-1	Lead	29	120	1	0.5	50	04/19/16	52306	S19270A3	41	P	PEICP3A
7439-95-4	Magnesium	2900	29000	1	0.5	50	04/20/16	52306	S19270B3	39	P	PEICPRAD3A
7439-96-5	Manganese	240	41000	4	0.5	50	04/20/16	52306	S19270C3	15	P	PEICP3A
7439-97-6	Mercury	0.49	ND	1	0.15	25	04/22/16	52306	H19270S	35	CV	HGCV2A
7440-02-0	Nickel	29	65	1	0.5	50	04/19/16	52306	S19270A3	41	P	PEICP3A
7440-09-7	Potassium	2900	4100	1	0.5	50	04/20/16	52306	S19270B3	39	P	PEICPRAD3A
7440-23-5	Sodium	1500	ND	1	0.5	50	04/20/16	52306	S19270B3	39	P	PEICPRAD3A
7440-62-2	Vanadium	59	76	1	0.5	50	04/19/16	52306	S19270A3	41	P	PEICP3A
7440-66-6	Zinc	59	590	1	0.5	50	04/19/16	52306	S19270A3	41	P	PEICP3A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-005	% Solid:	17	Lab Name:	Veritech	Nras No:	
Client Id:	SD-2	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	4.7	ND	1	0.5	100	04/20/16	52307	S041916B	46	MS	MS2_7500SWA
7440-38-2	Arsenic	1.2	13	1	0.5	100	04/20/16	52307	S041916B	46	MS	MS2_7500SWA
7440-41-7	Beryllium	1.2	ND	1	0.5	100	04/20/16	52307	S041916B	46	MS	MS2_7500SWA
7440-43-9	Cadmium	2.4	ND	1	0.5	100	04/20/16	52307	S041916B	46	MS	MS2_7500SWA
7782-49-2	Selenium	12	ND	1	0.5	100	04/20/16	52307	S041916B	46	MS	MS2_7500SWA
7440-22-4	Silver	1.2	ND	1	0.5	100	04/20/16	52307	S041916B	46	MS	MS2_7500SWA
7440-28-0	Thallium	2.4	ND	1	0.5	100	04/20/16	52307	S041916B	46	MS	MS2_7500SWA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-006	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-3	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	100	ND	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7440-39-3	Barium	25	60	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7440-70-2	Calcium	1000	97000	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7439-89-6	Iron	150	310	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7439-95-4	Magnesium	1000	13000	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7439-96-5	Manganese	25	280	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	04/25/16	52291	H19256A	28	CV	HGCV2A
7440-02-0	Nickel	10	ND	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7440-09-7	Potassium	2500	3800	1	100	50	04/21/16	52291	A19256D2	33	P	PEICPRAD2A
7440-22-4	Silver	10	ND	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7440-23-5	Sodium	2500	76000	1	100	50	04/21/16	52291	A19256D2	33	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	04/21/16	52291	A19256C2	37	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-006	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-3	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.5	ND	1	100	125	04/21/16	52291	W042016A	29	MS	MS2_7500AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	04/20/16	52291	W041916B	30	MS	MS2_7500AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	04/20/16	52291	W041916B	30	MS	MS2_7500AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	04/20/16	52291	W041916B	30	MS	MS2_7500AQA
7440-48-4	Cobalt	1.0	ND	1	100	125	04/20/16	52291	W041916B	30	MS	MS2_7500AQA
7439-92-1	Lead	3.0	ND	1	100	125	04/20/16	52291	W041916B	30	MS	MS2_7500AQA
7782-49-2	Selenium	5.0	ND	1	100	125	04/20/16	52291	W041916B	30	MS	MS2_7500AQA
7440-28-0	Thallium	1.5	ND	1	100	125	04/20/16	52291	W041916B	30	MS	MS2_7500AQA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-007	% Solid:	40	Lab Name:	Veritech	Nras No:	
Client Id:	SD-3	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	500	18000	1	0.5	50	04/20/16	52306	S19270B3	40	P	PEICPRAD3A
7440-39-3	Barium	25	140	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A
7440-70-2	Calcium	2500	130000	1	0.5	50	04/20/16	52306	S19270B3	40	P	PEICPRAD3A
7440-47-3	Chromium	12	32	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A
7440-48-4	Cobalt	6.2	15	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A
7440-50-8	Copper	12	46	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A
7439-89-6	Iron	500	43000	1	0.5	50	04/20/16	52306	S19270B3	40	P	PEICPRAD3A
7439-92-1	Lead	12	91	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A
7439-95-4	Magnesium	1200	65000	1	0.5	50	04/20/16	52306	S19270B3	40	P	PEICPRAD3A
7439-96-5	Manganese	25	870	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A
7439-97-6	Mercury	0.21	ND	1	0.15	25	04/22/16	52306	H19270S	36	CV	HGCV2A
7440-02-0	Nickel	12	39	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A
7440-09-7	Potassium	1200	4100	1	0.5	50	04/20/16	52306	S19270B3	40	P	PEICPRAD3A
7440-23-5	Sodium	620	730	1	0.5	50	04/20/16	52306	S19270B3	40	P	PEICPRAD3A
7440-62-2	Vanadium	25	42	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A
7440-66-6	Zinc	25	170	1	0.5	50	04/19/16	52306	S19270A3	42	P	PEICP3A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-007	% Solid:	40	Lab Name:	Veritech	Nras No:	
Client Id:	SD-3	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.0	ND	1	0.5	100	04/20/16	52307	S041916B	47	MS	MS2_7500SWA
7440-38-2	Arsenic	0.50	5.1	1	0.5	100	04/20/16	52307	S041916B	47	MS	MS2_7500SWA
7440-41-7	Beryllium	0.50	ND	1	0.5	100	04/20/16	52307	S041916B	47	MS	MS2_7500SWA
7440-43-9	Cadmium	1.0	2.6	1	0.5	100	04/20/16	52307	S041916B	47	MS	MS2_7500SWA
7782-49-2	Selenium	5.0	ND	1	0.5	100	04/20/16	52307	S041916B	47	MS	MS2_7500SWA
7440-22-4	Silver	0.50	ND	1	0.5	100	04/20/16	52307	S041916B	47	MS	MS2_7500SWA
7440-28-0	Thallium	1.0	ND	1	0.5	100	04/20/16	52307	S041916B	47	MS	MS2_7500SWA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-008	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-4	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	100	ND	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7440-39-3	Barium	25	ND	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7440-70-2	Calcium	1000	20000	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7439-89-6	Iron	150	180	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7439-95-4	Magnesium	1000	5900	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7439-96-5	Manganese	25	60	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	04/25/16	52291	H19256A	29	CV	HGCV2A
7440-02-0	Nickel	10	ND	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7440-09-7	Potassium	2500	ND	1	100	50	04/21/16	52291	A19256D2	34	P	PEICPRAD2A
7440-22-4	Silver	10	ND	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7440-23-5	Sodium	2500	15000	1	100	50	04/21/16	52291	A19256D2	34	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	04/21/16	52291	A19256C2	38	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-008	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	SW-4	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.5	ND	1	100	125	04/21/16	52291	W042016A	30	MS	MS2_7500AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	04/20/16	52291	W041916B	31	MS	MS2_7500AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	04/20/16	52291	W041916B	31	MS	MS2_7500AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	04/20/16	52291	W041916B	31	MS	MS2_7500AQA
7440-48-4	Cobalt	1.0	ND	1	100	125	04/20/16	52291	W041916B	31	MS	MS2_7500AQA
7439-92-1	Lead	3.0	ND	1	100	125	04/20/16	52291	W041916B	31	MS	MS2_7500AQA
7782-49-2	Selenium	5.0	ND	1	100	125	04/20/16	52291	W041916B	31	MS	MS2_7500AQA
7440-28-0	Thallium	1.5	ND	1	100	125	04/20/16	52291	W041916B	31	MS	MS2_7500AQA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-009	% Solid:	67	Lab Name:	Veritech	Nras No:	
Client Id:	SD-4	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	300	7500	1	0.5	50	04/20/16	52306	S19270B3	41	P	PEICPRAD3A
7440-39-3	Barium	15	81	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A
7440-70-2	Calcium	1500	32000	1	0.5	50	04/20/16	52306	S19270B3	41	P	PEICPRAD3A
7440-47-3	Chromium	7.5	23	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A
7440-48-4	Cobalt	3.7	7.8	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A
7440-50-8	Copper	7.5	11	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A
7439-89-6	Iron	300	20000	1	0.5	50	04/20/16	52306	S19270B3	41	P	PEICPRAD3A
7439-92-1	Lead	7.5	13	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A
7439-95-4	Magnesium	750	20000	1	0.5	50	04/20/16	52306	S19270B3	41	P	PEICPRAD3A
7439-96-5	Manganese	15	1100	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A
7439-97-6	Mercury	0.12	ND	1	0.15	25	04/22/16	52306	H19270S	37	CV	HGCV2A
7440-02-0	Nickel	7.5	18	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A
7440-09-7	Potassium	750	1400	1	0.5	50	04/20/16	52306	S19270B3	41	P	PEICPRAD3A
7440-23-5	Sodium	370	ND	1	0.5	50	04/20/16	52306	S19270B3	41	P	PEICPRAD3A
7440-62-2	Vanadium	15	24	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A
7440-66-6	Zinc	15	82	1	0.5	50	04/19/16	52306	S19270A3	43	P	PEICP3A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-009	% Solid:	67	Lab Name:	Veritech	Nras No:	
Client Id:	SD-4	Units:	MG/KG	Lab Code:		Sdg No:	
Matrix:	SOIL	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	1.2	ND	1	0.5	100	04/20/16	52307	S041916B	48	MS	MS2_7500SWA
7440-38-2	Arsenic	0.30	2.0	1	0.5	100	04/20/16	52307	S041916B	48	MS	MS2_7500SWA
7440-41-7	Beryllium	0.30	ND	1	0.5	100	04/20/16	52307	S041916B	48	MS	MS2_7500SWA
7440-43-9	Cadmium	0.60	ND	1	0.5	100	04/20/16	52307	S041916B	48	MS	MS2_7500SWA
7782-49-2	Selenium	3.0	ND	1	0.5	100	04/20/16	52307	S041916B	48	MS	MS2_7500SWA
7440-22-4	Silver	0.30	ND	1	0.5	100	04/20/16	52307	S041916B	48	MS	MS2_7500SWA
7440-28-0	Thallium	0.60	ND	1	0.5	100	04/20/16	52307	S041916B	48	MS	MS2_7500SWA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-011	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	FB-20160413	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	100	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7440-39-3	Barium	25	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7440-70-2	Calcium	1000	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7439-89-6	Iron	150	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7439-95-4	Magnesium	1000	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7439-96-5	Manganese	25	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	04/25/16	52291	H19256A	30	CV	HGCV2A
7440-02-0	Nickel	10	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7440-09-7	Potassium	2500	ND	1	100	50	04/21/16	52291	A19256D2	35	P	PEICPRAD2A
7440-22-4	Silver	10	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7440-23-5	Sodium	2500	ND	1	100	50	04/21/16	52291	A19256D2	35	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A
7440-66-6	Zinc	25	100	1	100	50	04/21/16	52291	A19256C2	39	P	PEICP2A

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC90749-011	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	FB-20160413	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	4/14/2016	Contract:		Case No:	
Level:	LOW						

Cas No.	Analyte	RL	Conc	Dil Fact	Initial Wt/Vol	Final Wt/Vol	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7440-36-0	Antimony	2.5	ND	1	100	125	04/21/16	52291	W042016A	31	MS	MS2_7500AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	04/20/16	52291	W041916B	32	MS	MS2_7500AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	04/20/16	52291	W041916B	32	MS	MS2_7500AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	04/20/16	52291	W041916B	32	MS	MS2_7500AQA
7440-48-4	Cobalt	1.0	ND	1	100	125	04/20/16	52291	W041916B	32	MS	MS2_7500AQA
7439-92-1	Lead	3.0	ND	1	100	125	04/20/16	52291	W041916B	32	MS	MS2_7500AQA
7782-49-2	Selenium	5.0	ND	1	100	125	04/20/16	52291	W041916B	32	MS	MS2_7500AQA
7440-28-0	Thallium	1.5	ND	1	100	125	04/20/16	52291	W041916B	32	MS	MS2_7500AQA

Comments: _____

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Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit
P - ICP-AES
CV -ColdVapor
MS - ICP-MS

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/19/16
Data File: S041916B
Prep Batch: 52307
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: MS2_7500SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-231352-10	CCB V-231352-16	CCB V-231352-29	CCB V-231352-42	CCB V-231352-52	MB 52307-17	
Antimony	4 U	4 U	4 U	4 U	4 U	800 U	
Arsenic	1 U	1 U	1 U	1 U	1 U	200 U	
Beryllium	1 U	1 U	1 U	1 U	1 U	200 U	
Cadmium	2 U	2 U	2 U	2 U	2 U	400 U	
Selenium	10 U	10 U	10 U	10 U	10 U	2000 U	
Silver	1 U	1 U	1 U	1 U	1 U	200 U	
Thallium	2 U	2 U	2 U	2 U	2 U	400 U	

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/19/16
Data File: S19270A3
Prep Batch: 52306
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-228950-9	CCB V-228950-22	CCB V-228950-35	CCB V-228950-48	MB 52306 (100)-12
Barium	.1 U	.1 U	.1 U	.1 U	10 U
Chromium	.05 U	.05 U	.05 U	.05 U	5 U
Cobalt	.025 U	.025 U	.025 U	.025 U	2.5 U
Copper	.05 U	.05 U	.05 U	.05 U	5 U
Lead	.05 U	.05 U	.05 U	.05 U	5 U
Manganese	.1 U	.1 U	.1 U	.1 U	10 U
Molybdenum	.025 U	.025 U	.025 U	.025 U	2.5 U
Nickel	.05 U	.05 U	.05 U	.05 U	5 U
Vanadium	.1 U	.1 U	.1 U	.1 U	10 U
Zinc	.1 U	.1 U	.1 U	.1 U	10 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/19/16
Data File: S19270B3
Prep Batch: 52306
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: PEICPRAD3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-228950-8	CCB V-228950-21	CCB V-228950-34	CCB V-228950-46	MB 52306 (100)-11
Aluminum	2 U	2 U	2 U	2 U	200 U
Calcium	10 U	10 U	10 U	10 U	1000 U
Iron	2 U	2 U	2 U	2 U	200 U
Magnesium	5 U	5 U	5 U	5 U	500 U
Potassium	5 U	5 U	5 U	5 U	500 U
Sodium	2.5 U	2.5 U	2.5 U	2.5 U	250 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/20/16
Data File: S042016A
Prep Batch: 52307
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: MS2_7500SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-231352-10	CCB V-231352-16	CCB V-231352-29	CCB V-231352-42	CCB V-231352-55	CCB V-231352-65
Beryllium	1 U	1 U	1 U	1 U	1 U	1 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/20/16
Data File: S19270C3
Prep Batch: 52306
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-228950-9	CCB V-228950-21						
Lead	.05 U	.05 U						
Manganese	.1 U	.1 U						

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/20/16
Data File: W041916B
Prep Batch: 52291
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: MS2_7500AQA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	CCB V-230915-11	CCB V-230915-23	CCB V-230915-35	MB 52291-12				
Arsenic	.8 U	.8 U	.8 U	1 U				
Beryllium	.6 U	.6 U	.6 U	.75 U				
Cadmium	.8 U	.8 U	.8 U	1 U				
Cobalt	.8 U	.8 U	.8 U	1 U				
Lead	2.4 U	2.4 U	2.4 U	3 U				
Selenium	4 U	4 U	4 U	5 U				
Thallium	1.2 U	1.2 U	1.2 U	1.5 U				

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/21/16
Data File: A19256C2
Prep Batch: 52291
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICP2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-228950-8	CCB-12	CCB-22	CCB-32	CCB-41	CCB-48	MB 52291 (0.5)-13
Aluminum	.2 U	.2 U	.2 U	.2 U	.2 U	.2 U	.1 U
Antimony	.015 U	.015 U	.015 U	.015 U	.015 U	.015 U	.0075 U
Barium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U
Beryllium	.008 U	.008 U	.008 U	.008 U	.008 U	.008 U	.004 U
Cadmium	.004 U	.004 U	.004 U	.004 U	.004 U	.004 U	.002 U
Calcium	2 U	2 U	2 U	2 U	2 U	2 U	1 U
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U
Iron	.3 U	.3 U	.3 U	.3 U	.3 U	.3 U	.15 U
Lead	.01 U	.01 U	.01 U	.01 U	.01 U	.01 U	.005 U
Magnesium	2 U	2 U	2 U	2 U	2 U	2 U	1 U
Manganese	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U
Nickel	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.01 U
Selenium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U
Silver	.02 U	.02 U	.02 U	.02 U	.02 U	.02 U	.01 U
Thallium	.01 U	.01 U	.01 U	.01 U	.01 U	.01 U	.005 U
Vanadium	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U
Zinc	.05 U	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/21/16
Data File: A19256D2
Prep Batch: 52291
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: PEICPRAD2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-228950-7	CCB-19	CCB-29	CCB-39	MB 52291 (0.5)-10
Potassium	5 U	5 U	5 U	5 U	2.5 U
Sodium	5 U	5 U	5 U	5 U	2.5 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/21/16
Data File: W042016A
Prep Batch: 52291
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: MS2_7500AQA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	CCB V-230915-11	CCB V-230915-23	CCB V-230915-35	CCB V-230915-37	MB 52291-12
Antimony	2 U	2 U	2 U	2 U	2.5 U
Beryllium	.6 U	.6 U	.6 U	.6 U	.75 U
Cobalt	.8 U	.8 U	.8 U	.8 U	1 U

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/22/16
Data File: H19270S
Prep Batch: 52306
Reporting Limits Used: 6010B/6010C/7470A,7471A/7471B(Hg),6020/6020A
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-39	MB 52306 (167)-11			
Mercury	.5 U	.5 U	.5 U	.5 U	83 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 04/25/16
Data File: H19256A
Prep Batch: 52291
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: HGCV2A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 6041416

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	MB 52291 (1)-11			
Mercury	.2 U	.2 U	.2 U	.2 U			

Notes: a-indicates absolute value of result found above the reporting limits in CCB/ICB or result found above reporting limit in the MB
u-indicates result below reporting limit

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 52306

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 52306

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	52306	1	S19270B3	13	55.5789	80.8	69		51	149
Barium	52306	1	S19270A3	14	1.7792	2.09	85		83	127
Calcium	52306	1	S19270B3	13	49.9828	56.9	88		81	119
Chromium	52306	1	S19270A3	14	1.1864	1.43	83		80	120
Cobalt	52306	1	S19270A3	14	1.2907	1.54	84		84	116
Copper	52306	1	S19270A3	14	1.5361	1.73	89		82	118
Iron	52306	1	S19270B3	13	132.9180	150.00	89		47	154
Lead	52306	1	S19270A3	14	1.2400	1.46	85		82	118
Magnesium	52306	1	S19270B3	13	21.4465	26.40	81		77	123
Manganese	52306	1	S19270A3	14	2.6261	3.09	85		82	119
Mercury	52306	5	H19270S	15	12.7800	73.8	87		72	128
Nickel	52306	1	S19270A3	14	1.0997	1.29	85		83	117
Potassium	52306	1	S19270B3	13	18.8346	24.00	78		72	128
Sodium	52306	1	S19270B3	13	7.5174	8.69	87		73	127
Vanadium	52306	1	S19270A3	14	0.9633	1.15	84		78	123
Zinc	52306	1	S19270A3	14	1.6302	1.94	84		82	118

TxtQcType: LCS Matrix: SOIL SampleID: LCS 52306

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	52306	1	S19270B3	12	57.4653	80.8	71		51	149
Barium	52306	1	S19270A3	13	1.9159	2.09	92		83	127
Calcium	52306	1	S19270B3	12	50.1978	56.9	88		81	119
Chromium	52306	1	S19270A3	13	1.2592	1.43	88		80	120
Cobalt	52306	1	S19270A3	13	1.4000	1.54	91		84	116
Copper	52306	1	S19270A3	13	1.6319	1.73	94		82	118
Iron	52306	1	S19270B3	12	138.1610	150.00	92		47	154
Lead	52306	1	S19270A3	13	1.3058	1.46	89		82	118
Magnesium	52306	1	S19270B3	12	21.9970	26.40	83		77	123
Manganese	52306	1	S19270A3	13	2.9970	3.09	97		82	119
Mercury	52306	5	H19270S	14	13.4300	73.8	91		72	128
Nickel	52306	1	S19270A3	13	1.1962	1.29	93		83	117
Potassium	52306	1	S19270B3	12	19.7183	24.00	82		72	128
Sodium	52306	1	S19270B3	12	7.5995	8.69	87		73	127
Vanadium	52306	1	S19270A3	13	1.0124	1.15	88		78	123
Zinc	52306	1	S19270A3	13	1.7366	1.94	90		82	118

TxtQcType: MSD Matrix: SOIL SampleID: AC90778-049

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	52306	1	S19270B3	17	S19270B3	14	204.0200	165.6060	5.0	768	b	75	125
Barium	52306	1	S19270A3	18	S19270A3	15	1.6805	0.9948	0.5	137	a	75	125
Calcium	52306	1	S19270B3	17	S19270B3	14	444.2040	49.4070	50	790	a	75	125
Chromium	52306	1	S19270A3	18	S19270A3	15	0.6992	0.2130	0.5	97		75	125
Cobalt	52306	1	S19270A3	18	S19270A3	15	0.6029	0.1418	0.5	92		75	125
Copper	52306	1	S19270A3	18	S19270A3	15	0.8280	0.3018	0.5	105		75	125
Iron	52306	1	S19270B3	17	S19270B3	14	365.2430	329.6270	5.0	712	b	75	125
Lead	52306	1	S19270A3	18	S19270A3	15	1.1946	0.4895	0.5	141	a	75	125
Magnesium	52306	1	S19270B3	17	S19270B3	14	111.5160	54.7617	50	114		75	125
Manganese	52306	1	S19270A3	18	S19270A3	15	13.2913	10.9842	0.5	461	b	75	125
Mercury	52306	1	H19270S	19	H19270S	16	11.1200	0.9710	10	101		75	125
Nickel	52306	1	S19270A3	18	S19270A3	15	0.8243	0.3175	0.5	101		75	125
Potassium	52306	1	S19270B3	17	S19270B3	14	61.5474	17.6976	50	88		75	125
Sodium	52306	1	S19270B3	17	S19270B3	14	44.3245	2.5U	50	89		75	125
Vanadium	52306	1	S19270A3	18	S19270A3	15	0.7405	0.2447	0.5	99		75	125
Zinc	52306	1	S19270A3	18	S19270A3	15	1.7381	0.9579	0.5	156	a	75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 52306

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MS Matrix: SOIL SampleID: AC90778-048

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Aluminum	52306	1	S19270B3	16	S19270B3	14	277.6510	165.6060	5.0	2240	b	75	125
Barium	52306	1	S19270A3	17	S19270A3	15	2.1629	0.9948	0.5	234	a	75	125
Calcium	52306	1	S19270B3	16	S19270B3	14	125.7840	49.4070	50	153	a	75	125
Chromium	52306	1	S19270A3	17	S19270A3	15	0.8499	0.2130	0.5	127	a	75	125
Cobalt	52306	1	S19270A3	17	S19270A3	15	0.6577	0.1418	0.5	103		75	125
Copper	52306	1	S19270A3	17	S19270A3	15	0.9555	0.3018	0.5	131	a	75	125
Iron	52306	1	S19270B3	16	S19270B3	14	494.6370	329.6270	5.0	3300	b	75	125
Lead	52306	1	S19270A3	17	S19270A3	15	1.8733	0.4895	0.5	277	a	75	125
Magnesium	52306	1	S19270B3	16	S19270B3	14	128.6280	54.7617	50	148	a	75	125
Manganese	52306	1	S19270A3	17	S19270A3	15	17.0722	10.9842	0.5	1220	b	75	125
Mercury	52306	1	H19270S	18	H19270S	16	11.2600	0.9710	10	103		75	125
Nickel	52306	1	S19270A3	17	S19270A3	15	0.9613	0.3175	0.5	129	a	75	125
Potassium	52306	1	S19270B3	16	S19270B3	14	65.2756	17.6976	50	95		75	125
Sodium	52306	1	S19270B3	16	S19270B3	14	44.1536	2.5U	50	88		75	125
Vanadium	52306	1	S19270A3	17	S19270A3	15	0.8313	0.2447	0.5	117		75	125
Zinc	52306	1	S19270A3	17	S19270A3	15	2.3525	0.9579	0.5	279	a	75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 52307

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 52307

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	52307	1	S041916B	19	44.2600	123	36		1	200
Arsenic	52307	1	S041916B	19	139.8000	145	96		79	121
Beryllium	52307	1	S041916B	19	88.8000	97.3	91		83	117
Cadmium	52307	1	S041916B	19	83.7400	87.6	96		83	118
Selenium	52307	1	S041916B	19	160.9000	178	90		79	121
Silver	52307	1	S041916B	19	27.5300	31.3	88		75	125
Thallium	52307	1	S041916B	19	140.1000	141	99		79	121

TxtQcType: LCS Matrix: SOIL SampleID: LCS 52307

Analyte	BatchId	DF	Data Fil	Seq#:	Spk Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	52307	1	S041916B	18	43.1300	123	35		1	200
Arsenic	52307	1	S041916B	18	137.9000	145	95		79	121
Beryllium	52307	1	S041916B	18	87.6200	97.3	90		83	117
Cadmium	52307	1	S041916B	18	83.7200	87.6	96		83	118
Selenium	52307	1	S041916B	18	159.6000	178	90		79	121
Silver	52307	1	S041916B	18	27.4100	31.3	88		75	125
Thallium	52307	1	S041916B	18	139.8000	141	99		79	121

TxtQcType: MSD Matrix: SOIL SampleID: AC90778-049

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	52307	1	S041916B	24	S041916B	20	5.0600	4U	250	2	a	75	125
Arsenic	52307	1	S041916B	24	S041916B	20	276.8000	67.8600	250	84		75	125
Beryllium	52307	2	S042016A	59	S042016A	51	87.4500	2.7060	250	68	a	75	125
Cadmium	52307	1	S041916B	24	S041916B	20	209.2000	2.2650	250	83		75	125
Selenium	52307	1	S041916B	24	S041916B	20	192.0000	10.1700	250	73	a	75	125
Silver	52307	1	S041916B	24	S041916B	20	38.8900	1U	50	78		75	125
Thallium	52307	1	S041916B	24	S041916B	20	191.7000	2U	250	77		75	125

TxtQcType: MS Matrix: SOIL SampleID: AC90778-048

Analyte	BatchId	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	52307	1	S041916B	23	S041916B	20	8.3950	4U	250	3.4	a	75	125
Arsenic	52307	1	S041916B	23	S041916B	20	245.6000	67.8600	250	71	a	75	125
Beryllium	52307	2	S042016A	58	S042016A	51	94.8000	2.7060	250	74	a	75	125
Cadmium	52307	1	S041916B	23	S041916B	20	208.0000	2.2650	250	82		75	125
Selenium	52307	1	S041916B	23	S041916B	20	195.1000	10.1700	250	74	a	75	125
Silver	52307	1	S041916B	23	S041916B	20	39.6100	1U	50	79		75	125
Thallium	52307	1	S041916B	23	S041916B	20	197.9000	2U	250	79		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 52307

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SOIL SampleID: AC90778-047

Analyte	DF	Data Fil	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Adde	Recov	Qual	Lo Lim	Hi Lim
Antimony	1	S041916B	25	S041916B	20	48.3300	4U	50	97		80	120
Arsenic	1	S041916B	25	S041916B	20	114.1000	67.8600	50	92		80	120
Beryllium	2	S042016A	60	S042016A	51	39.6900	2.7060	50	74	a	80	120
Cadmium	1	S041916B	25	S041916B	20	48.0300	2.2650	50	92		80	120
Selenium	1	S041916B	25	S041916B	20	228.4000	10.1700	250	87		80	120
Silver	1	S041916B	25	S041916B	20	47.3700	1U	50	95		80	120
Thallium	1	S041916B	25	S041916B	20	44.4700	2U	50	89		80	120

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 52291

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC90749-001

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	52291	A19256C2	19	A19256C2	18	5.1424	5.0575	1.7	20
Antimony	52291	A19256C2	19	A19256C2	18	0.5125	0.4964	3.2	20
Barium	52291	A19256C2	19	A19256C2	18	0.5533	0.5406	2.3	20
Cadmium	52291	A19256C2	19	A19256C2	18	0.5200	0.5057	2.8	20
Calcium	52291	A19256C2	19	A19256C2	18	101.6950	98.6206	3.1	20
Chromium	52291	A19256C2	19	A19256C2	18	0.5097	0.5008	1.7	20
Copper	52291	A19256C2	19	A19256C2	18	0.5116	0.5029	1.7	20
Iron	52291	A19256C2	19	A19256C2	18	5.5196	5.3976	2.2	20
Lead	52291	A19256C2	19	A19256C2	18	0.5196	0.5031	3.2	20
Magnesium	52291	A19256C2	19	A19256C2	18	66.3436	65.1542	1.8	20
Manganese	52291	A19256C2	19	A19256C2	18	1.2967	1.2504	3.6	20
Nickel	52291	A19256C2	19	A19256C2	18	0.5130	0.4975	3.1	20
Potassium	52291	A19256D2	16	A19256D2	15	54.5675	53.5575	1.9	20
Selenium	52291	A19256C2	19	A19256C2	18	0.5222	0.5094	2.5	20
Silver	52291	A19256C2	19	A19256C2	18	0.0981	0.0962	2	20
Sodium	52291	A19256D2	16	A19256D2	15	64.3251	62.8904	2.3	20
Thallium	52291	A19256C2	19	A19256C2	18	0.5232	0.5107	2.4	20
Vanadium	52291	A19256C2	19	A19256C2	18	0.5199	0.5085	2.2	20
Zinc	52291	A19256C2	19	A19256C2	18	0.5196	0.5105	1.8	20

TxtQcType: SD Matrix: AQUEOUS SampleID: AC90749-001

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	52291	A19256C2	23	A19256C2	16	5	0.0054	0.0883	---		10
Antimony	52291	A19256C2	23	A19256C2	16	5	0.0009	-0.0001	---		10
Barium	52291	A19256C2	23	A19256C2	16	5	0.0076	0.0401	5.6		10
Cadmium	52291	A19256C2	23	A19256C2	16	5	0.0003	0.0001	---		10
Calcium	52291	A19256C2	23	A19256C2	16	5	11.1155	53.2080	4.5		10
Chromium	52291	A19256C2	23	A19256C2	16	5	-0.0005	-0.0006	---		10
Copper	52291	A19256C2	23	A19256C2	16	5	-0.0006	-0.0003	---		10
Iron	52291	A19256C2	23	A19256C2	16	5	0.0714	0.3915	8.9		10
Lead	52291	A19256C2	23	A19256C2	16	5	-0.0018	-0.0025	---		10
Magnesium	52291	A19256C2	23	A19256C2	16	5	3.3018	15.8315	4.3		10
Manganese	52291	A19256C2	23	A19256C2	16	5	0.1649	0.7999	3.1		10
Nickel	52291	A19256C2	23	A19256C2	16	5	-0.0003	-0.0003	---		10
Potassium	52291	A19256D2	20	A19256D2	13	5	1.1417	4.0465	41	a	10
Selenium	52291	A19256C2	23	A19256C2	16	5	-0.0023	0.0020	---		10
Silver	52291	A19256C2	23	A19256C2	16	5	-0.0003	-0.0005	---		10
Sodium	52291	A19256D2	20	A19256D2	13	5	2.8944	13.1653	9.9		10
Thallium	52291	A19256C2	23	A19256C2	16	5	-0.0014	0.0018	---		10
Vanadium	52291	A19256C2	23	A19256C2	16	5	0.0003	0.0185	---		10
Zinc	52291	A19256C2	23	A19256C2	16	5	0.0024	0.0068	74	c	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 52306

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 52306

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	52306	S19270B3	13	S19270B3	12	55.5789	57.4653	3.3		20
Barium	52306	S19270A3	14	S19270A3	13	1.7792	1.9159	7.4		20
Calcium	52306	S19270B3	13	S19270B3	12	49.9828	50.1978	.43		20
Chromium	52306	S19270A3	14	S19270A3	13	1.1864	1.2592	6		20
Cobalt	52306	S19270A3	14	S19270A3	13	1.2907	1.4000	8.1		20
Copper	52306	S19270A3	14	S19270A3	13	1.5361	1.6319	6		20
Iron	52306	S19270B3	13	S19270B3	12	132.9180	138.1610	3.9		20
Lead	52306	S19270A3	14	S19270A3	13	1.2400	1.3058	5.2		20
Magnesium	52306	S19270B3	13	S19270B3	12	21.4465	21.9970	2.5		20
Manganese	52306	S19270A3	14	S19270A3	13	2.6261	2.9970	13		20
Mercury	52306	H19270S	15	H19270S	14	12.7800	13.4300	5		20
Nickel	52306	S19270A3	14	S19270A3	13	1.0997	1.1962	8.4		20
Potassium	52306	S19270B3	13	S19270B3	12	18.8346	19.7183	4.6		20
Sodium	52306	S19270B3	13	S19270B3	12	7.5174	7.5995	1.1		20
Vanadium	52306	S19270A3	14	S19270A3	13	0.9633	1.0124	5		20
Zinc	52306	S19270A3	14	S19270A3	13	1.6302	1.7366	6.3		20

TxtQcType: MR Matrix: SOIL SampleID: AC90778-047

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	52306	S19270B3	15	S19270B3	14	200.2170	165.6060	19		20
Barium	52306	S19270A3	16	S19270A3	15	1.2070	0.9948	19		20
Calcium	52306	S19270B3	15	S19270B3	14	56.8926	49.4070	14		20
Chromium	52306	S19270A3	16	S19270A3	15	0.2620	0.2130	21	a	20
Cobalt	52306	S19270A3	16	S19270A3	15	0.1733	0.1418	20		20
Copper	52306	S19270A3	16	S19270A3	15	0.3651	0.3018	19		20
Iron	52306	S19270B3	15	S19270B3	14	399.0990	329.6270	19		20
Lead	52306	S19270A3	16	S19270A3	15	0.5940	0.4895	19		20
Magnesium	52306	S19270B3	15	S19270B3	14	65.2263	54.7617	17		20
Manganese	52306	S19270A3	16	S19270A3	15	12.6522	10.9842	14		20
Mercury	52306	H19270S	17	H19270S	16	1.3180	0.9710	30	b	20
Nickel	52306	S19270A3	16	S19270A3	15	0.3864	0.3175	20		20
Potassium	52306	S19270B3	15	S19270B3	14	20.5417	17.6976	15		20
Sodium	52306	S19270B3	15	S19270B3	14	2.5U	2.5U	---		20
Vanadium	52306	S19270A3	16	S19270A3	15	0.3057	0.2447	22	b	20
Zinc	52306	S19270A3	16	S19270A3	15	1.1726	0.9579	20		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 52306

Instrument Type: ICP/HG

Analytical Method(s):6010/200.7/7470A/7471A/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AC90778-049

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	52306	S19270B3	17	S19270B3	16	204.0200	277.6510	31	a	20
Barium	52306	S19270A3	18	S19270A3	17	1.6805	2.1629	25	a	20
Calcium	52306	S19270B3	17	S19270B3	16	444.2040	125.7840	112	a	20
Chromium	52306	S19270A3	18	S19270A3	17	0.6992	0.8499	19		20
Cobalt	52306	S19270A3	18	S19270A3	17	0.6029	0.6577	8.7		20
Copper	52306	S19270A3	18	S19270A3	17	0.8280	0.9555	14		20
Iron	52306	S19270B3	17	S19270B3	16	365.2430	494.6370	30	a	20
Lead	52306	S19270A3	18	S19270A3	17	1.1946	1.8733	44	a	20
Magnesium	52306	S19270B3	17	S19270B3	16	111.5160	128.6280	14		20
Manganese	52306	S19270A3	18	S19270A3	17	13.2913	17.0722	25	a	20
Mercury	52306	H19270S	19	H19270S	18	11.1200	11.2600	1.3		20
Nickel	52306	S19270A3	18	S19270A3	17	0.8243	0.9613	15		20
Potassium	52306	S19270B3	17	S19270B3	16	61.5474	65.2756	5.9		20
Sodium	52306	S19270B3	17	S19270B3	16	44.3245	44.1536	.39		20
Vanadium	52306	S19270A3	18	S19270A3	17	0.7405	0.8313	12		20
Zinc	52306	S19270A3	18	S19270A3	17	1.7381	2.3525	30	a	20

TxtQcType: SD Matrix: SOIL SampleID: AC90778-047

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	52306	S19270B3	22	S19270B3	14	5	34.1601	165.6060	3.1		10
Barium	52306	S19270A3	23	S19270A3	15	5	0.2268	0.9948	14	a	10
Calcium	52306	S19270B3	22	S19270B3	14	5	9.8344	49.4070	0.48		10
Chromium	52306	S19270A3	23	S19270A3	15	5	0.0499	0.2130	17	a	10
Cobalt	52306	S19270A3	23	S19270A3	15	5	0.0292	0.1418	3.1		10
Copper	52306	S19270A3	23	S19270A3	15	5	0.0640	0.3018	6		10
Iron	52306	S19270B3	22	S19270B3	14	5	67.7337	329.6270	2.7		10
Lead	52306	S19270A3	23	S19270A3	15	5	0.1071	0.4895	9.4		10
Magnesium	52306	S19270B3	22	S19270B3	14	5	11.5591	54.7617	5.5		10
Manganese	52306	S19270A3	23	S19270A3	15	5	2.4111	10.9842	9.8		10
Nickel	52306	S19270A3	23	S19270A3	15	5	0.0641	0.3175	0.97		10
Potassium	52306	S19270B3	22	S19270B3	14	5	3.8527	17.6976	8.8		10
Sodium	52306	S19270B3	22	S19270B3	14	5	0.1349	0.6856	---		10
Vanadium	52306	S19270A3	23	S19270A3	15	5	0.0588	0.2447	20	a	10
Zinc	52306	S19270A3	23	S19270A3	15	5	0.2116	0.9579	10		10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 52307

Instrument Type: ICPMS

Analytical Method(s):6020/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 52307

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Antimony	52307	S041916B	19	S041916B	18	44.2600	43.1300	2.6		20
Arsenic	52307	S041916B	19	S041916B	18	139.8000	137.9000	1.4		20
Beryllium	52307	S041916B	19	S041916B	18	88.8000	87.6200	1.3		20
Cadmium	52307	S041916B	19	S041916B	18	83.7400	83.7200	.024		20
Selenium	52307	S041916B	19	S041916B	18	160.9000	159.6000	.81		20
Silver	52307	S041916B	19	S041916B	18	27.5300	27.4100	.44		20
Thallium	52307	S041916B	19	S041916B	18	140.1000	139.8000	.21		20

TxtQcType: MR Matrix: SOIL SampleID: AC90778-047

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Antimony	52307	S041916B	21	S041916B	20	4U	4U	---		20
Arsenic	52307	S041916B	21	S041916B	20	35.2300	67.8600	63	a	20
Beryllium	52307	S042016A	56	S042016A	51	1.4700	2.7060	59	b	20
Cadmium	52307	S041916B	21	S041916B	20	2U	2.2650	---		20
Selenium	52307	S041916B	21	S041916B	20	10U	10.1700	---		20
Silver	52307	S041916B	21	S041916B	20	1U	1U	---		20
Thallium	52307	S041916B	21	S041916B	20	2U	2U	---		20

TxtQcType: MSD Matrix: SOIL SampleID: AC90778-049

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Antimony	52307	S041916B	24	S041916B	23	5.0600	8.3950	50	a	20
Arsenic	52307	S041916B	24	S041916B	23	276.8000	245.6000	12		20
Beryllium	52307	S042016A	59	S042016A	58	87.4500	94.8000	8.1		20
Cadmium	52307	S041916B	24	S041916B	23	209.2000	208.0000	.58		20
Selenium	52307	S041916B	24	S041916B	23	192.0000	195.1000	1.6		20
Silver	52307	S041916B	24	S041916B	23	38.8900	39.6100	1.8		20
Thallium	52307	S041916B	24	S041916B	23	191.7000	197.9000	3.2		20

TxtQcType: SD Matrix: SOIL SampleID: AC90778-047

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Antimony	52307	S041916B	22	S041916B	20	5	0.0906	0.3702	22	c	10
Arsenic	52307	S041916B	22	S041916B	20	5	14.4600	67.8600	6.5		10
Beryllium	52307	S042016A	57	S042016A	51	5	0.7013	2.7060	30	c	10
Cadmium	52307	S041916B	22	S041916B	20	5	0.4860	2.2650	7.3		10
Selenium	52307	S041916B	22	S041916B	20	5	2.3050	10.1700	13	c	10
Silver	52307	S041916B	22	S041916B	20	5	0.1795	0.8898	0.87		10
Thallium	52307	S041916B	22	S041916B	20	5	0.1819	0.8020	13	c	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC90749-001 | Project Number: 6041416
Matrix: Aqueous | Received Date: 4/14/2016
Client SampleID: SW-1 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**1**	**5.2**	**mg/L**	**2.0**	04/22/16	04/23/16
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	04/15/16	04/15/16

Lab#: AC90749-002 | Project Number: 6041416
Matrix: Aqueous | Received Date: 4/14/2016
Client SampleID: SW-10 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**1**	**5.8**	**mg/L**	**2.0**	04/22/16	04/23/16
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	04/15/16	04/15/16

Lab#: AC90749-003 | Project Number: 6041416
Matrix: Soil/Encore | Received Date: 4/14/2016
Client SampleID: SD-1 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICS	1	ND	mg/Kg	31	04/25/16	04/25/16
Cyanide	CN-S-9012	1	ND	mg/Kg	0.37	04/19/16	04/19/16

Lab#: AC90749-004 | Project Number: 6041416
Matrix: Aqueous | Received Date: 4/14/2016
Client SampleID: SW-2 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**1**	**11**	**mg/L**	**2.0**	04/22/16	04/23/16
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	04/15/16	04/15/16

Lab#: AC90749-005 | Project Number: 6041416
Matrix: Soil/Encore | Received Date: 4/14/2016
Client SampleID: SD-2 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICS	1	ND	mg/Kg	120	04/25/16	04/26/16
Cyanide	CN-S-9012	1	ND	mg/Kg	1.4	04/19/16	04/19/16

Lab#: AC90749-006 | Project Number: 6041416
Matrix: Aqueous | Received Date: 4/14/2016
Client SampleID: SW-3 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**5**	**190**	**mg/L**	**10**	04/25/16	04/25/16
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	04/15/16	04/15/16

Lab#: AC90749-007 | Project Number: 6041416
Matrix: Soil/Encore | Received Date: 4/14/2016
Client SampleID: SD-3 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICS	**1**	**160**	**mg/Kg**	**50**	04/25/16	04/26/16
Cyanide	CN-S-9012	1	ND	mg/Kg	0.60	04/19/16	04/19/16

Lab#: AC90749-008 | Project Number: 6041416
Matrix: Aqueous | Received Date: 4/14/2016
Client SampleID: SW-4 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**1**	**20**	**mg/L**	**2.0**	04/22/16	04/23/16
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	04/15/16	04/15/16

VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC90749-009 | Project Number: 6041416
Matrix: Soil/Encore | Received Date: 4/14/2016
Client SampleID: SD-4 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICS	1	ND	mg/Kg	30	04/25/16	04/26/16
Cyanide	CN-S-9012	1	ND	mg/Kg	0.36	04/19/16	04/19/16

Lab#: AC90749-011 | Project Number: 6041416
Matrix: Aqueous | Received Date: 4/14/2016
Client SampleID: FB-20160413 | Collect Date: 4/13/2016

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	1	ND	mg/L	2.0	04/22/16	04/23/16
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	04/15/16	04/15/16

MS/MSD/DUP Recovery

6041416 0177

Prep Batch: W-1104 Sample ID: AC90749-001
Method: EPA 335.4 Matrix: Aqueous

Qc Type: DUP	Limits		DUP	Sample			MS/MSD/DUP			Non Spike		
Analyte	Rpd	Dil	Conc	Conc	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	20	1	0	0	NA		20160415122	15	04/15/16 12:55	20160415122	14	04/15/16 12:52

Qc Type: MS		Limits		MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	0.4	75-125	1	0.3928	0	98		20160415122	16	04/15/16 12:57	20160415122	14	04/15/16 12:52

Qc Type: MSD		Limits		MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	0.4	75-125	20	1	0.3797	0	95	3.4		20160415122	17	04/15/16 12:59	20160415122	14	04/15/16 12:52

MS/MSD/DUP Recovery

Prep Batch: W-1104 Sample ID: AC90749-001
Method: EPA 9012B Matrix: Aqueous

Qc Type: DUP	Limits			DUP	Sample			MS/MSD/DUP			Non Spike		
Analyte	Rpd	Dil		Conc	Conc	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	35	1		0	0	NA		20160415122	15	04/15/16 12:55	20160415122	14	04/15/16 12:52

Qc Type: MS		Limits		MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	0.4	75-125	1	0.3928	0	98		20160415122	16	04/15/16 12:57	20160415122	14	04/15/16 12:52

Qc Type: MSD		Limits		MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	0.4	75-125	20	1	0.3797	0	95	3.4		20160415122	17	04/15/16 12:59	20160415122	14	04/15/16 12:52

MS/MSD/DUP Recovery

6041416 0179

Prep Batch: S-1624 Sample ID: AC90736-001
Method: EPA 9012B Matrix: Soil

Qc Type: DUP	Limits			DUP	Sample			MS/MSD/DUP			Non Spike		
Analyte	Rpd	Dil		Conc	Conc	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	35	1		0	0	NA		20160419123	15	04/19/16 13:07	20160419123	14	04/19/16 13:05

Qc Type: MS		Limits			MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov		Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	0.4	75-125		1	0.3483	0	87		20160419123	16	04/19/16 13:09	20160419123	14	04/19/16 13:05

Qc Type: MSD		Limits			MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide	0.4	75-125	20	1	0.3835	0	96	9.6		20160419123	17	04/19/16 13:12	20160419123	14	04/19/16 13:05

LCS Recoveries

	BatchRunID/RunID:===>	201604151222-12							
	QcBatchID:===>	LCSW-1104							
	Date/Time:===>	04/15/16 12:48							
	Analytical Method:===>	EPA 335.4							
	Matrix:===>	Aqueous	Soil		Soil		Soil		Soil
	EPA 335.4								
Analyte	**Amt Limits**	**Amt Limits**	% Rec Flags		% Rec Flags		% Rec Flags		% Rec Flags
Cyanide	0.4 90-110		97						

LCS Recoveries

	BatchRunID/RunID:===>	201604151222-12				
	QcBatchID:===>	LCSW-1104				
	Date/Time:===>	04/15/16 12:48				
	Analytical Method:===>	EPA 9012B				
	Matrix:===>	Aqueous	Soil	Soil	Soil	Soil
Analyte	EPA 9012B Amt Limits Amt Limits	% Rec Flags	% Rec Flags	% Rec Flags	% Rec Flags	% Rec Flags
Cyanide	0.4 80-120	97				

LCS Recoveries

	BatchRunID/RunID:===>		201604191235-12						
	QcBatchID:===>		LCSS-1624						
	Date/Time:===>		04/19/16 13:00						
	Analytical Method:===>		EPA 9012B						
	Matrix:===>		Soil	Soil		Soil		Soil	
	EPA 9012B								
Analyte	Amt	Limits	Amt Limits	% Rec	Flags	% Rec Flags	% Rec	Flags	% Rec Flags	% Rec Flags
Cyanide	0.4	80-120		96					

Calibration Summary:

Instrument: DA1
Analysis Meth: EPA 335.4

Analyte	Batch ID	Run#	Qc Type	Recov	Spk Amt	Limit
Cyanide	20160415122	9	ICV	99	0.4	90-110
Cyanide	20160415122	21	CCV	102	0.4	90-110
Cyanide	20160415122	33	CCV	101	0.4	90-110
Cyanide	20160415122	37	CCV	102	0.4	90-110
Cyanide	20160415122	39	CCV	102	0.4	90-110
Cyanide	20160415122	42	CCV	100	0.4	90-110

Calibration Summary:

Instrument: DA1
Analysis Meth: EPA 9012B

Analyte	Batch ID	Run#	Qc Type	Recov	Spk Amt	Limit
Cyanide	20160415122	9	ICV	99	0.4	85-115
Cyanide	20160415122	21	CCV	102	0.4	85-115
Cyanide	20160415122	33	CCV	101	0.4	85-115
Cyanide	20160415122	37	CCV	102	0.4	85-115

Calibration Summary:

Instrument: DA1
Analysis Meth: EPA 9012B

Analyte	Batch ID	Run#	Qc Type	Recov	Spk Amt	Limit
Cyanide	20160419123	9	ICV	109	0.4	85-115
Cyanide	20160419123	21	CCV	110	0.4	85-115
Cyanide	20160419123	33	CCV	109	0.4	85-115

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 4/15/16

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160415122	4/15/16 12:45	MBW-1104	11	Cyanide	ND	0.020

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160415122	4/15/16 12:43	CCB	10	Cyanide	ND	0.020

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160415122	4/15/16 13:11	CCB	22	Cyanide	ND	0.020
20160415122	4/15/16 13:38	CCB	34	Cyanide	ND	0.020
20160415122	4/15/16 13:45	CCB	38	Cyanide	ND	0.020
20160415122	4/15/16 14:02	CCB	40	Cyanide	ND	0.020
20160415122	4/15/16 14:07	CCB	43	Cyanide	ND	0.020

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 4/15/16

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160415122	4/15/16 12:45	MBW-1104	11	Cyanide	ND	0.020

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160415122	4/15/16 12:43	CCB	10	Cyanide	ND	0.020

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160415122	4/15/16 13:11	CCB	22	Cyanide	ND	0.020
20160415122	4/15/16 13:38	CCB	34	Cyanide	ND	0.020
20160415122	4/15/16 13:45	CCB	38	Cyanide	ND	0.020

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 4/19/16

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160419123	4/19/16 12:58	MBS-1624	11	Cyanide	ND	0.24

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160419123	4/19/16 12:55	CCB	10	Cyanide	ND	0.020

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160419123	4/19/16 13:23	CCB	22	Cyanide	ND	0.020
20160419123	4/19/16 13:48	CCB	34	Cyanide	ND	0.020

MS/MSD/DUP Recovery

6041416 0189

Prep Batch: S-1192 Sample ID: AC90749-003
Method: EPA 9056A Matrix: Soil

Qc Type: MS		Limits			MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov		Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120		1	6.0863	0	122	Ms	20160425173	12	04/25/16 23:31	20160425173	11	04/25/16 23:03

Qc Type: MSD		Limits			MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120	20	1	6.0607	0	121	0.4	Ms	20160425173	13	04/25/16 23:58	20160425173	11	04/25/16 23:03

Prep Batch: W-1816 Sample ID: AC90906-001
Method: 300.0 rev2.1 Matrix: Aqueous

Qc Type: MS		Limits			MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov		Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120		1	1118.67	1108.50	203	Mw	20160414102	245	04/22/16 18:30	20160414102	244	04/22/16 18:02

Qc Type: MSD		Limits			MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120	20	1	1126.21	1108.50	354	0.7	MW	20160414102	246	04/22/16 18:57	20160414102	244	04/22/16 18:02

Prep Batch: W-1817 Sample ID: AC90749-001
Method: 300.0 rev2.1 Matrix: Aqueous

Qc Type: MS		Limits			MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov		Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120		1	9.6964	5.1927	90		20160414102	273	04/23/16 07:38	20160414102	272	04/23/16 07:10

Qc Type: MSD		Limits			MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120	20	1	9.6136	5.1927	88	0.9		20160414102	274	04/23/16 08:05	20160414102	272	04/23/16 07:10

Prep Batch: W-1818 Sample ID: AC90854-005
Method: 300.0 rev2.1 Matrix: Aqueous

Qc Type: MS		Limits			MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov		Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120		1	308.308	303.680	93		20160414102	298	04/25/16 13:43	20160414102	297	04/25/16 13:16

Qc Type: MSD		Limits			MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120	20	1	308.486	303.680	96	0.1		20160414102	299	04/25/16 14:11	20160414102	297	04/25/16 13:16

LCS Recoveries

	BatchRunID/RunID:====>			201604251738-10		201604141026-243		201604141026-271	201604141026-294	
	QcBatchID:====>			LCSS-1192		LCSW-1816		LCSW-1817	LCSW-1818	
	Date/Time:====>			04/25/16 22:36		04/22/16 17:35		04/23/16 06:43	04/25/16 11:54	
	Analytical Method:====>			EPA 9056A		300.0 rev2.1		300.0 rev2.1	300.0 rev2.1	
	Matrix:====>			Soil		Aqueous		Aqueous	Aqueous	Soil
Analyte	300.0 rev2. **Amt**	**Limits**	EPA 9056A **Amt**	**Limits**	% Rec Flags		% Rec Flags		% Rec Flags	% Rec Flags	% Rec Flags
Chloride	5	90-110	5	80-120	107		98		98	98	

6041416 0191

Calibration Curve

Instrument: IC1
Analysis Date: 04/14/16
Analytical Methods: 300.0 rev2.1;EPA 9056;EPA 9056A

		Area Found						Concentration Amount						
Batch ID:	Analyte:	Area1	Area2	Area3	Area4	Area5	Area6	Conc1	Conc2	Conc3	Conc4	Conc5	Conc6	rSq
201604141026	Chloride	0	0.216	1.212	1.813	4.036	10.807	0	1	5	10	20	50	99.765
201604251738	Chloride	0	0.223	1.002	1.942	4.186	11.407	0	1	5	10	20	50	99.851

Calibration Summary:

Instrument: IC1
Analysis Meth: 300.0 rev2.1

Analyte	Batch ID	Run#	Qc Type	Recov	Spk Amt	Limit
Chloride	20160414102	7	ICV	95	10	90-110
Chloride	20160414102	240	CCV	102	10	90-110
Chloride	20160414102	252	CCV	91	10	90-110
Chloride	20160414102	262	CCV	90	10	90-110
Chloride	20160414102	268	CCV	92	10	90-110
Chloride	20160414102	280	CCV	90	10	90-110
Chloride	20160414102	291	CCV	90	10	90-110
Chloride	20160414102	302	CCV	90	10	90-110
Chloride	20160425173	7	ICV	102	10	90-110
Chloride	20160425173	17	CCV	100	10	90-110

Calibration Summary:

Instrument: IC1
Analysis Meth: EPA 9056A

Analyte	Batch ID	Run#	Qc Type	Recov	Spk Amt	Limit
Chloride	20160425173	7	ICV	102	10	90-110
Chloride	20160425173	17	CCV	100	10	90-110

Blank Summary

Instrument: IC1

Qc Type: Method Blank Summary Prep Date: 4/22/16

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160414102	4/22/16 17:08	MBW-1816	242	Chloride	ND	2.0
20160414102	4/23/16 06:16	MBW-1817	270	Chloride	ND	2.0
20160414102	4/25/16 11:29	MBW-1818	293	Chloride	ND	2.0
20160425173	4/25/16 22:11	MBS-1192	9	Chloride	ND	20

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160414102	4/14/16 14:29	ICB	8	Chloride	ND	2.0
20160425173	4/25/16 21:43	ICB	8	Chloride	ND	2.0

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20160414102	4/22/16 16:38	CCB	241	Chloride	ND	2.0
20160414102	4/22/16 22:06	CCB	253	Chloride	ND	2.0
20160414102	4/23/16 03:05	CCB	263	Chloride	ND	2.0
20160414102	4/23/16 05:48	CCB	269	Chloride	ND	2.0
20160414102	4/23/16 11:14	CCB	281	Chloride	ND	2.0
20160414102	4/25/16 11:01	CCB	292	Chloride	ND	2.0
20160414102	4/25/16 16:00	CCB	303	Chloride	ND	2.0
20160425173	4/26/16 02:13	CCB	18	Chloride	ND	2.0

Hampton-Clarke
Analytical & Field Services

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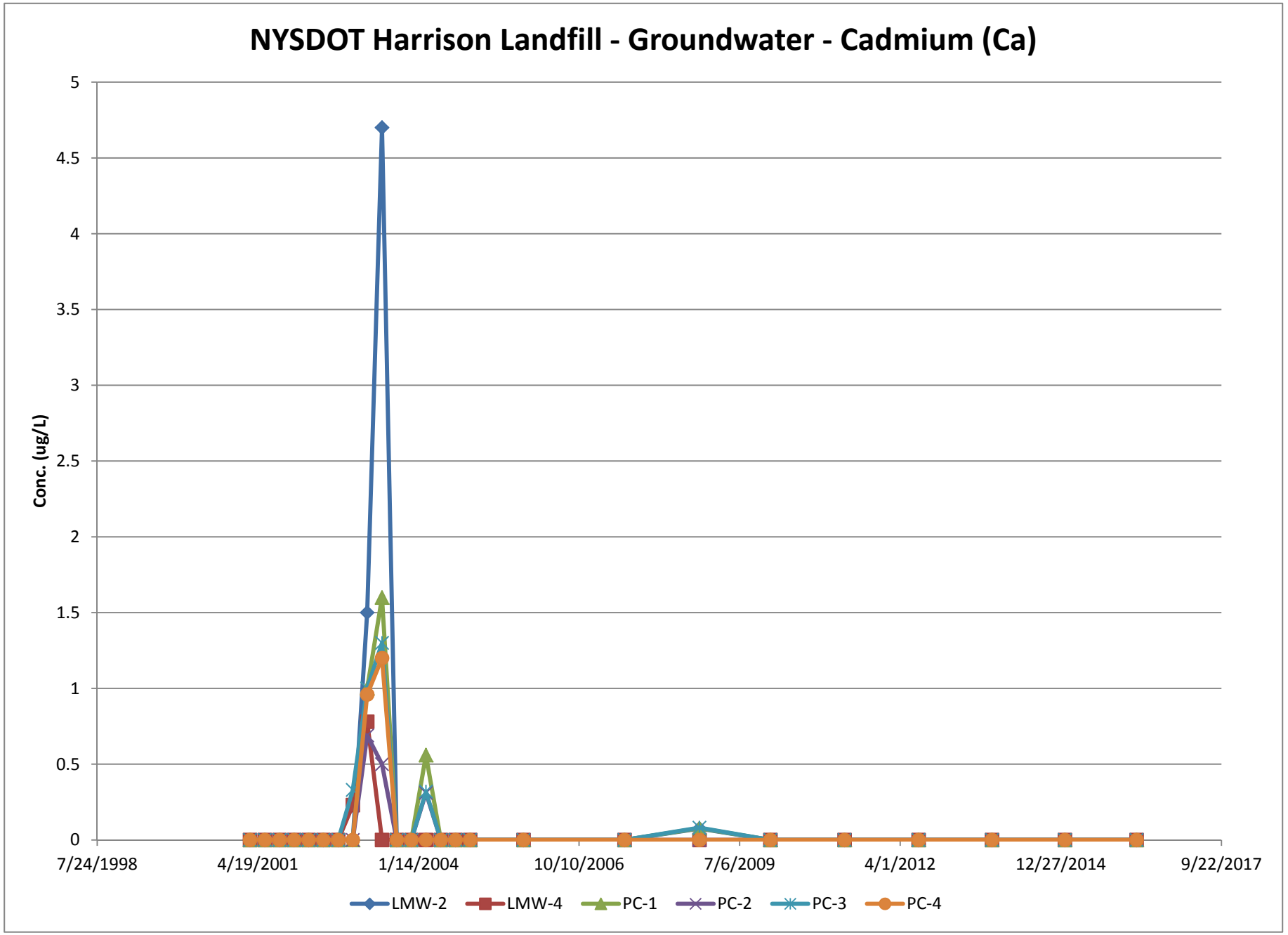
ATTACHMENT C

HISTORIC DATA SUMMARY

GROUNDWATER TRENDS


NYSDOT Harrison Landfill - Groundwater - Cadmium (Ca)
Conc. (ug/L)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
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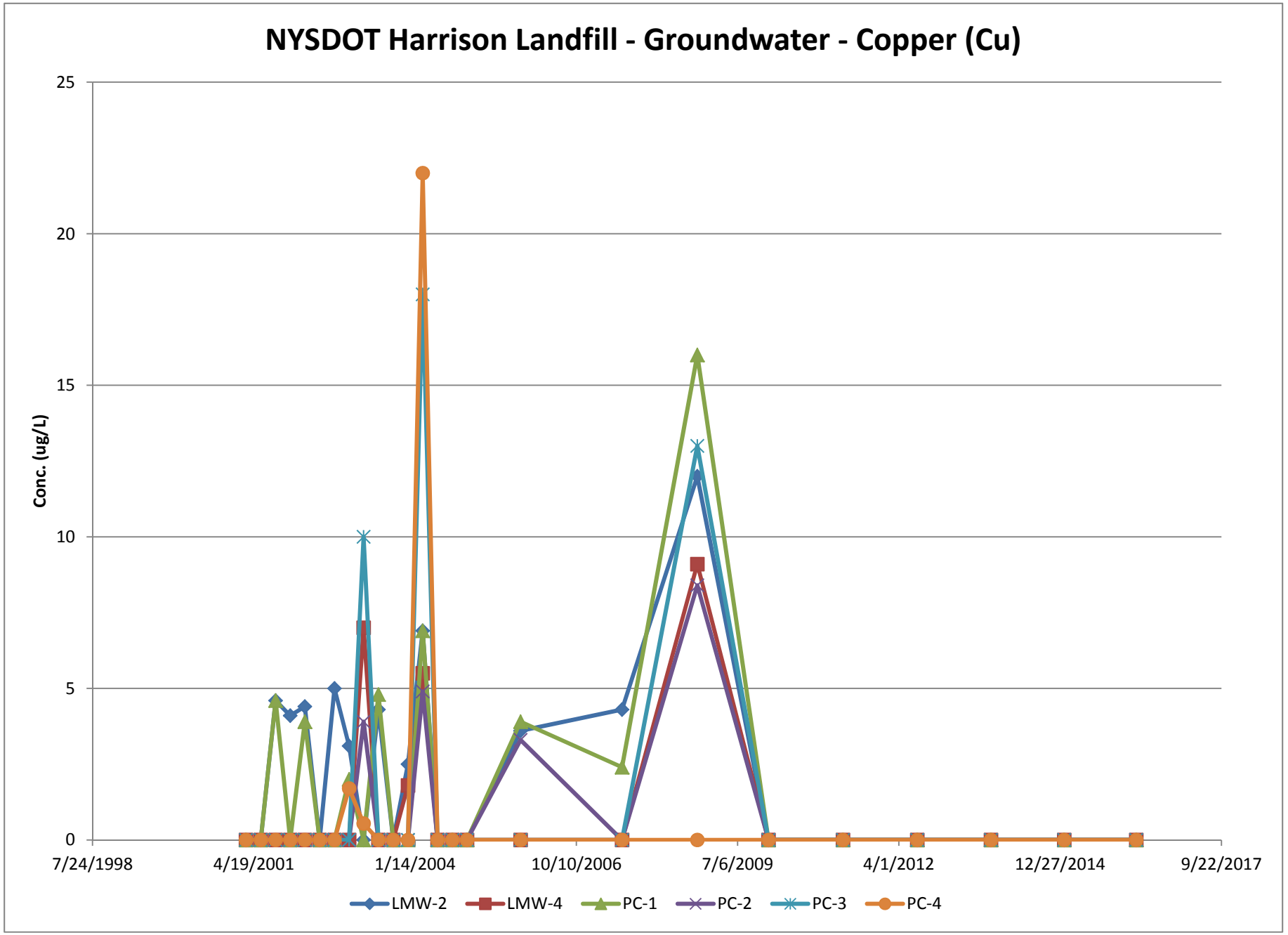
PC-1
PC-2
PC-3
PC-4


NYSDOT Harrison Landfill - Groundwater - Copper (Cu)
Conc. (ug/L)
25
20
15
10
5
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
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12/27/2014
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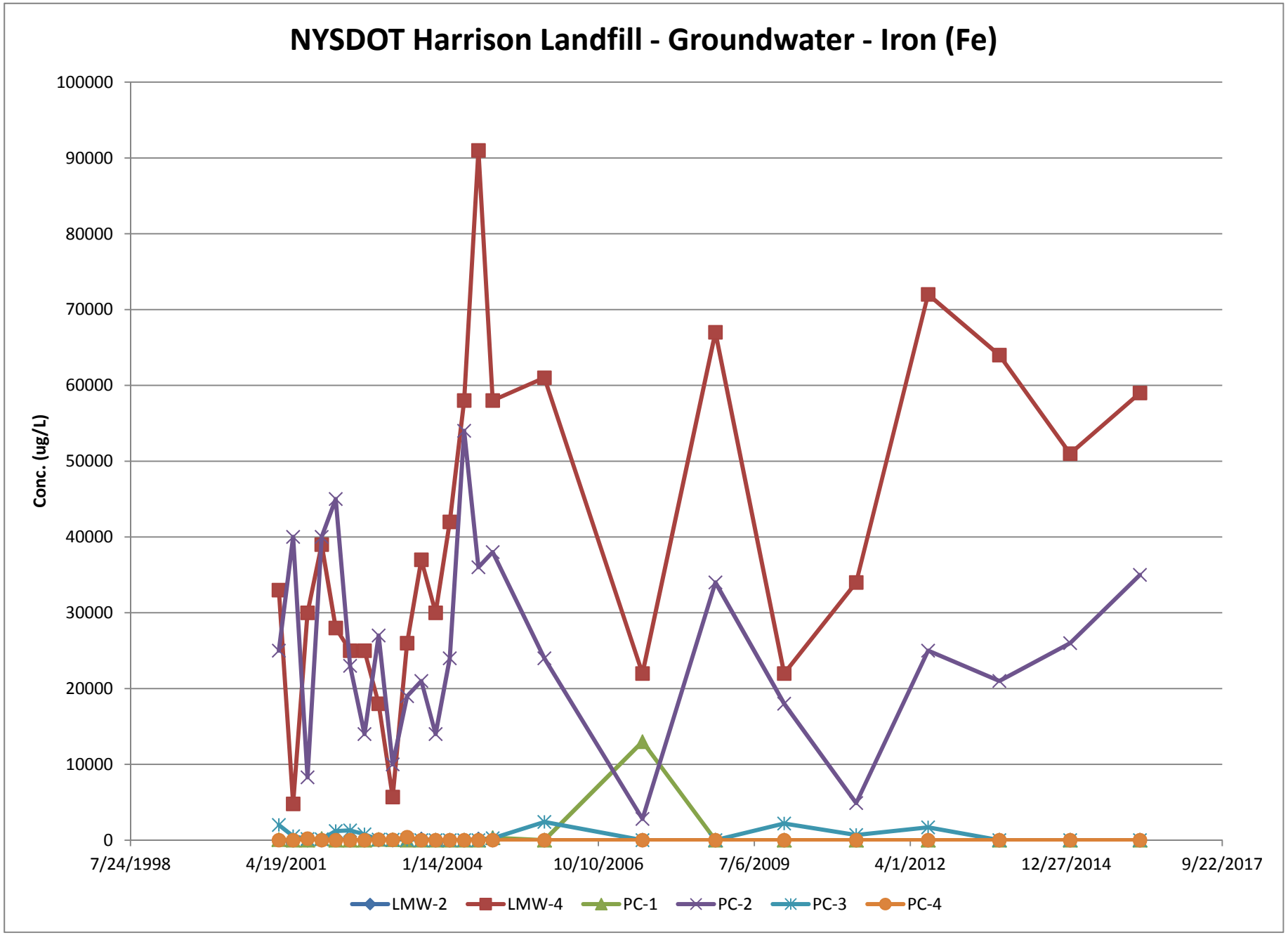
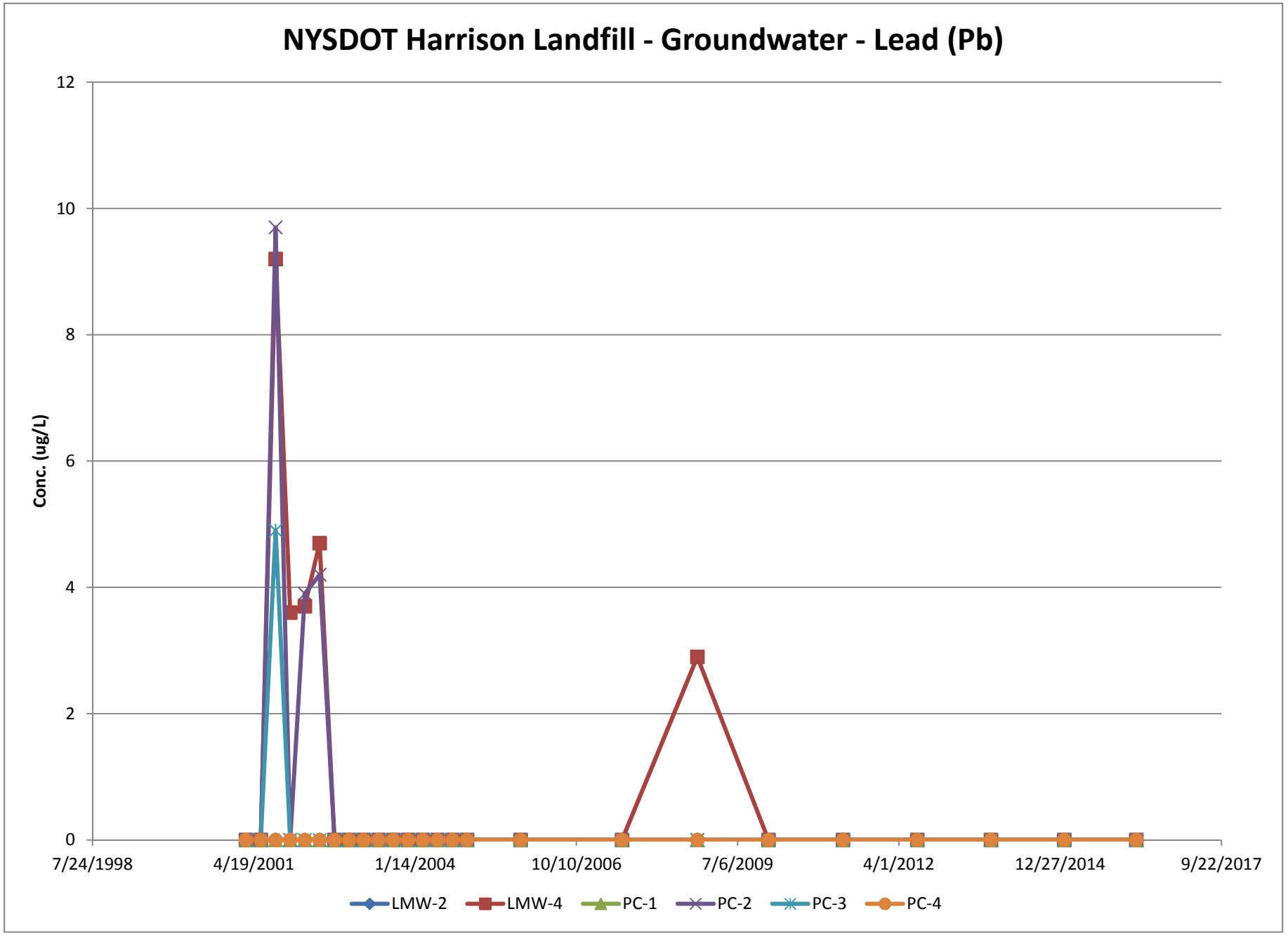
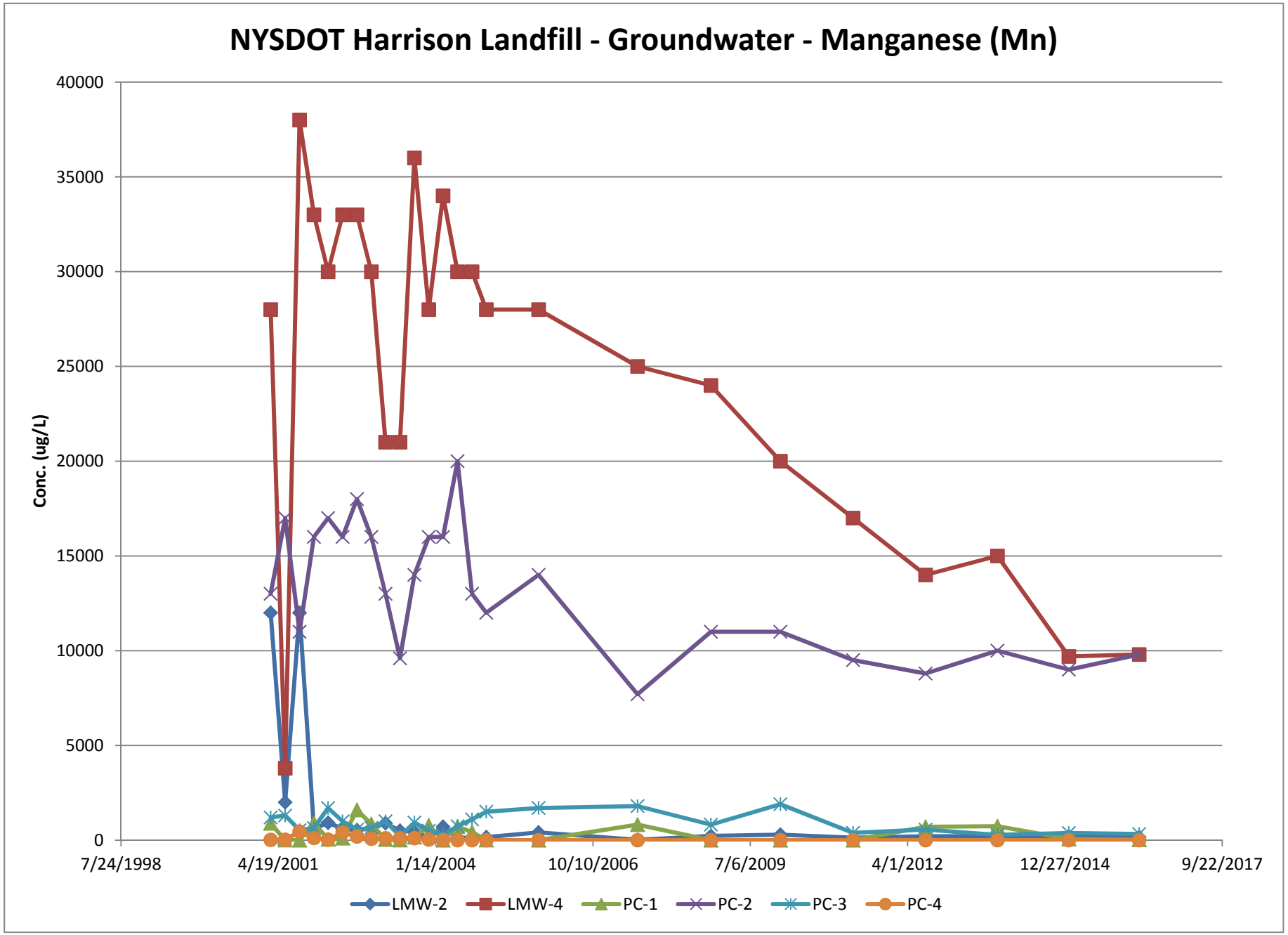
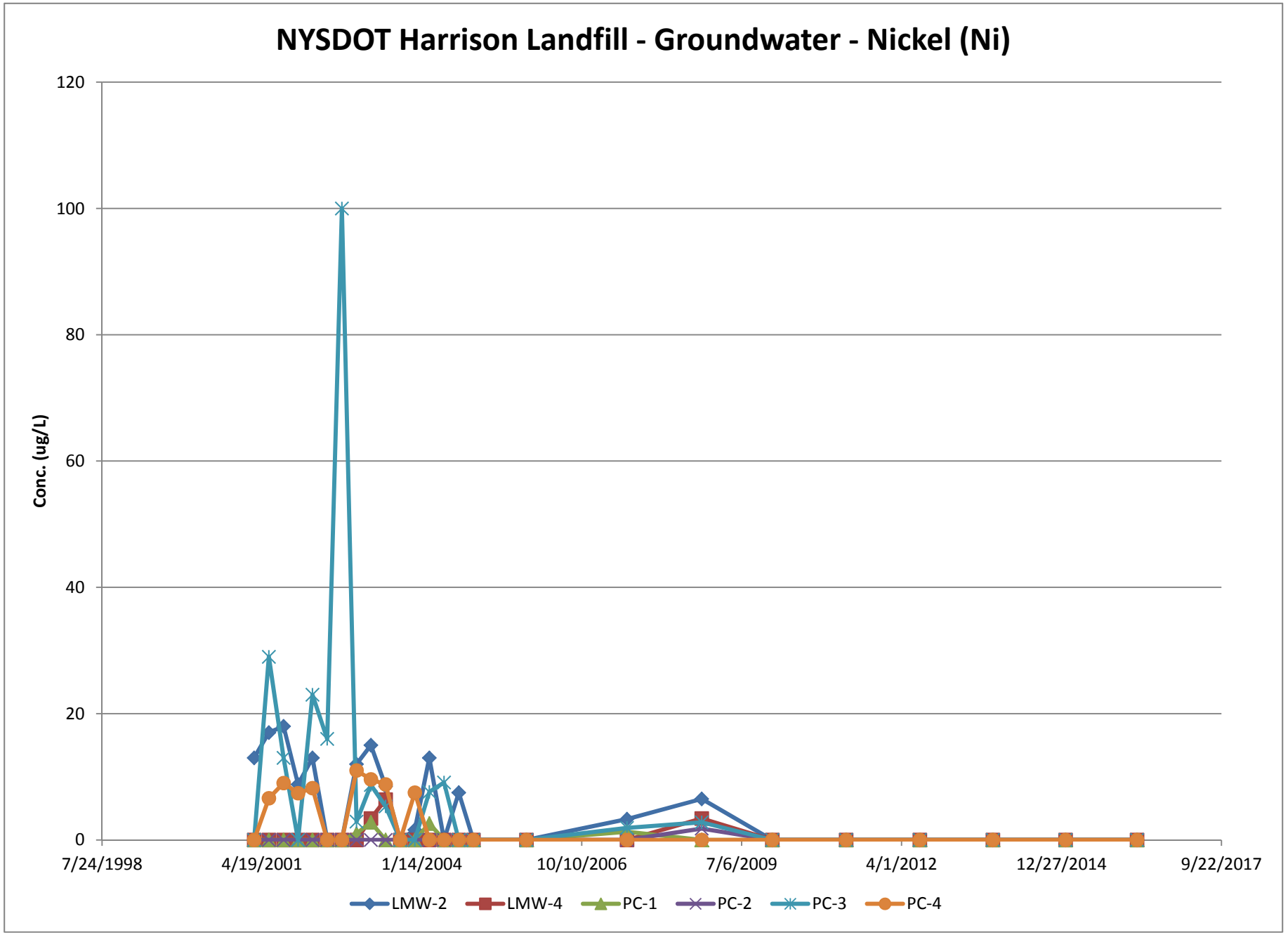
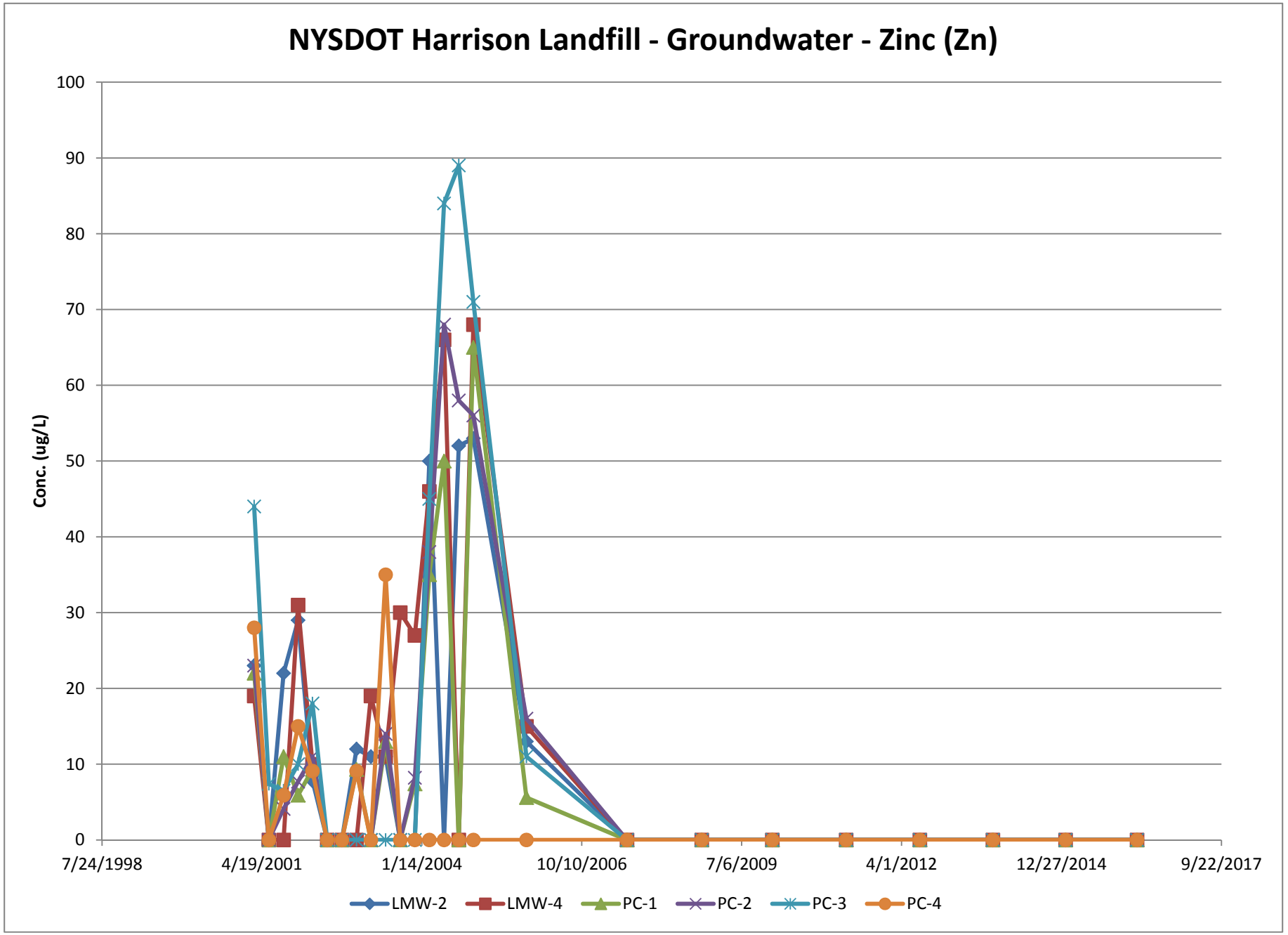
LMW-4
PC-1
PC-2
PC-3
PC-4


NYSDOT Harrison Landfill - Groundwater - Iron (Fe)
Conc. (ug/L)
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
LMW-4
PC-1
PC-2
PC-3
PC-4


NYSDOT Harrison Landfill - Groundwater - Lead (Pb)
Conc. (ug/L)
12
10
8
6
4
2
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
LMW-4
PC-1
PC-2
PC-3
PC-4


NYSDOT Harrison Landfill - Groundwater - Manganese (Mn)
Conc. (ug/L)
40000
35000
30000
25000
20000
15000
10000
5000
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
LMW-4
PC-1
PC-2
PC-3
PC-4


NYSDOT Harrison Landfill - Groundwater - Nickel (Ni)
Conc. (ug/L)
120
100
80
60
40
20
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
LMW-4
PC-1
PC-2
PC-3
PC-4


NYSDOT Harrison Landfill - Groundwater - Zinc (Zn)
Conc. (ug/L)
100
90
80
70
60
50
40
30
20
10
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
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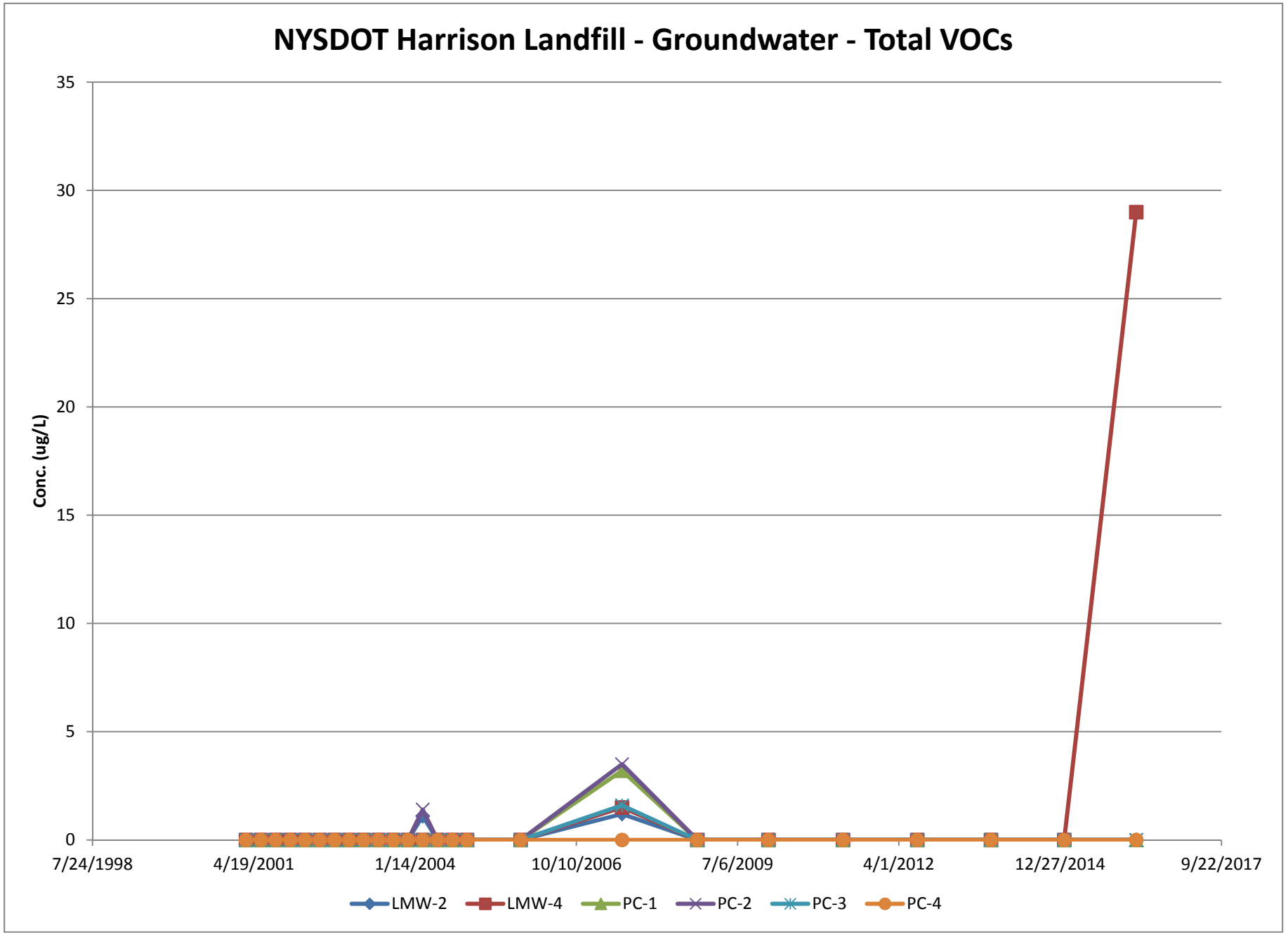
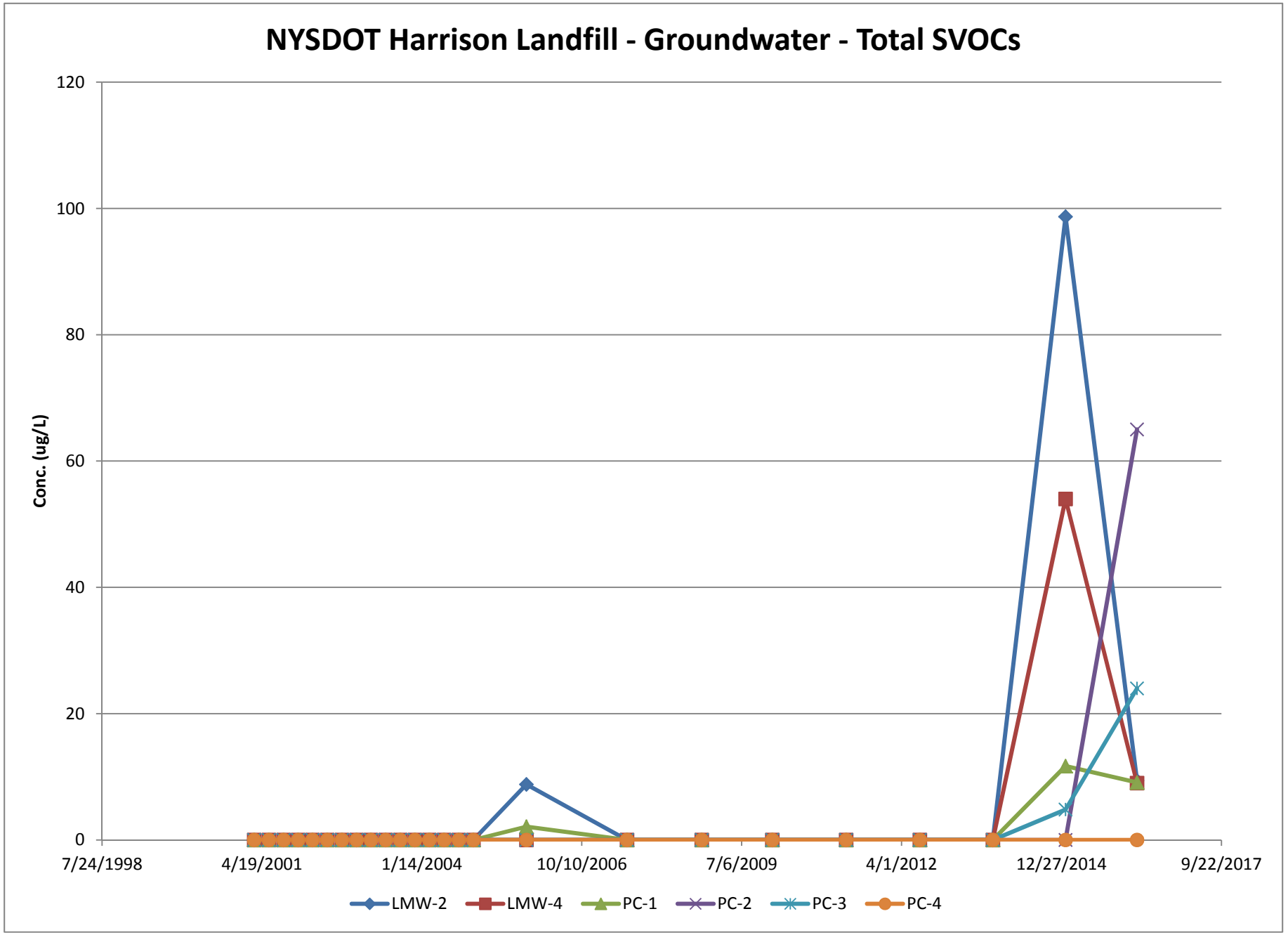
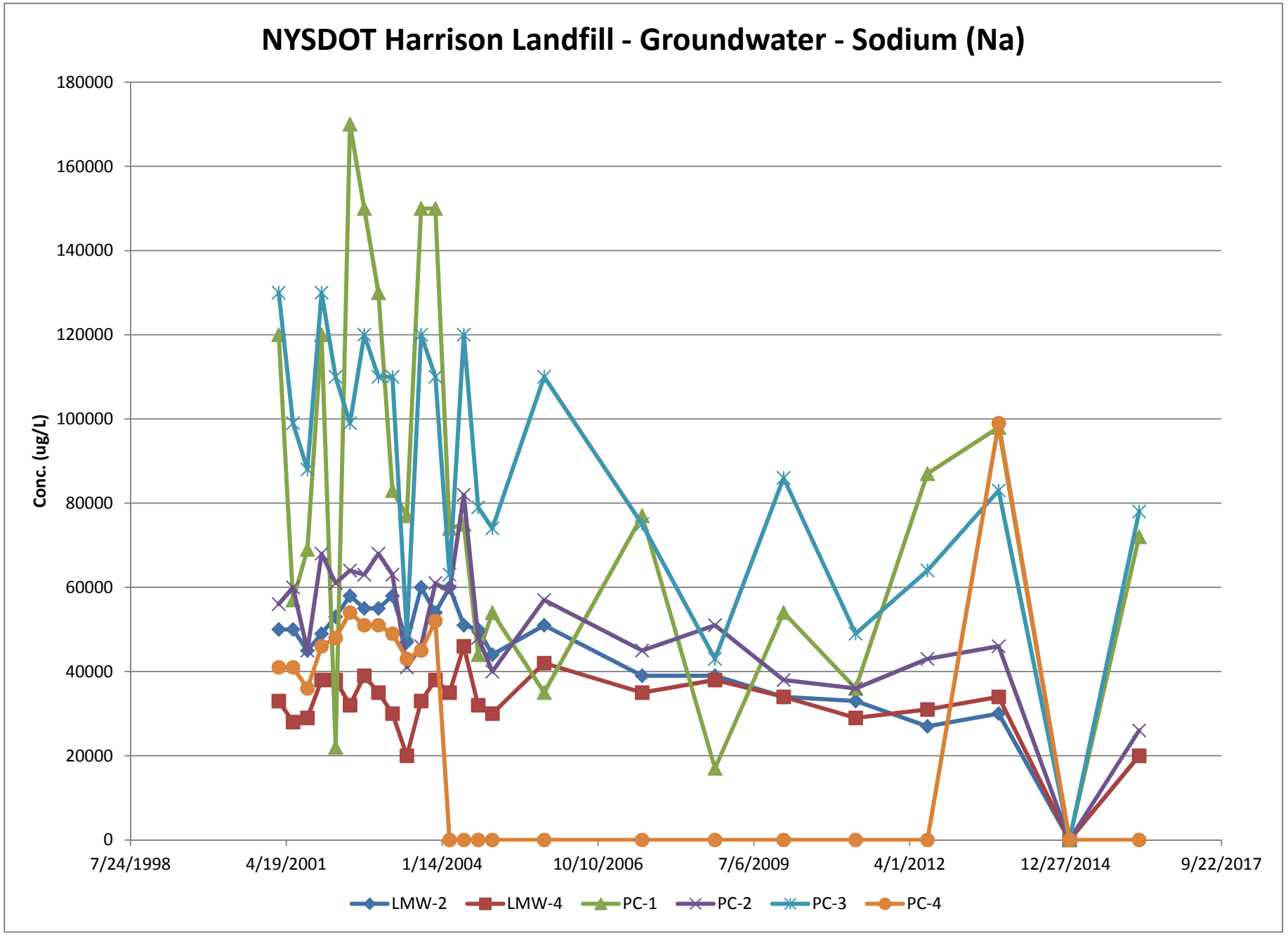
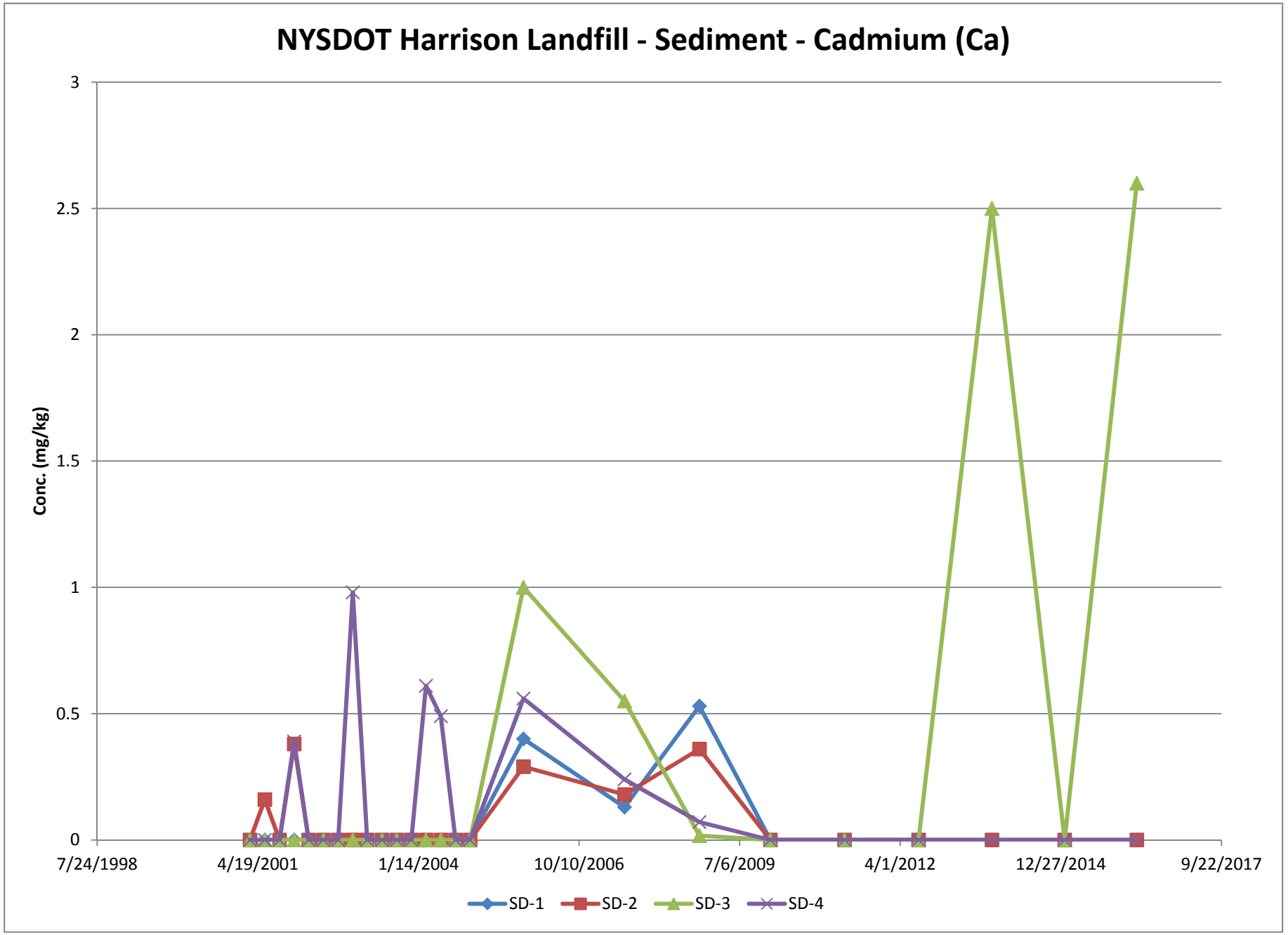
PC-1
PC-2
PC-3
PC-4

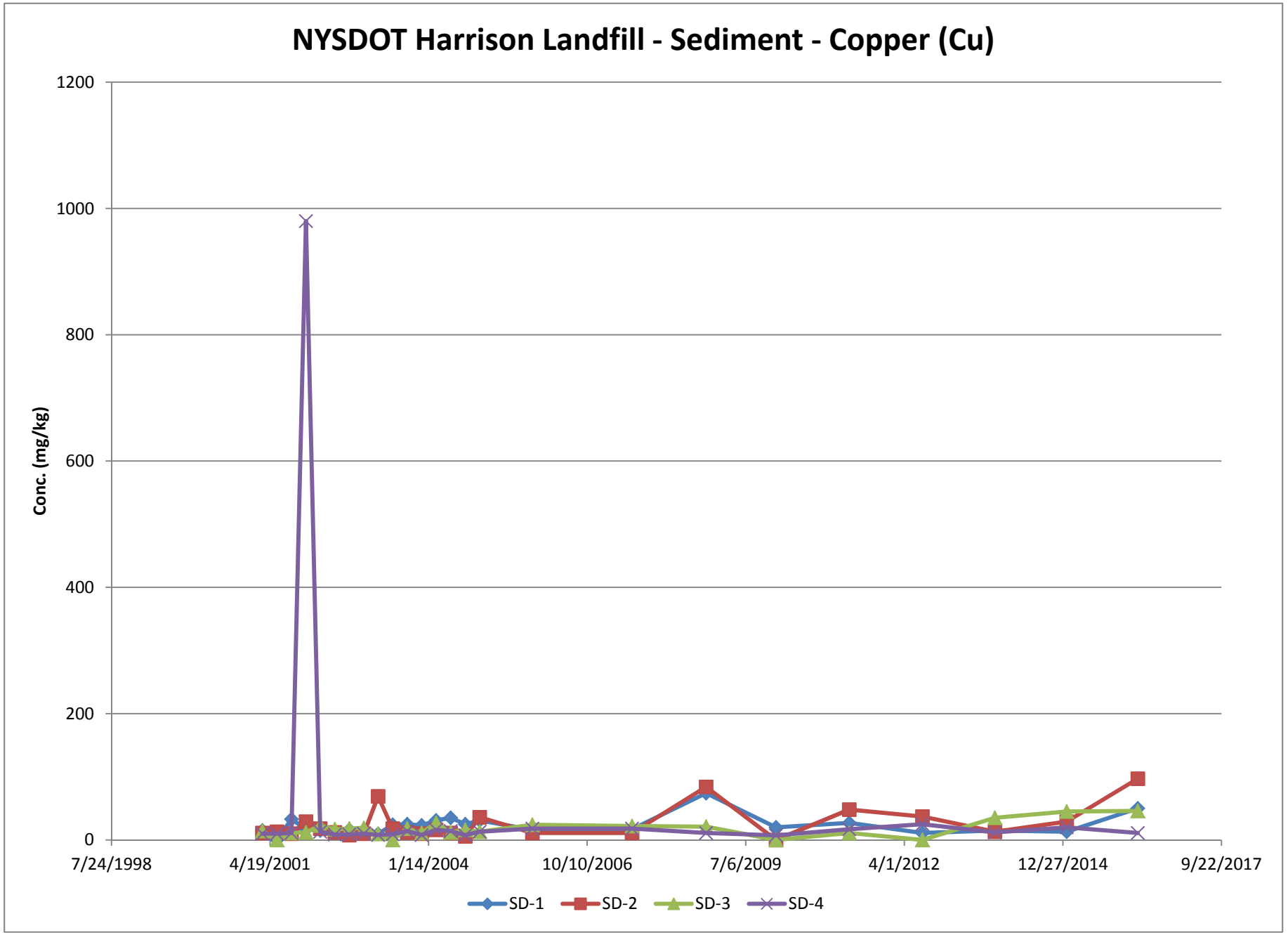

NYSDOT Harrison Landfill - Groundwater - Total VOCs
Conc. (ug/L)
35
30
25
20
15
10
5
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
LMW-4
PC-1
PC-2
PC-3
PC-4

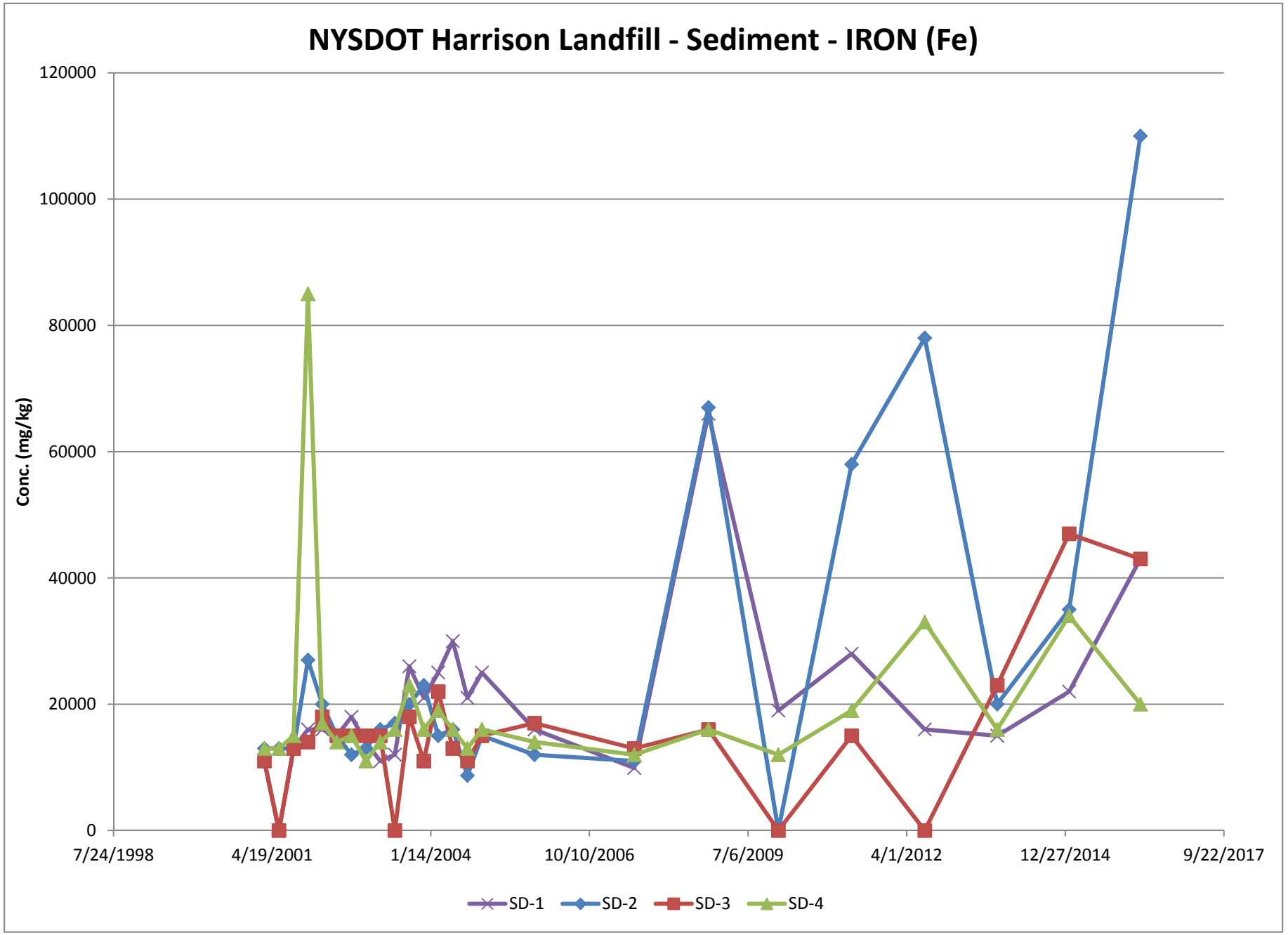

NYSDOT Harrison Landfill - Groundwater - Total SVOCs
120
100
80
60
40
20
0
Conc. (ug/L)
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
LMW-4
PC-1
PC-2
PC-3
PC-4

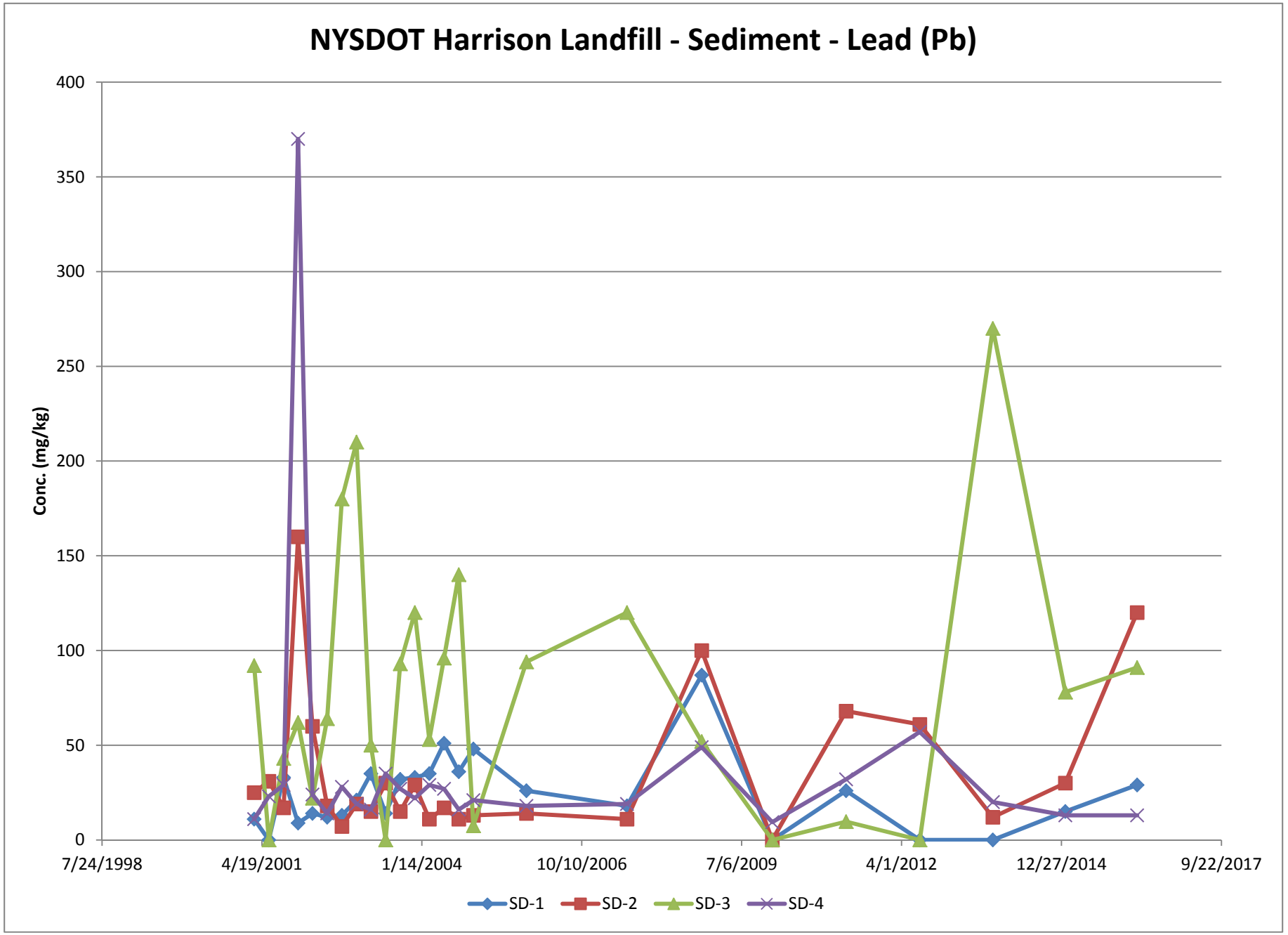

NYSDOT Harrison Landfill - Groundwater - Sodium (Na)
Conc. (ug/L)
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
LMW-2
LMW-4
PC-1
PC-2
PC-3
PC-4

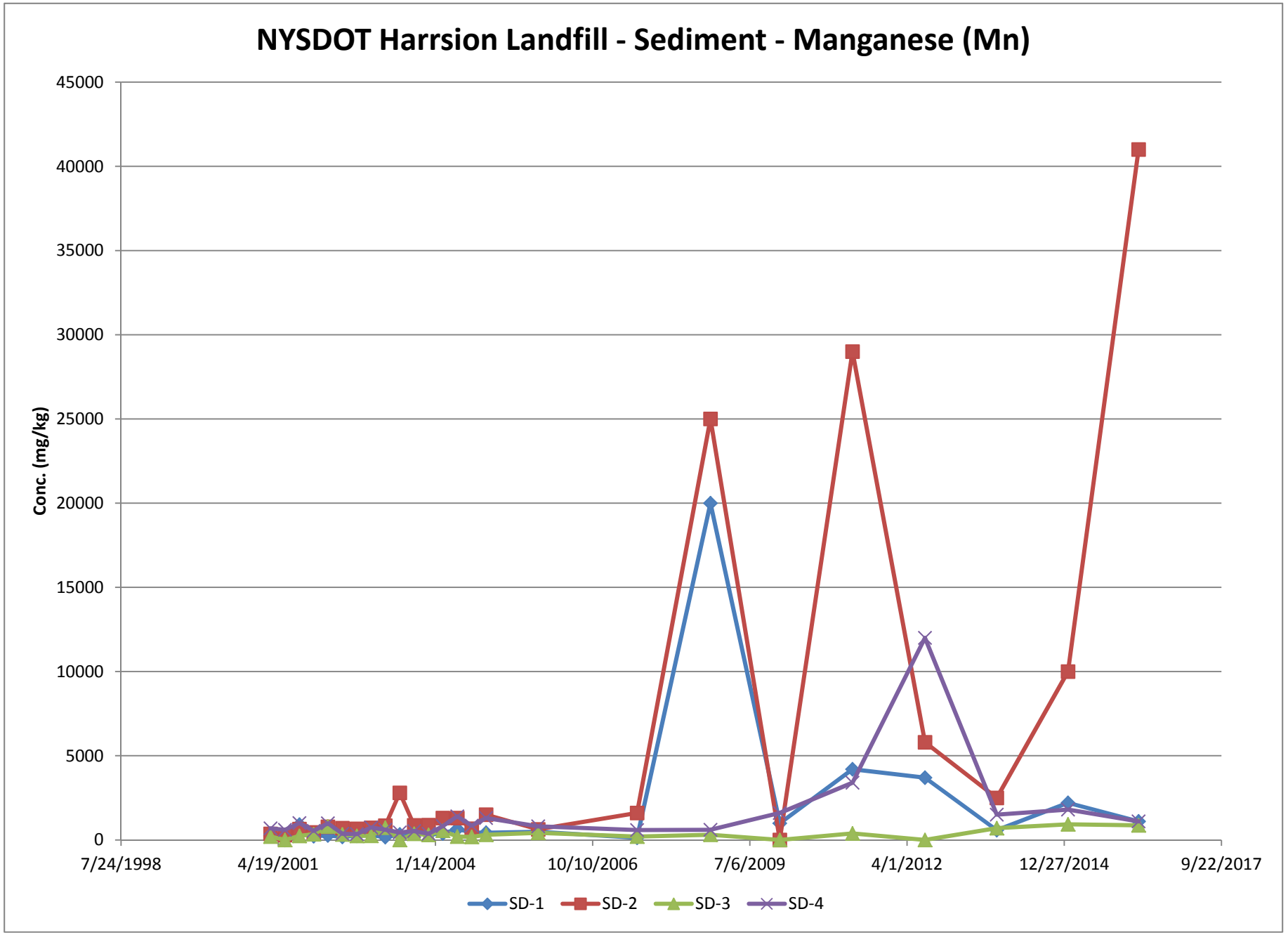
SEDIMENT TRENDS

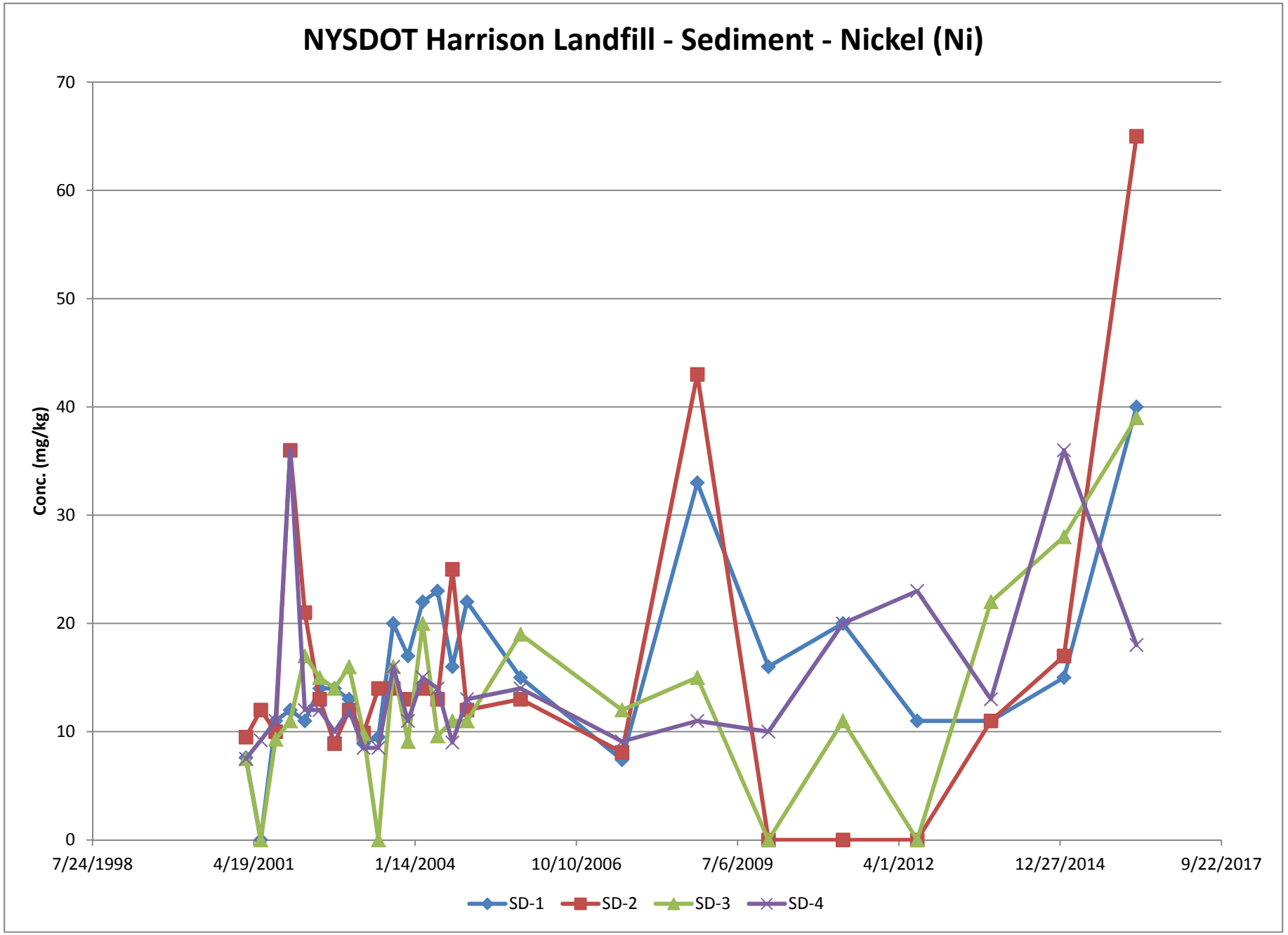

NYSDOT Harrison Landfill - Sediment - Cadmium (Ca)
Conc. (mg/kg)
3
2.5
2
1.5
1
0.5
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4

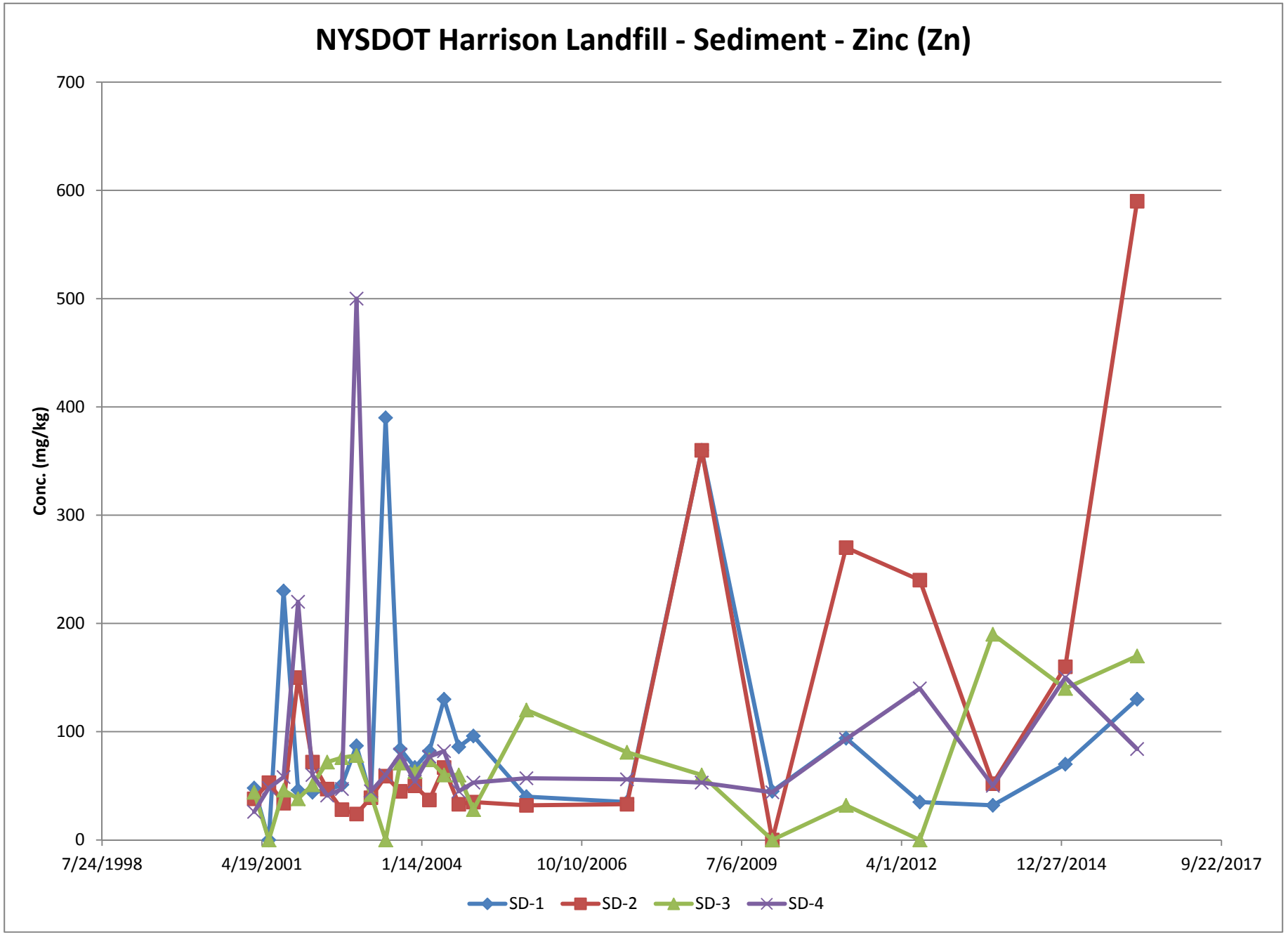

NYSDOT Harrison Landfill - Sediment - Copper (Cu)
Conc. (mg/kg)
1200
1000
800
600
400
200
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4

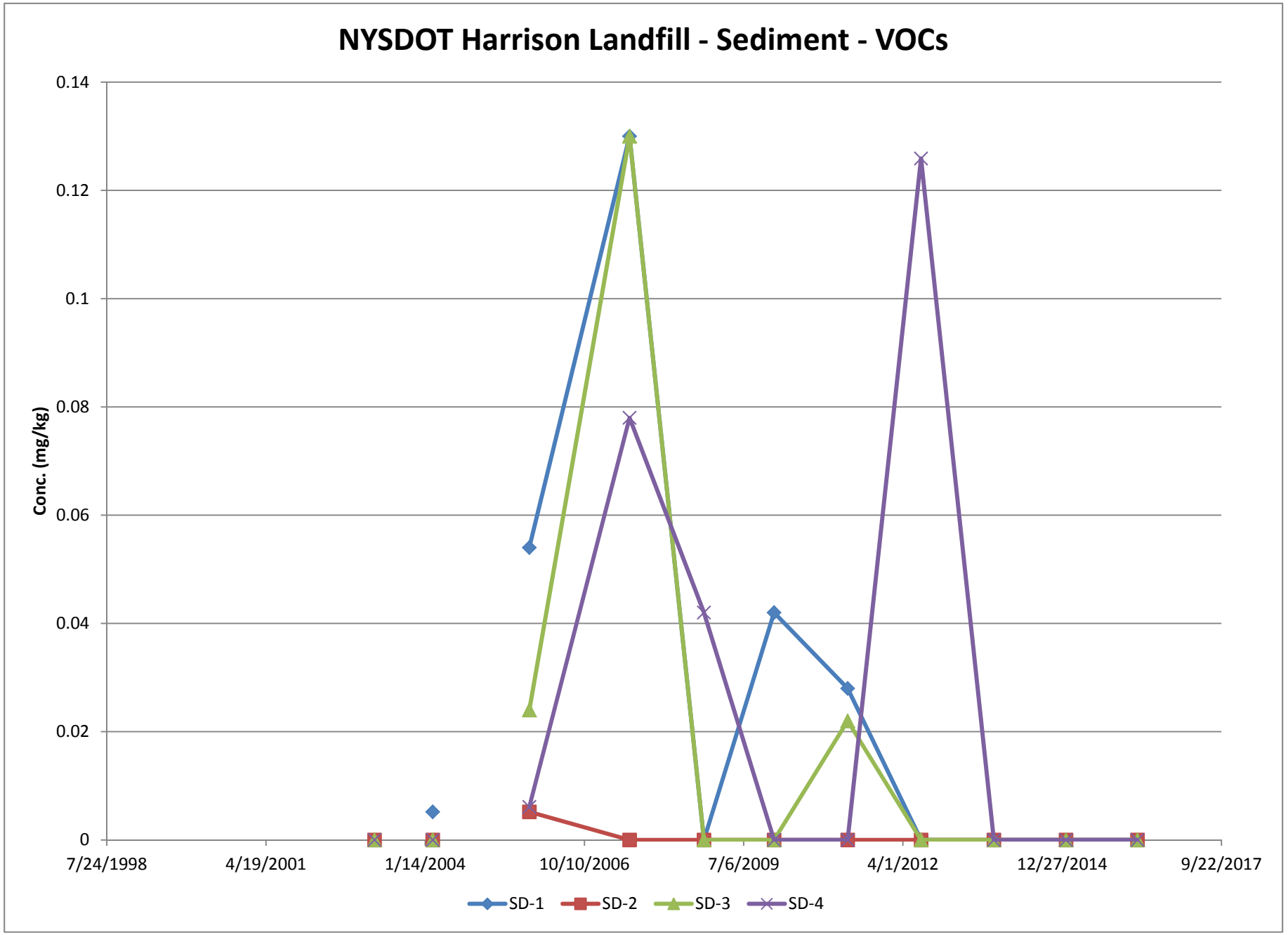

NYSDOT Harrison Landfill - Sediment - IRON (Fe)
120000
100000
80000
60000
40000
20000
0
Conc. (mg/kg)
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4

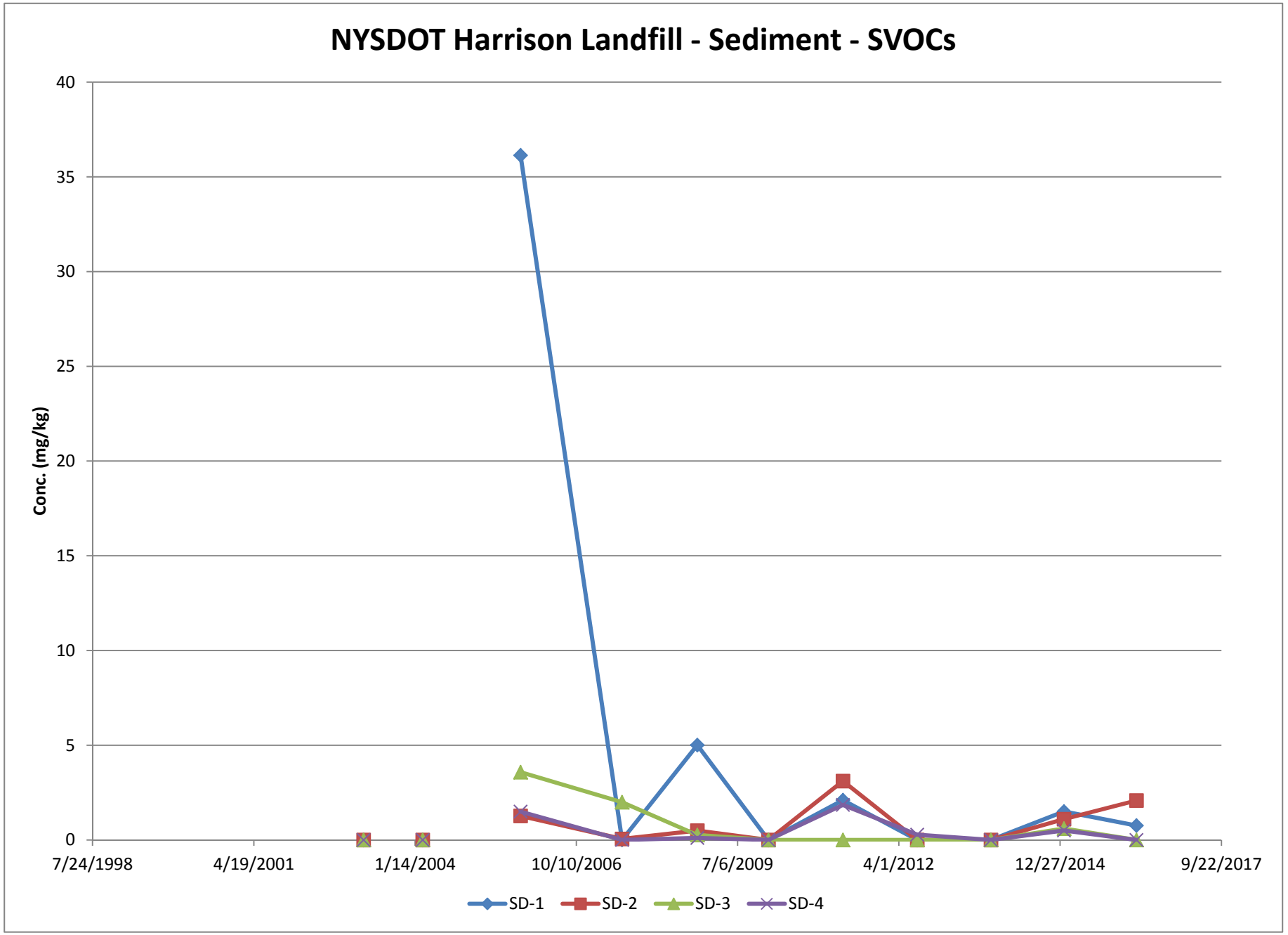

NYSDOT Harrison Landfill - Sediment - Lead (Pb)
Conc. (mg/kg)
400
350
300
250
200
150
100
50
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4


NYSDOT Harrsion Landfill - Sediment - Manganese (Mn)
Conc. (mg/kg)
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4

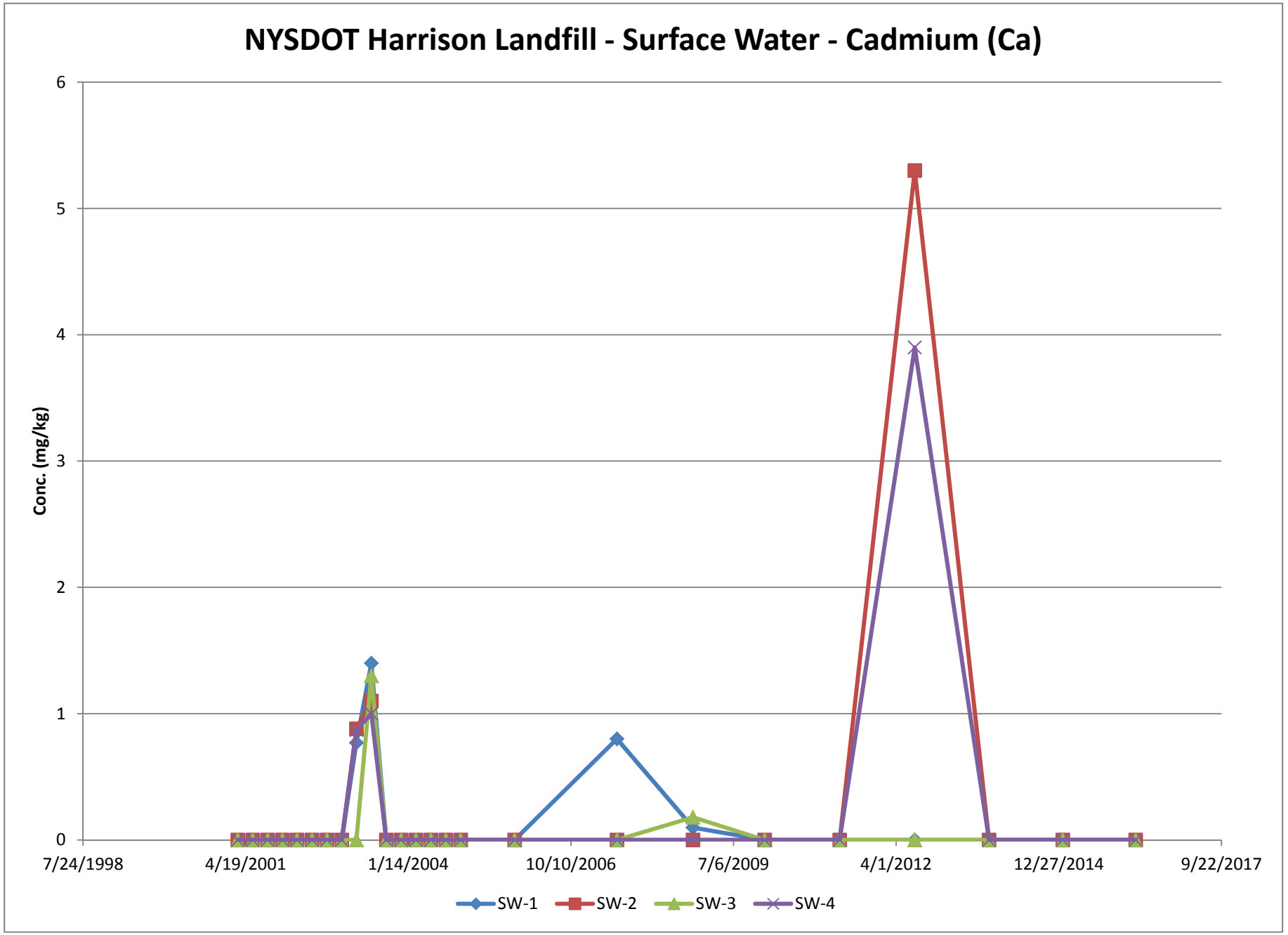

NYSDOT Harrison Landfill - Sediment - Nickel (Ni)
Conc. (mg/kg)
70
60
50
40
30
20
10
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4

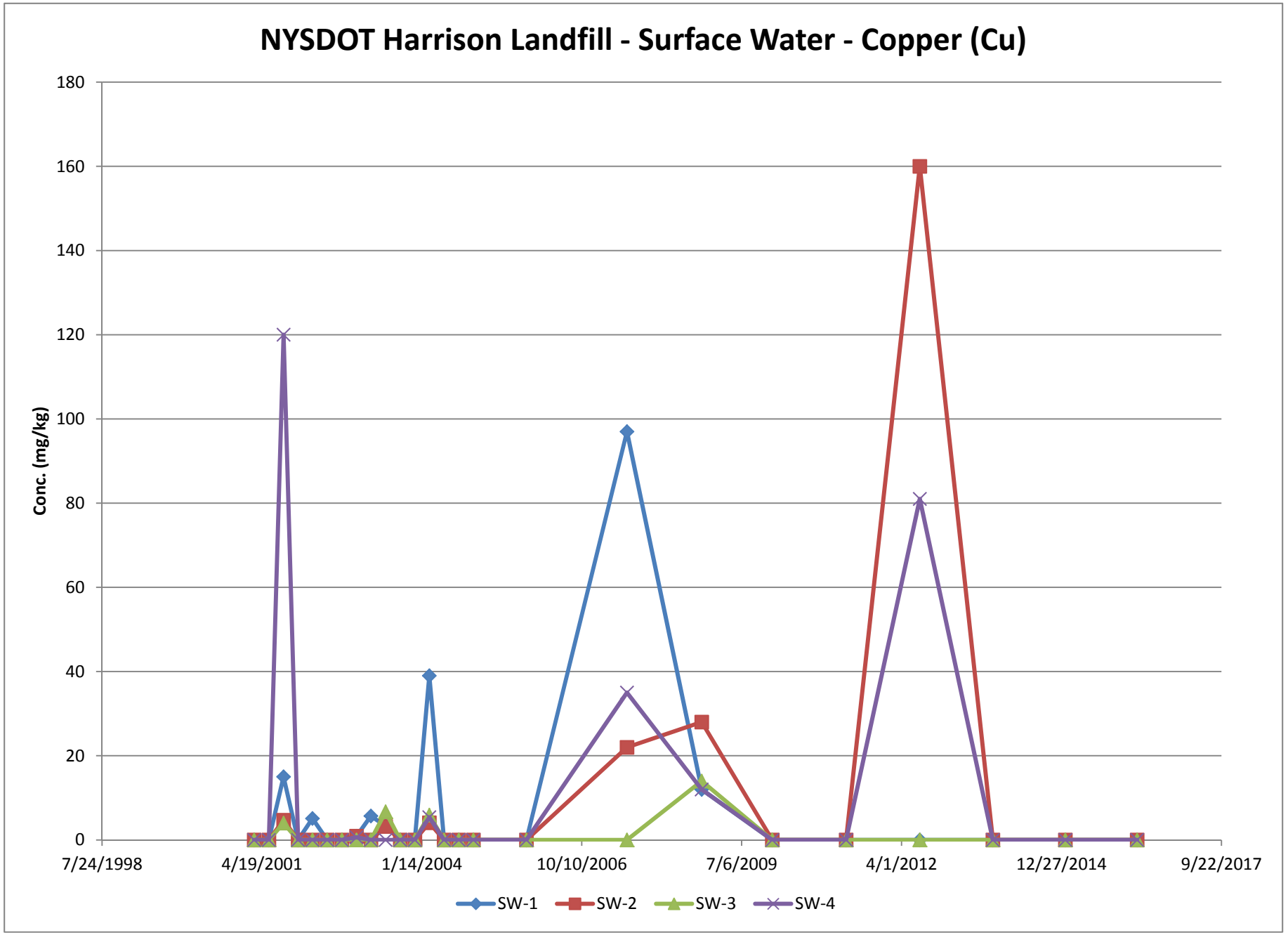

NYSDOT Harrison Landfill - Sediment - Zinc (Zn)
Conc. (mg/kg)
700
600
500
400
300
200
100
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4

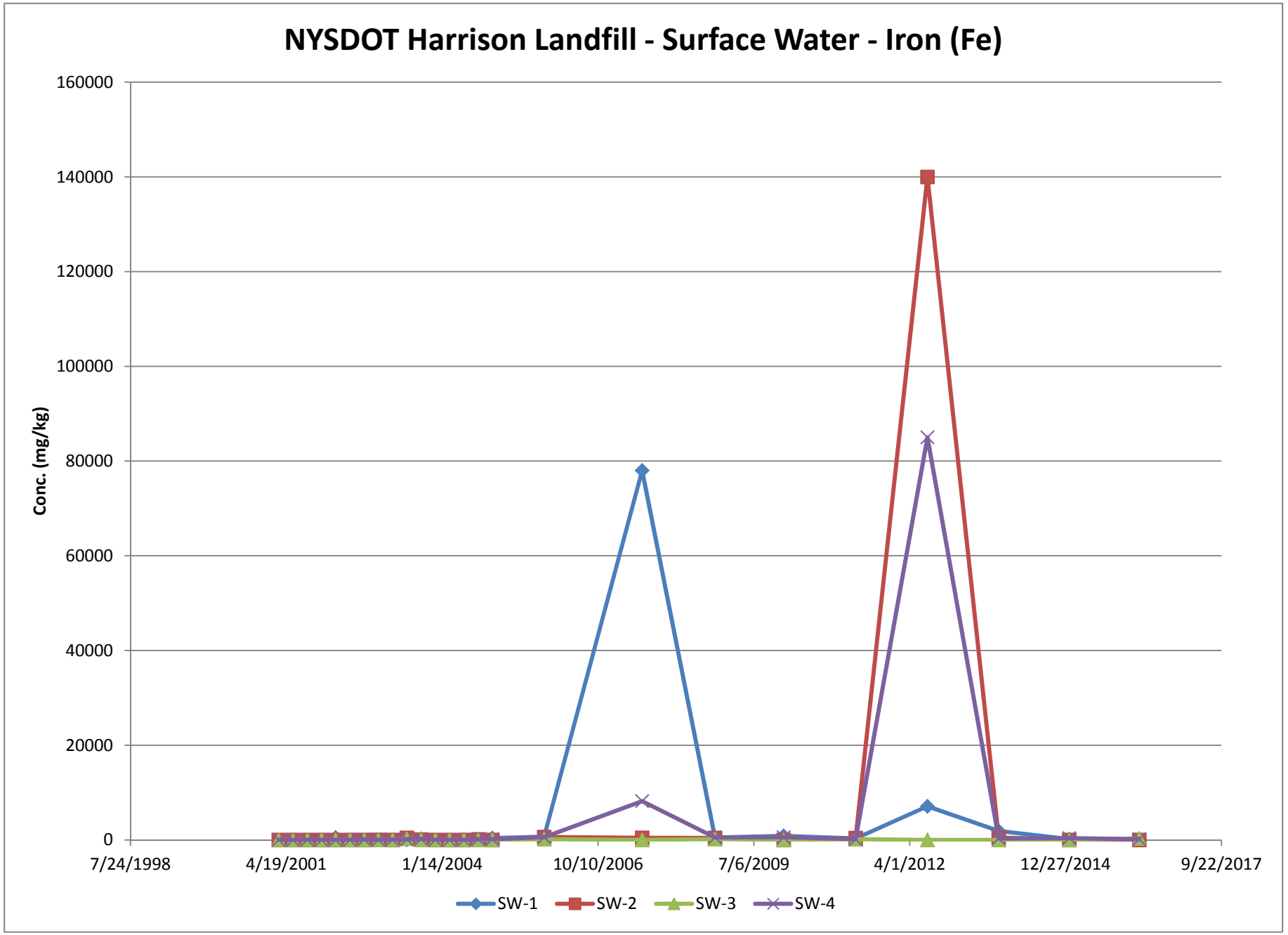

NYSDOT Harrison Landfill - Sediment - VOCs
Conc. (mg/kg)
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4

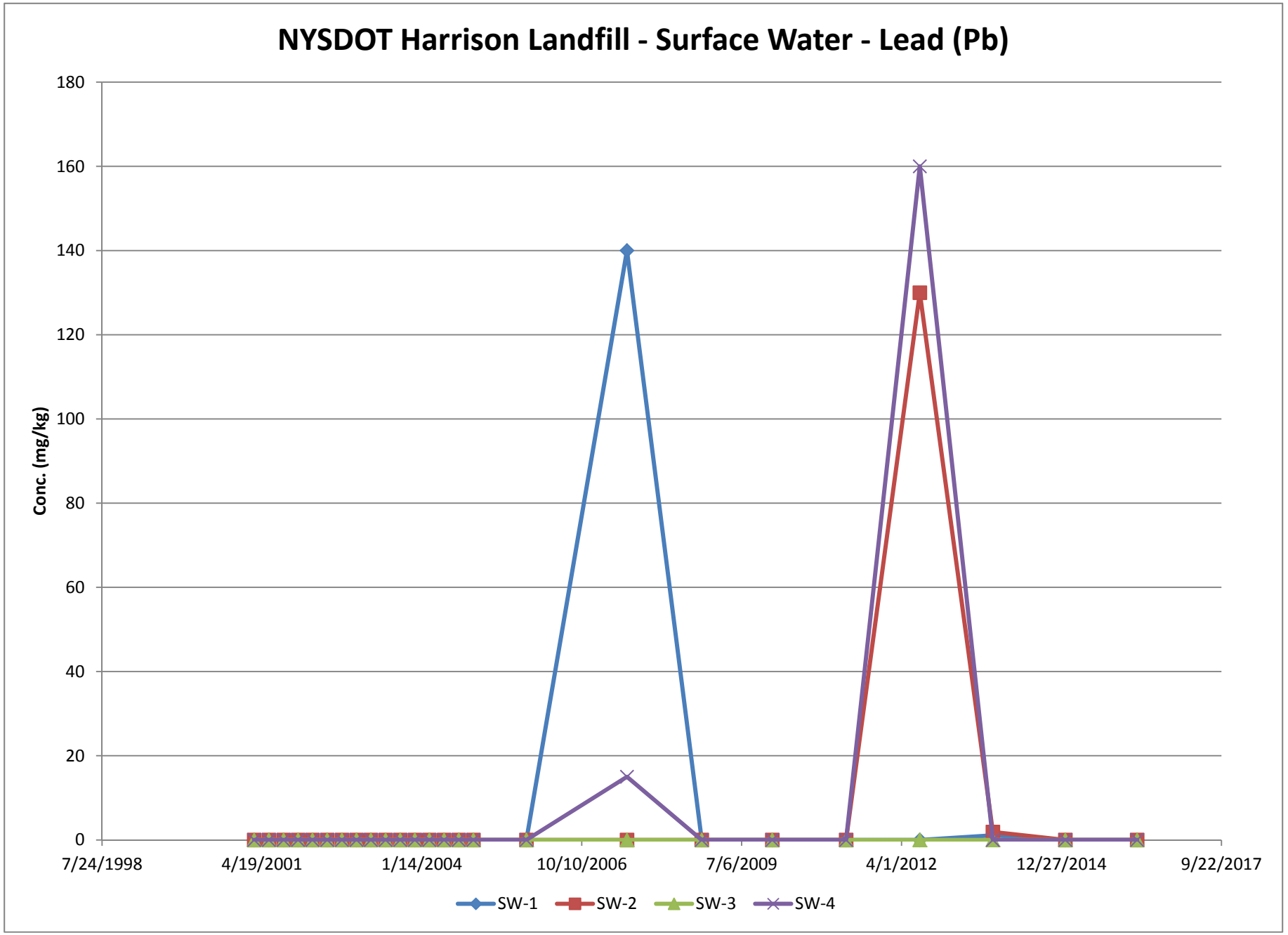

NYSDOT Harrison Landfill - Sediment - SVOCs
Conc. (mg/kg)
40
35
30
25
20
15
10
5
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SD-1
SD-2
SD-3
SD-4

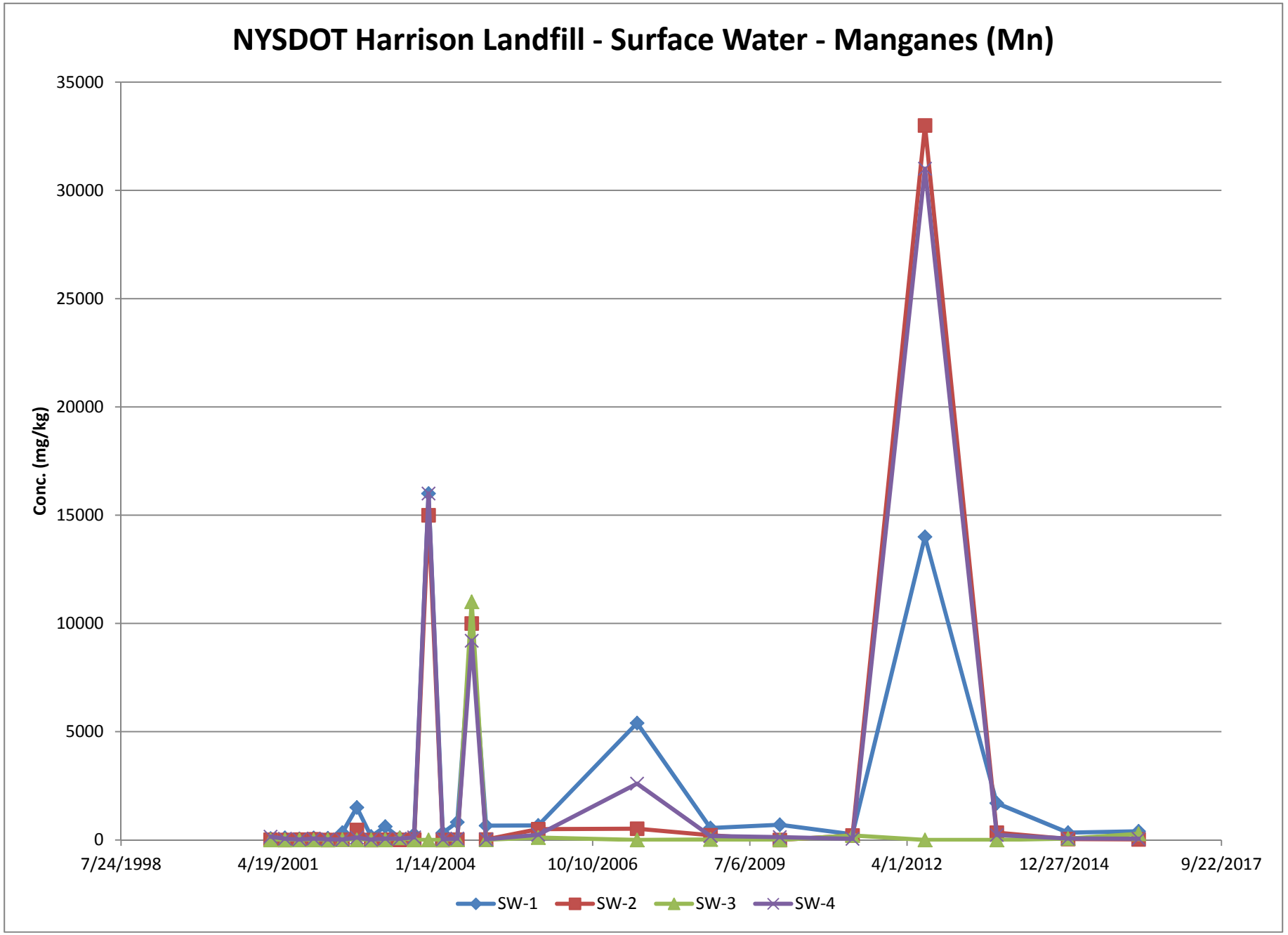
SURFACE WATER TRENDS

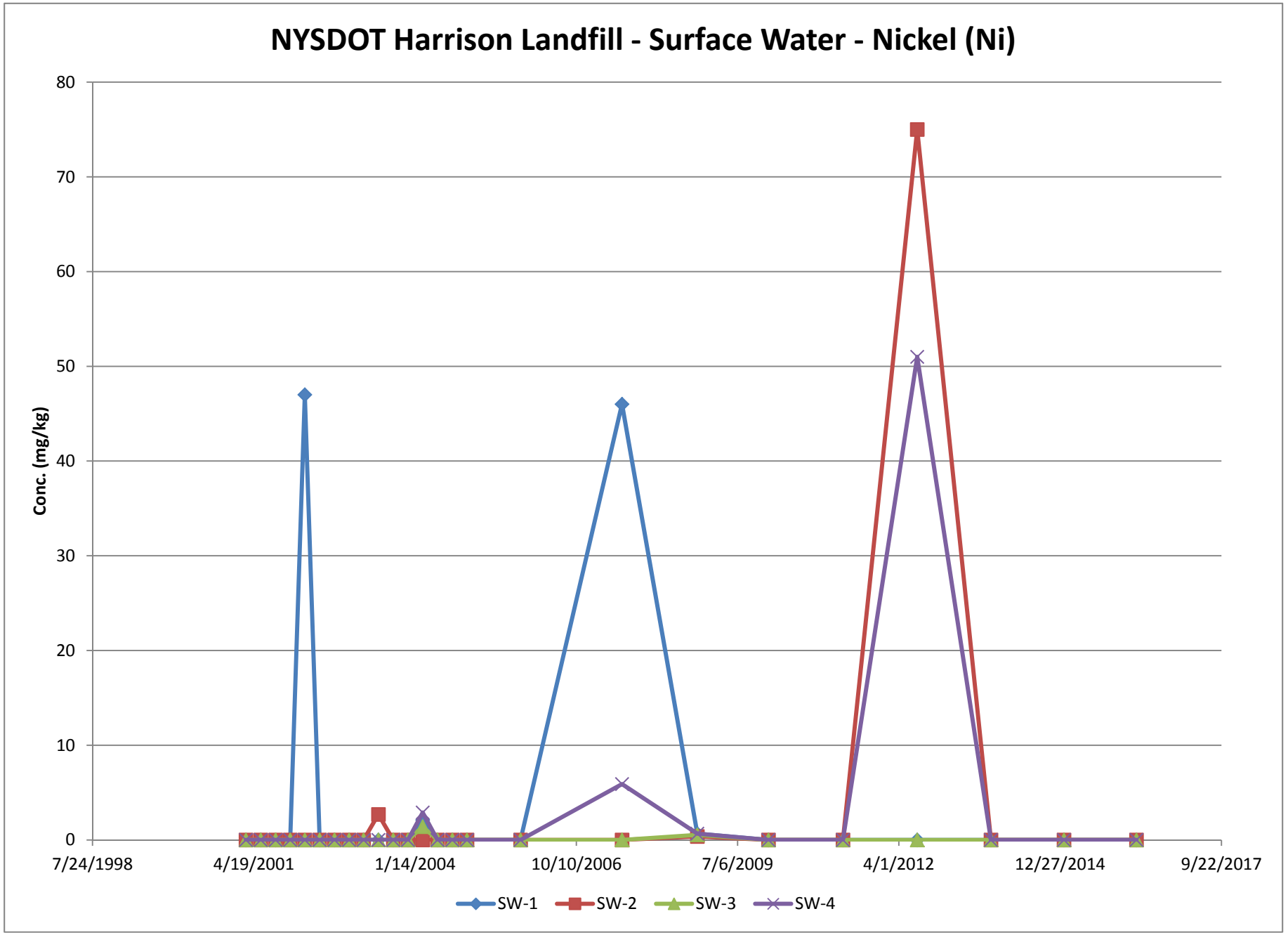

NYSDOT Harrison Landfill - Surface Water - Cadmium (Ca)
Conc. (mg/kg)
6
5
4
3
2
1
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4

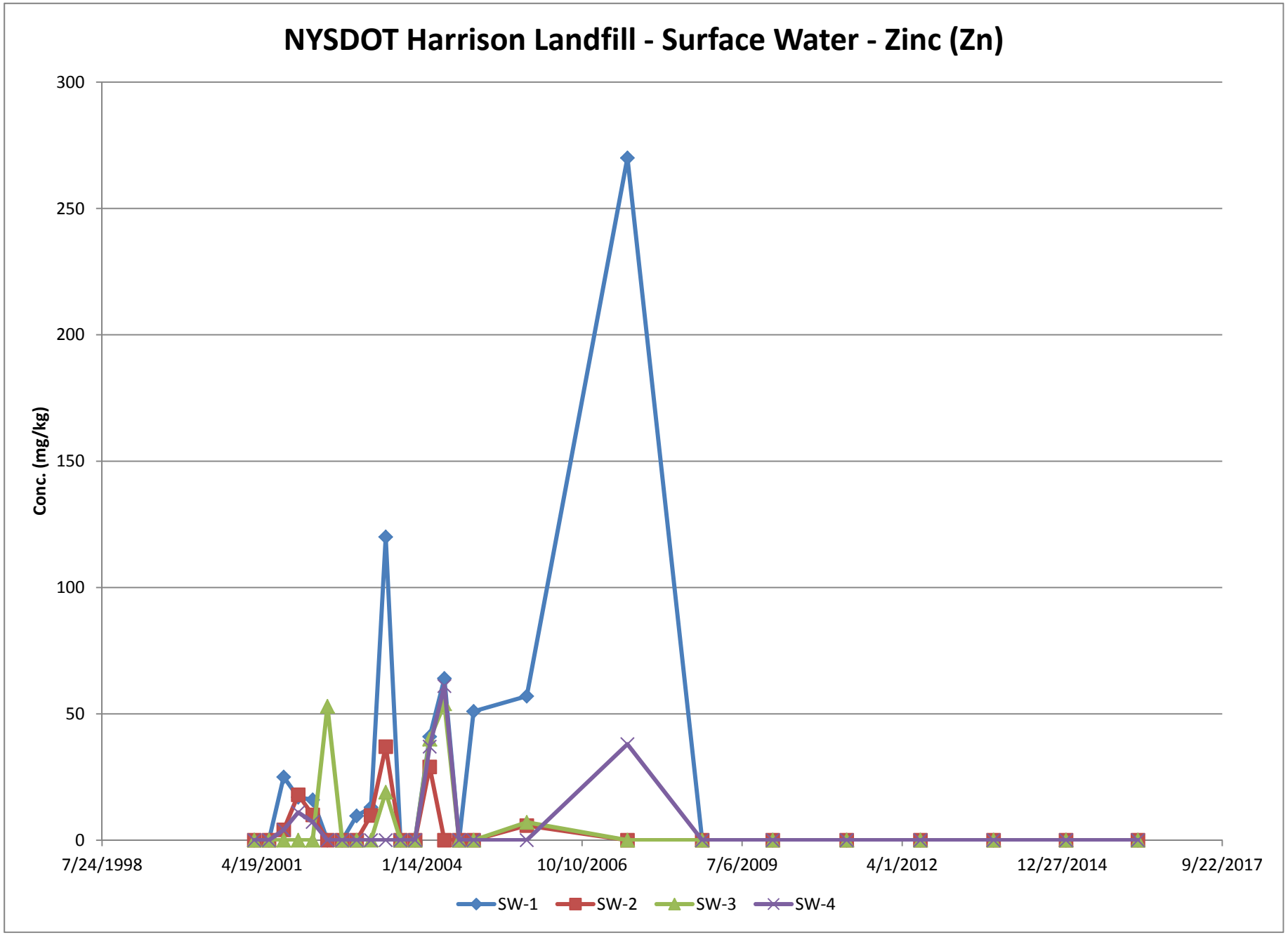

NYSDOT Harrison Landfill - Surface Water - Copper (Cu)
Conc. (mg/kg)
180
160
140
120
100
80
60
40
20
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4

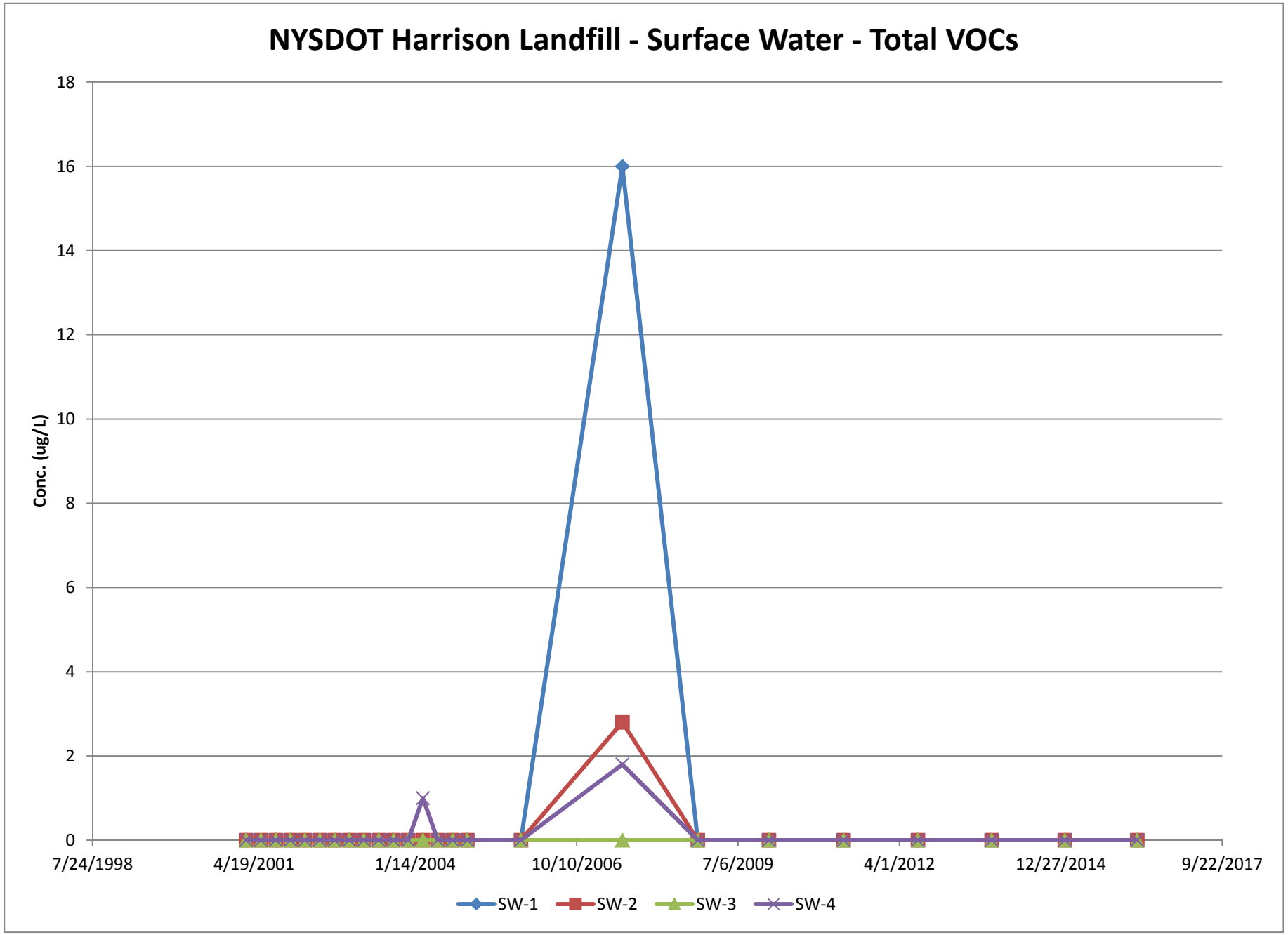

NYSDOT Harrison Landfill - Surface Water - Iron (Fe)
Conc. (mg/kg)
160000
140000
120000
100000
80000
60000
40000
20000
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4

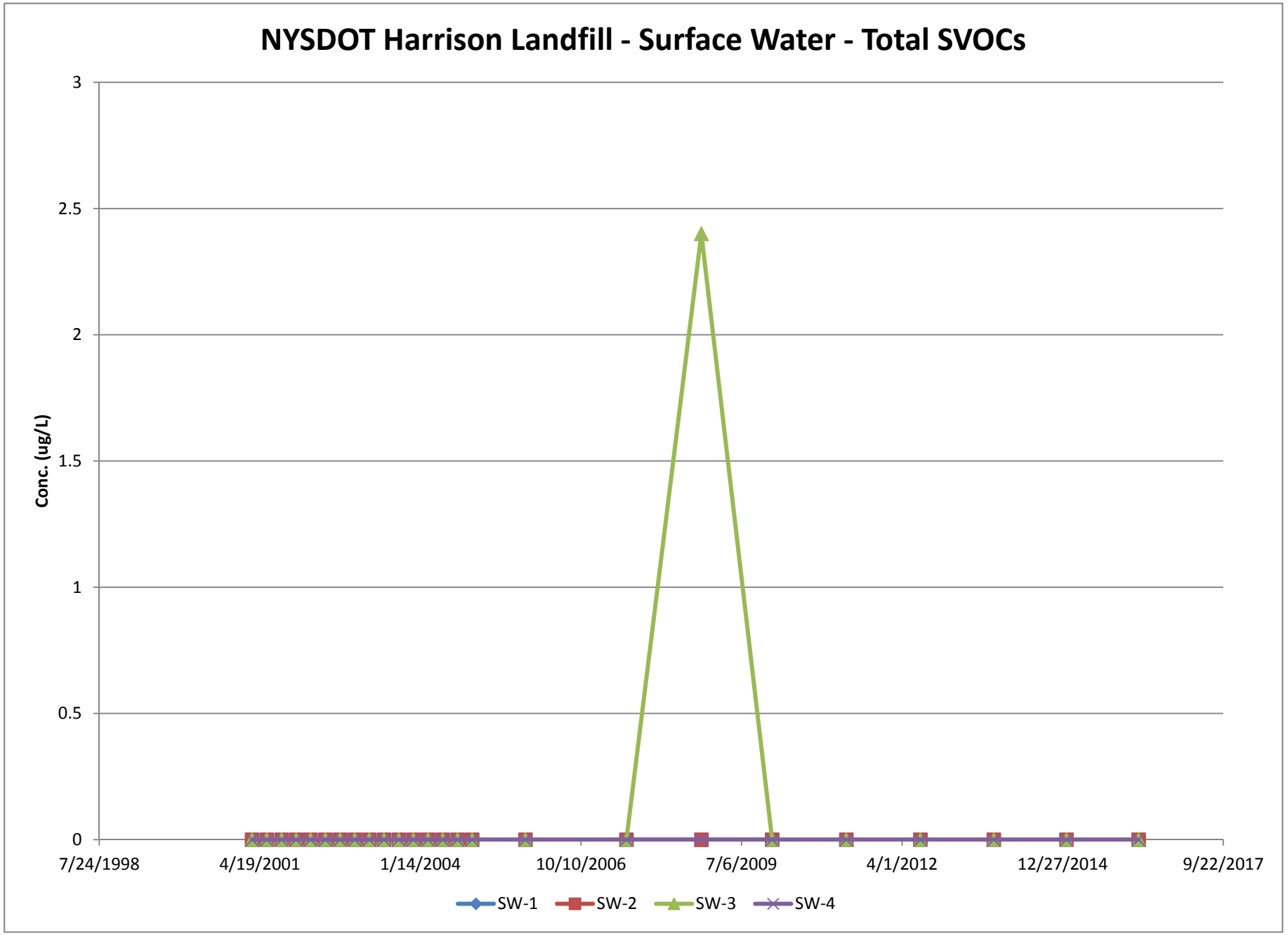

NYSDOT Harrison Landfill - Surface Water - Lead (Pb)
Conc. (mg/kg)
180
160
140
120
100
80
60
40
20
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4


NYSDOT Harrison Landfill - Surface Water - Manganes (Mn)
Conc. (mg/kg)
35000
30000
25000
20000
15000
10000
5000
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4


NYSDOT Harrison Landfill - Surface Water - Nickel (Ni)
Conc. (mg/kg)
80
70
60
50
40
30
20
10
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4


NYSDOT Harrison Landfill - Surface Water - Zinc (Zn)
Conc. (mg/kg)
300
250
200
150
100
50
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4


NYSDOT Harrison Landfill - Surface Water - Total VOCs
Conc. (ug/L)
18
16
14
12
10
8
6
4
2
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4


NYSDOT Harrison Landfill - Surface Water - Total SVOCs
Conc. (ug/L)
3
2.5
2
1.5
1
0.5
0
7/24/1998
4/19/2001
1/14/2004
10/10/2006
7/6/2009
4/1/2012
12/27/2014
9/22/2017
SW-1
SW-2
SW-3
SW-4

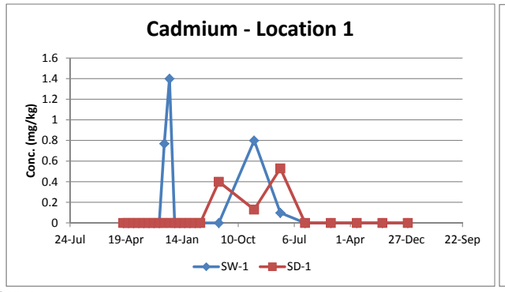
SURFACE WATER-SEDIMENT TRENDS

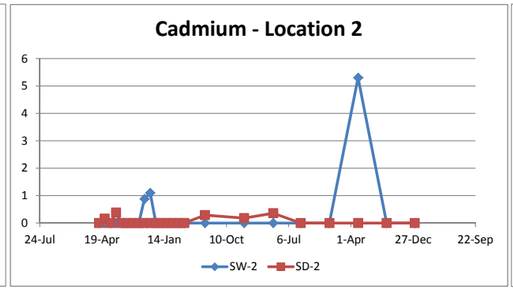
NYSDOT HARRISON LANDFILL

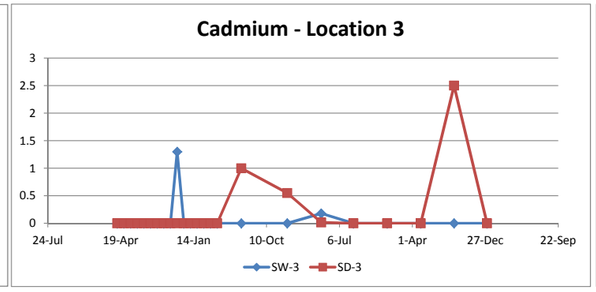
SURFACE WATER/SEDIMENT Notes: ND - Not Detected; "*" - Not Analyzed

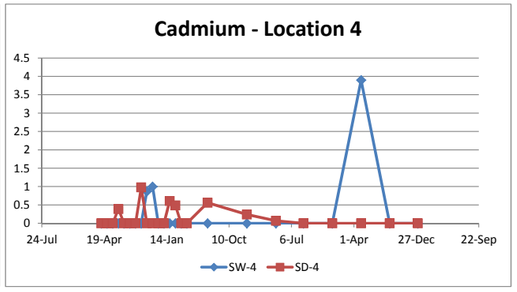
Cadmium

	3/1/2001	6/1/2001	9/1/2001	12/1/2001	3/1/2002	6/1/2002	9/1/2002	12/1/2002	3/1/2003	6/1/2003	9/1/2003	12/1/2003	3/1/2004	6/1/2004	9/1/2004	12/1/2004	10/29/2005	7/20/2007	10/29/2008	1/13/2010	4/20/2011	7/24/2012	10/24/2013	1/20/2015
SW-1	ND	ND	ND	ND	ND	ND	ND	ND	0.77	1.4	ND	ND	ND	ND	ND	ND	ND	0.8	0.098	ND	ND	ND	ND	ND
SW-2	ND	*	ND	ND	ND	ND	ND	ND	0.88	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	ND	5.3	ND	ND
SW-3	*	*	ND	*	*	ND	*	*	*	1.3	*	*	ND	ND	ND	ND	ND	*	0.18	*	ND	*	*	ND
SW-4	ND	ND	ND	ND	ND	ND	ND	ND	0.87	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.9	ND	ND
SD-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.40	0.13	0.53	ND	ND	ND	ND	ND
SD-2	ND	0.16	ND	0.38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.29	0.18	0.36	*	ND	ND	ND	ND
SD-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.00	0.55	0.017	*	ND	*	2.5	ND
SD-4	ND	ND	ND	0.39	ND	ND	ND	0.98	ND	ND	ND	ND	0.61	0.49	ND	ND	0.56	0.24	0.071	ND	ND	ND	ND	ND



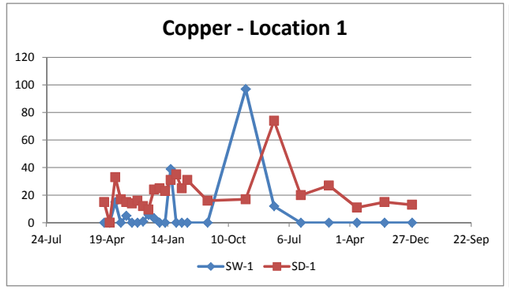


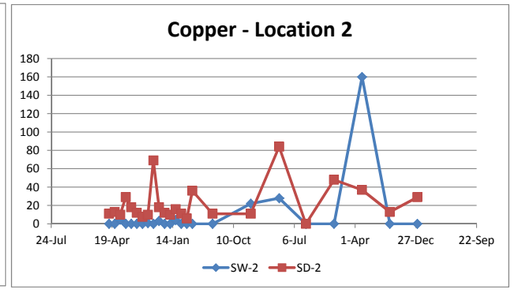


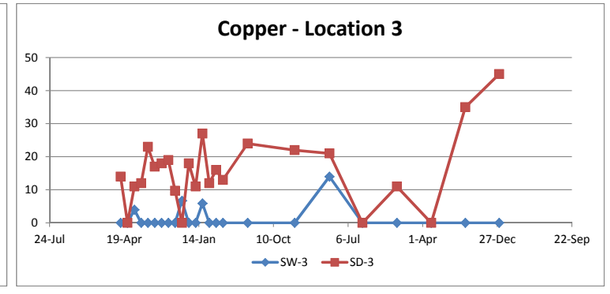


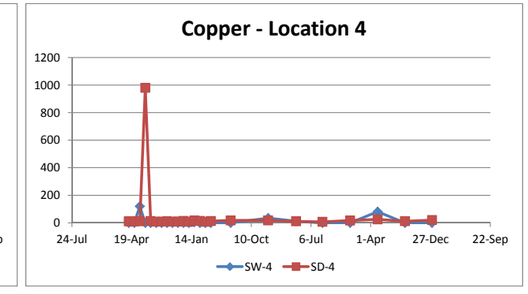
Copper

	3/1/2001	6/1/2001	9/1/2001	12/1/2001	3/1/2002	6/1/2002	9/1/2002	12/1/2002	3/1/2003	6/1/2003	9/1/2003	12/1/2003	3/1/2004	6/1/2004	9/1/2004	12/1/2004	10/29/2005	7/20/2007	10/29/2008	1/13/2010	4/20/2011	7/24/2012	10/24/2013	1/20/2015
SW-1	ND	ND	15	ND	5.1	ND	ND	0.88	5.7	3.3	ND	ND	39	ND	ND	ND	ND	97	12	ND	ND	ND	ND	ND
SW-2	ND	*	4.7	ND	ND	ND	ND	0.9	ND	3.2	ND	ND	4.1	ND	ND	ND	ND	22	28	*	ND	160	ND	ND
SW-3	*	*	4	*	*	ND	*	*	*	6.7	*	*	5.9	ND	ND	ND	ND	*	**14**	*	ND	*	*	ND
SW-4	ND	ND	120	ND	ND	ND	ND	0.61	ND	ND	ND	ND	5.4	ND	ND	ND	ND	35	12	ND	ND	81	ND	ND
SD-1	15	*	33	17	15	14	16	12	9.6	24	25	**23**	31	35	**25**	**31**	16	**17**	**74**	**20**	27	11	15	13
SD-2	11	13	10	29	18	12	7.6	10	69	18	12	10	16	11	5.8	**36**	11	11	84	*	48	37	13	29
SD-3	14	*	11	12	23	17	18	19	9.7	*	18	11	27	12	16	13	24	**22**	**21**	*	11	*	**35**	45
SD-4	10	10	11	980	13	8.5	8.7	10	8.1	9	14	7.8	16	14	7.5	13	18	**18**	**11**	7.4	17	25	12	20



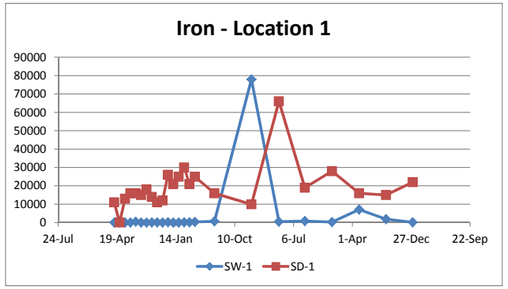


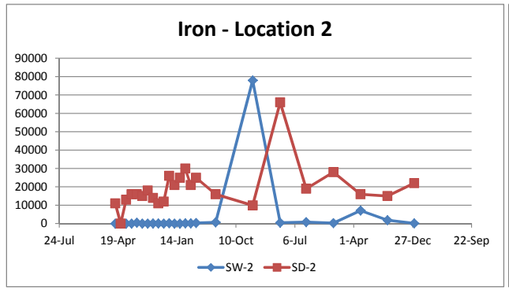


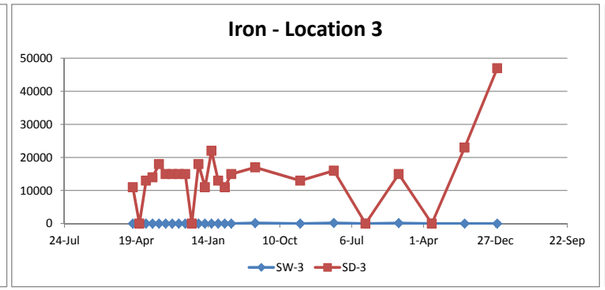


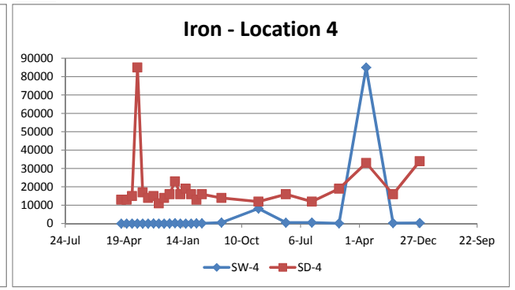
Iron

	3/1/2001	6/1/2001	9/1/2001	12/1/2001	3/1/2002	6/1/2002	9/1/2002	12/1/2002	3/1/2003	6/1/2003	9/1/2003	12/1/2003	3/1/2004	6/1/2004	9/1/2004	12/1/2004	10/29/2005	7/20/2007	10/29/2008	1/13/2010	4/20/2011	7/24/2012	10/24/2013	1/20/2015
SW-1	ND	69	ND	ND	500	ND	ND	84	80	41	210	ND	ND	120	140	380	700	78000	510	850	310	7,100	1,900	170
SW-2	ND	*	ND	ND	ND	ND	ND	28	ND	460	80	ND	ND	ND	130	ND	610	450	440	*	410	140,000	**520**	ND
SW-3	*	*	ND	*	*	ND	*	*	*	240	ND	*	ND	ND	ND	ND	180	*	190	*	170	*	*	ND
SW-4	ND	ND	ND	ND	ND	ND	110	31	40	110	190	ND	ND	ND	160	160	570	8200	530	570	170	85,000	300	**380**
SD-1	11000	*	13000	16000	16000	15000	18000	14000	11000	12000	26000	**21000**	25000	30000	**21000**	**25000**	16,000	9900	66000	19,000	28,000	16,000	15,000	**22,000**
SD-2	13000	13000	13000	27000	20000	15000	12000	13000	16000	17000	20000	**23000**	15000	16000	8700	15000	12,000	11000	67000	*	58,000	78,000	**20,000**	**35,000**
SD-3	11000	*	13000	14000	18000	15000	15000	15000	15000	*	18000	11000	22000	13000	11000	15000	17,000	13000	16000	*	15,000	*	**23,000**	47,000
SD-4	13000	13000	15000	85000	17000	14000	15000	11000	14000	16000	23000	16000	19000	16000	13000	16000	14,000	12000	16000	12,000	19,000	33,000	16,000	**34,000**



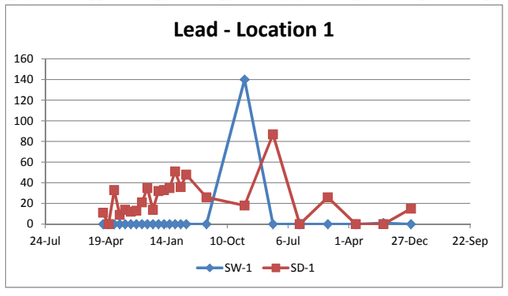


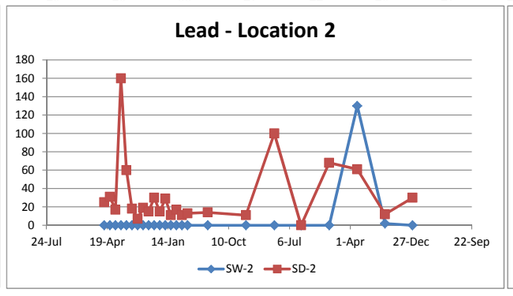


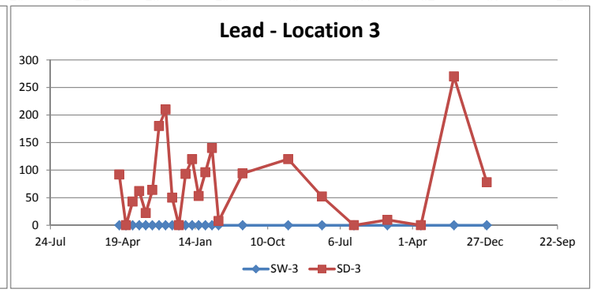


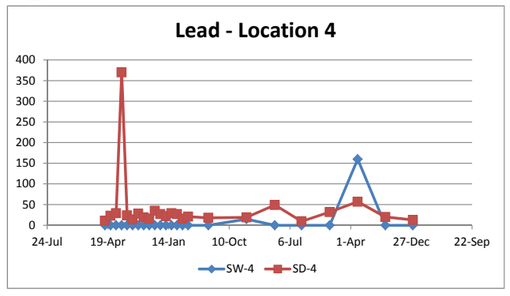
Lead

	3/1/2001	6/1/2001	9/1/2001	12/1/2001	3/1/2002	6/1/2002	9/1/2002	12/1/2002	3/1/2003	6/1/2003	9/1/2003	12/1/2003	3/1/2004	6/1/2004	9/1/2004	12/1/2004	10/29/2005	7/20/2007	10/29/2008	1/13/2010	4/20/2011	7/24/2012	10/24/2013	1/20/2015
SW-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	ND	ND	1.1	ND
SW-2	ND	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	*	ND	130	1.9	ND
SW-3	*	*	ND	*	*	ND	*	*	*	ND	*	*	ND	ND	ND	ND	ND	*	ND	*	ND	*	*	ND
SW-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	160	ND	ND
SD-1	11	*	33	8.9	14	12	13	21	35	14	32	**33**	35	51	**36**	**48**	26	18	87	ND	26	ND	ND	15
SD-2	25	31	17	160	60	18	7.1	19	15	30	15	29	11	17	11	13	14	11	100	*	68	61	12	30
SD-3	92	*	43	62	22	64	180	210	50	*	93	**120**	53	96	**140**	7.5	94	**120**	**52**	*	9.7	*	**270**	78
SD-4	11	23	29	370	24	14	28	19	16	35	27	22	29	27	16	21	18	19	49	9.4	32	57	20	13



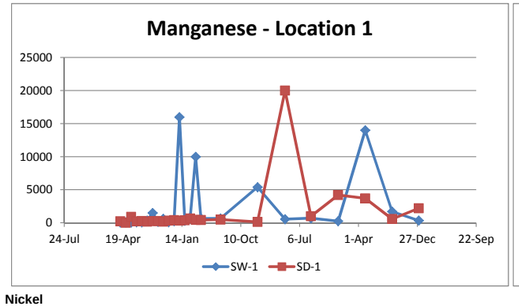


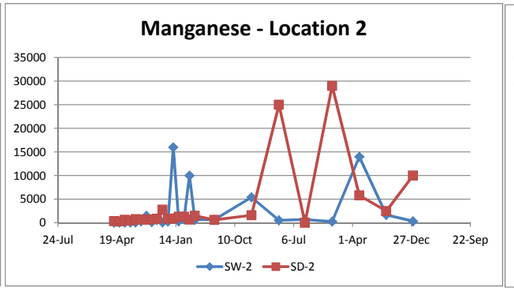


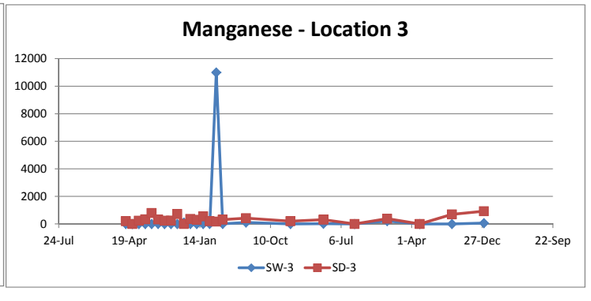


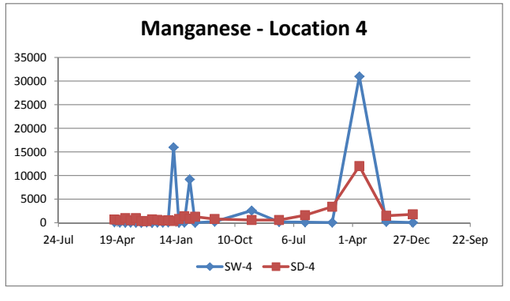
Manganese

	3/1/2001	6/1/2001	9/1/2001	12/1/2001	3/1/2002	6/1/2002	9/1/2002	12/1/2002	3/1/2003	6/1/2003	9/1/2003	12/1/2003	3/1/2004	6/1/2004	9/1/2004	12/1/2004	10/29/2005	7/20/2007	10/29/2008	1/13/2010	4/20/2011	7/24/2012	10/24/2013	1/20/2015
SW-1	65	99	46	95	80	340	1500	160	620	95	260	16000	330	820	10000	660	670	5400	550	700	260	14,000	1,700	**340**
SW-2	8.3	*	15	30	ND	12	460	2	8.7	6.5	22	15000	ND	16	10000	19	500	520	220	*	210	33,000	340	41
SW-3	ND	*	ND	*	*	11	*	*	*	99	*	*	ND	11	11000	12	110	*	21	*	210	*	*	62
SW-4	150	59	22	61	27	16	110	9.7	64	55	120	16000	25	63	9200	26	240	2600	180	130	50	31,000	230	70
SD-1	240	*	910	220	270	180	250	280	170	330	410	320	**380**	650	440	430	490	130	20000	**990**	4,200	3,700	**580**	2200
SD-2	360	290	650	450	780	700	660	720	850	2800	870	**880**	1300	1300	**670**	**1500**	630	**1600**	**25000**	*	29,000	5,800	**2,500**	10,000
SD-3	200	*	240	340	800	330	240	250	730	*	370	300	550	200	180	310	420	200	310	*	390	*	**700**	930
SD-4	690	600	1000	540	990	370	350	740	610	450	530	370	820	1400	**850**	**1300**	810	**590**	**600**	**1,600**	3,400	12,000	**1,500**	1800



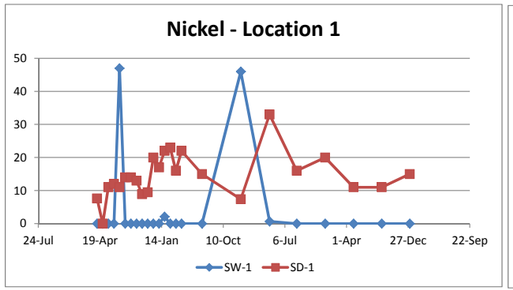


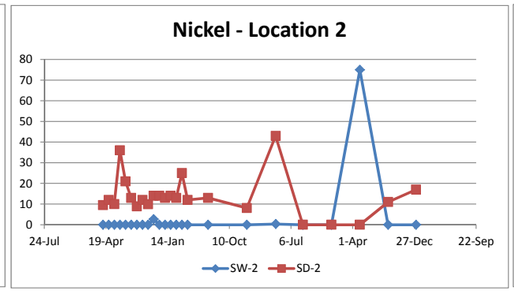


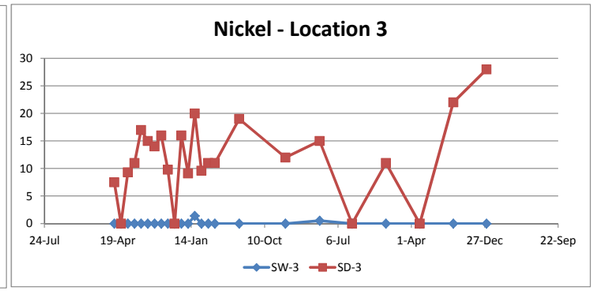


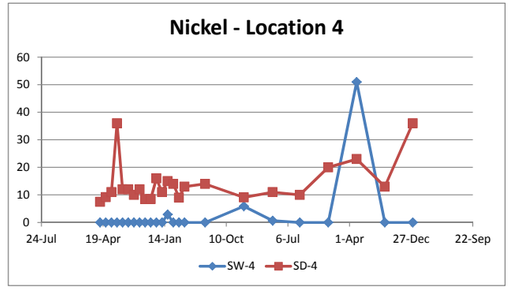
Nickel

	3/1/2001	6/1/2001	9/1/2001	12/1/2001	3/1/2002	6/1/2002	9/1/2002	12/1/2002	3/1/2003	6/1/2003	9/1/2003	12/1/2003	3/1/2004	6/1/2004	9/1/2004	12/1/2004	10/29/2005	7/20/2007	10/29/2008	1/13/2010	4/20/2011	7/24/2012	10/24/2013	1/20/2015
SW-1	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	46	0.66	ND	ND	ND	ND	ND
SW-2	ND	*	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	0.37	*	ND	75	ND	ND
SW-3	*	*	ND	*	*	ND	*	*	*	ND	*	*	1.4	ND	ND	ND	ND	*	0.54	*	ND	*	ND	ND
SW-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	5.9	0.66	ND	ND	51	ND	ND
SD-1	7.6	*	11	12	11	14	14	13	8.9	9.5	20	**17**	22	23	16	**22**	15	7.4	33	16	20	11	11	15
SD-2	9.5	12	10	36	21	13	8.9	12	9.9	14	14	13	14	13	**25**	12	13	8.1	43	*	ND	ND	11	17
SD-3	7.5	*	9.3	11	17	15	14	16	9.8	*	16	9.1	20	9.6	11	11	19	12	15	*	11	*	**22**	28
SD-4	7.5	9.2	11	36	12	12	10	12	8.5	8.5	16	11	15	14	9	13	14	9.1	11	10	20	23	13	36









Zinc

	3/1/2001	6/1/2001	9/1/2001	12/1/2001	3/1/2002	6/1/2002	9/1/2002	12/1/2002	3/1/2003	6/1/2003	9/1/2003	12/1/2003	3/1/2004	6/1/2004	9/1/2004	12/1/2004	10/29/2005	7/20/2007	10/29/2008	1/13/2010	4/20/2011	7/24/2012	10/24/2013	1/20/2015
SW-1	ND	ND	25	17	16	ND	ND	9.6	13	120	ND	ND	41	64	ND	51	57	270	ND	ND	ND	ND	ND	ND
SW-2	ND	*	4.1	18	10	ND	ND	ND	9.8	37	ND	ND	29	ND	ND	ND	5.8	ND	ND	*	ND	ND	ND	ND
SW-3	*	*	ND	*	*	53	*	*	*	19	*	*	40	54	ND	ND	7.1	*	ND	*	ND	ND	ND	ND
SW-4	ND	ND	4.1	11	7.2	ND	ND	ND	ND	ND	ND	ND	37	61	ND	ND	ND	38	ND	ND	ND	ND	ND	ND
SD-1	48	*	230	46	44	46	51	87	40	390	84	67	82	130	86	96	40	35	360	45	94	35	32	70
SD-2	38	53	34	150	72	47	28	24	39	59	45	50	37	67	33	35	32	33	360	*	270	240	52	160
SD-3	44	*	46	38	51	72	76	78	42	*	71	63	74	60	60	28	120	81	60	*	**32**	*	**190**	140
SD-4	26	48	58	220	60	41	47	500	45	60	79	54	77	82	45	53	57	56	53	44	93	140	50	150