March 17, 2014

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

Attention: Mr. Anjan Sen, P.E.

Re: PIN 8807.31.101Harrison Spill Site (Spill #94-07349)
Harrison Sub-Residency
Westchester County, New York

Dear Mr. Sen:

The following letter report summarizes the field investigative procedures and results of the sampling, conducted by Henningson, Durham & Richardson Architecture and Engineering P.C. (HDR) on behalf of the New York State Department of Transportation (NYSDOT) at the above referenced site (Figure 1). The sampling was conducted in accordance with our October 16, 2013 approved scope, which was developed in accordance with the NYSDOT *Operation and Maintenance Plan for the Harrison Sub-Residency, Landfill and Petroleum Spill Area, February 2010*. The spill (#94-07349) associated with this site was closed by the New York State Department of Environmental Conservation (NYSDEC) on October 10, 2002 when the air sparge/soil vapor extraction (AS/SVE) system was shut down. The AS/SVE system was in operation for a total of two years. 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 New York State Department of Environmental Conservation (NYSDEC) relating to NYSDEC Spill #94-07349. A discussion of the groundwater data from the groundwater monitoring wells is presented in this report.

On October 23rd, 2013, HDR sampled the groundwater wells to monitor the migration and natural attenuation of the contaminant plume. HDR obtained samples from two groundwater monitoring wells (MW-11 and PC-1) for chemical analysis using low-flow sampling techniques. Prior to commencing site activities, HDR conducted a visual inspection of the monitoring well casings and well heads to note any signs of damage or tampering. Static water level measurements and total depth measurements from all groundwater monitoring wells were also recorded.

Prior to commencement of sampling, a round of static water level measurements and total depth measurements were collected from all monitoring wells and field instrumentation were calibrated according to the respective manufacturer's standards. Nearly all of the monitoring wells initially included in the sampling program have been decommissioned by NYSDOT. The following wells, MW-11 and PC-1, were proposed for sampling during the October 2013 sampling event and are shown on Figure 2.

Henningson, Durham & Richardson Architecture and Engineering, P.C.
in association with HDR Engineering, Inc.

One Blue Hill Plaza, 12th Floor
P.O. Box 1509
Pearl River, NY 10965

Phone: (845) 735-8300
Fax: (845) 735-7466
www.hdrinc.com

Each well was purged of three well volumes or until dryness using a Whale pump equipped with a Rheostat (for adjustable flow), in-line flow cell, and dedicated tubing. Field parameters of temperature, turbidity, dissolved oxygen (DO), pH, specific conductivity, and oxidation-reduction potential (Eh) were collected during purging and at the start of sampling at each well. 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 laboratory-supplied containers for analysis of BTEX (benzene, toluene, ethylbenzene and total xylenes) plus MTBE (methyl tertiary butyl ether), and the natural attenuation parameters: iron (dissolved, Fe-II), manganese (dissolved, Mn-II), bicarbonate alkalinity (as HCO_3), alkalinity (total), nitrate (NO_3), and sulfate (SO_4). Metals samples were filtered and preserved upon receipt at 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 original sample. The duplicate sample was given a "fictitious" sample ID (DMW-5-10232013) as to not indicate to the laboratory that it was a duplicate sample.

Groundwater Sampling Results

Groundwater sampling results from October 2013 are summarized on Table 1. The results were compared to the NYSDEC Class GA standards or guidance values (GV). Well sampling information is included on the sampling logs in Attachment A. Laboratory data packages associated with the October 2013 sampling are included as Attachment B. (Note that the Harrison Sub-Residency spill site was sampled concurrently with the landfill area; therefore, one of the data packages includes results from both sample sites). A figure of the historic well locations and related data are included in Attachment C.

The monitoring wells sampled are located downgradient or sidegradient of the plume. BTEX compounds were detected in the sample collected at MW-11 at concentrations of 2.7, 24, 1.2, and 8.6 ug/l for benzene, toluene, ethylbenzene and total xylenes, respectively, for a total BTEX concentration of 36.5 ug/l. Concentrations of benzene, ethylbenzene and m&p-xylenes exceeded their respective Class GA standard of 1, 5, and 5 ug/l, respectively. BTEX compounds were not detected at PC-1. MTBE was not detected in either of the wells sampled.

Dissolved iron was detected in the sample collected from MW-11 at a concentration of 4,100 ug/l. Dissolved manganese was detected in the samples collected from MW-11 and PC-1 at concentrations of 3,600 and 740 ug/l, respectively. The Class GA standard for both iron and manganese is 300 ug/l. In each case, the reported value exceeded the Class GA standard.

Total alkalinity and bicarbonate alkalinity results were the same at each of the wells; the concentration at MW-11 was 290 mg/l and the concentration at PC-1 was 190 mg/l. A Class GA standard has not been established for alkalinity. Nitrate was not detected at either location. Sulfate was detected in the sample collected from MW-11 at a concentration of 3.5 mg/l and in the sample collected from PC-1 at a concentration of 21 mg/l. Both results were less than the Class GA standard of 250 mg/l. Field parameters are discussed below in relation to the results and assessing the natural attenuation trends.

QAQC Sampling Results

A duplicate sample was collected from groundwater monitoring well PC-1 for QAQC purposes. The relative percent difference (RPD) was calculated for the sample collected from PC-1 and its duplicate sample, DMW-5-10232013, 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 (DMW-5-10232013)

RPD was not calculated for results where both samples were non-detect. For the remaining groundwater analytical results, the RPD ranged from 0% to 1.36%, where 0% would indicate the results were the same. All of the results of the RPD calculation indicate the results are within precision standards for both sampling and laboratory protocols.

One trip blank was submitted for analysis of BTEX and MTBE only. All results were non-detect.

Discussion

At the request of NYSDOT, HDR prepared graphs to coincide with the historical data presented in Attachment C to aid in the evaluation of trends in groundwater data over time.Findings were presented and discussed with NYSDOT on a conference call held on March 14, 2014.

With the exception of ORP, results obtained from the natural attenuation parameters analyzed suggest aerobic conditions may be present at the site. As seen in the past, BTEX results obtained from the down/sidegradient well, PC-1, are non-detect at the respective analytical reporting limits. BTEX concentrations at MW-11 are comparable to what has been observed over recent historic monitoring events. Although there have been slight increases or decreases over time, the concentrations suggest a stable plume. NYSDOT will continue to monitor the remaining Spill site wells on a fifth-quarterly basis.

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

Very truly yours,

M LaMacchia

_____

Melissa E. LaMacchia
Associate | Project Manager

cc: G. Fitzgerald, NYSDOT Region 8

Attachments

FIGURES

Name: GLENVILLE
Date: 1/23/2008
Scale: 1 inch equals 2000 feet

Location: 041° 04' 00.92" N 073° 42' 27.38" W NAD 27
Caption: Figure 1 - Site Location
Harrison Subresidency Site

LEGEND

⊕ Monitoring well location

NOTE:

Monitoring Well PC-1 is located north of the site within the Landfill Area

Source: NYSDOT

0 60 ft

APPROX. SCALE (ft)

\M\Graphics\\\HarrisonGarageFigure_Rev15Dec08.des

HDR

Henningson, Durham & Richardson
Architecture and Engineering, P.C.

One Blue Hill Plaza
Pearl River, NY 10965

Spill Site Monitoring Well Locations

NYSDOT • Harrison, NY

Figure 2

TABLES

TABLE 1
GROUNDWATER DATA SUMMARY
Fifth Quarter Sampling - Harrison Spill Site
October 2013

PARAMETER	*Upgradient* MW-1 *	*Downgradient/Sidegradient* MW-11 10/23/2013	PC-1 10/23/2013	*Duplicate PC-1* DMW-5-10232013 10/23/2013	Trip Blank 10/23/2013	NYSDEC Class GA Standards (a)
Volatile Organic Compounds (ug/l)						
Benzene	*	**2.7**	ND	ND	ND	**1**
Ethylbenzene	*	**24**	ND	ND	ND	**5**
Toluene	*	1.2	ND	ND	ND	**5**
m&p-Xylenes	*	**6.2**	ND	ND	ND	**5**
o-Xylenes	*	2.4	ND	ND	ND	**5**
Total BTEX	*	36.5	ND	ND	ND	**100**
Methyl tert butyl ether (MTBE)	*	♦	ND	ND	ND	**50 GV**
Metals (ug/l)						
Iron	*	**4100**	ND	ND	♦	**300**
Manganese	*	**3600**	**740**	**730**	♦	**300**
Natural Attenuation Parameters (mg/l)						
Total Alkalinity	*	290	190	♦	♦	**NS**
Bicarbonate Alkalinity	*	290	190	♦	♦	**NS**
Nitrate	*	ND	ND	♦	♦	**10**
Sulfate	*	3.5	21	♦	♦	**250**
Field Parameters						
Temperature (°C)	*	14.6	14.96	NA	♦	**NS**
pH	*	6.96	6.84	NA	♦	**NS**
Specific conductivity (uS)	*	0.998	0.85	NA	♦	**NS**
Oxidation-Reduction Potential (mV)	*	-14	-12	NA	♦	**NS**
Dissolved Oxygen (mg/l)	*	8.3	3.11	NA	♦	**NS**
Turbidity (NTUs)	*	45.1	2.0	NA	♦	**NS**

GV - Guidance value.
♦ - Not analyzed.
NS - No standard.
ND - Not detected.
NA - Not applicable.
Notes:
*Montoring wells and Piezometers have been properly closed and abandoned. Therefore they were not sampled.

ATTACHMENT A

SAMPLING LOGS

Well Sampling Log

Well ID No.: MW-11

Well Casing Type:	2" PVC	**Start SWL:**	12.76	**Project:**	Harrison Landfill and Spill
Well Depth*:	17.7	**Water Column Ht.:**		**Date:**	10/23/2013
Screened Interval:	n/a	**Well Volume (gallons):**	4.6	**Crew:**	AW/KH
Well Elevation*:	n/a	**SWL During Sampling:**		**Purge Method:**	Whale Pump
Ground Elevation:	n/a	**Sample Time:**	14:55	**PID Head Space (ppm):**	
Well Condition:	Good	**Sample Method:**	Bailer	**Meters Used:**	Horiba U-52, Turbidity Meter
Weather Conditions:	50's overcast	**Sample Analyses:**	BTEX + MTBE and natural attenuation parameters		

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
1405	0		14.02	6.80	-37	1.39	66.0	4.67	0.850	0.7		
1406	1		14.40	6.92	-71	1.28	42.1	4.64	0.796	0.6		
1407	2		14.60	6.86	-74	0.998	45.1	8.30	0.602	0.5		Dry after 2 gallons

Comments:
Slight petroleum odor

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

Well Sampling Log

Well ID No.: PC-1

Well Casing Type: 2" PVC
Well Depth*: 16.33
Screened Interval: n/a
Well Elevation*: n/a
Ground Elevation: n/a
Well Condition: Lock eyelit damaged
Weather Conditions: 50's overcast

Start SWL: 7.82
8.51
Well Volume (gallons): 7.9
SWL During Sampling: n/a
Sample Time: 12:50
Sample Method: Bailer
Sample Analyses: VOC + MTBE, SVOC, Metals (fi p--0

Project: Harrison Landfill and Spill
Date: 10/23/2013
Crew: AW/KH
Purge Method: Whale Pump
PID Head Space (ppm): n/a
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
11:42	0		14.38	6.53	-45	0.879	49	5.51	0.547	0.4		
11:44	3		14.95	6.57	-9	853.000	40	4.92	0.611	0.4		
11:47	6		14.79	6.77	-23	0.904	21	4.86	0.580	0.4		
11:52	8		14.96	6.84	-12	0.850	2.0	3.11	0.590	0.5		

Comments:

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

ATTACHMENT B

LABORATORY ANALYTICAL DATA PACKAGES

HC·V
HAMPTONCLARKE·VERITECH

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: Not Available

Report To: HDR
One Blue Hill Plaza
P.O. Box 1509
Pearl River, NY 10965

Attn: Melissa LaMaccha

Received Date: 10/24/2013

Report Date: 11/21/2013

Deliverables: NYDOH-CatA

Lab ID: AC75324

Lab Project No: 3102406

Robin Cousineau - Quality Assurance Director OR **Stanley Gilewicz - Laboratory Director**

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

NELAP ACCREDITED TNI LABORATORY

HC·V
HAMPTONCLARKE·VERITECH

THIS CATEGORY "A" REPORT
IS NUMBERED FROM
1 to 122

HCV Case Narrative

Client: HDR **HCV Project:** 3102406
Project: NYSDOT-Harrison

Hampton-Clarke/Veritech (HC·V) received the following samples on October 24, 2013:

Client ID	HCV Sample ID	Matrix	Analysis
TB-10232013	AC75324-001	Aqueous	VO (624)
DMW-5-10232013 U	AC75324-002	Aqueous	VO (624), BNA (625), Chloride (300.0)
DMW-5-10232013 F	AC75324-003	Aqueous	Metals (200.7/200.8/245.1), Cyanide (335.4)
PC-1-10232013 U	AC75324-004	Aqueous	VO (624), BNA (625), Chloride, Nitrate, Sulfate (300.0), Alkalinity (SM2320B)
PC-1-10232013 F	AC75324-005	Aqueous	Metals (200.7/200.8/245.1), Cyanide (335.4)
LMW-4-10232013 U	AC75324-006	Aqueous	VO (624), BNA (625), Chloride (300.0)
LMW-4-10232013 F	AC75324-007	Aqueous	Metals (200.7/200.8/245.1), Cyanide (335.4)
PC-2-10232013 U	AC75324-008	Aqueous	VO (624), BNA (625), Chloride (300.0)
PC-2-10232013 F	AC75324-009	Aqueous	Metals (200.7/200.8/245.1), Cyanide (335.4)
LMW-2-10232013 U	AC75324-010	Aqueous	VO (624), BNA (625), Chloride (300.0)
LMW-2-10232013 F	AC75324-011	Aqueous	Metals (200.7/200.8/245.1), Cyanide (335.4)
MW-11-10232013 U	AC75324-012	Aqueous	BTEX (624), Nitrate, Sulfate (300.0), Alkalinity (SM2320B)
MW-11-10232013 F	AC75324-013	Aqueous	Metals (200.7)
PC-3-10232013 U	AC75324-014	Aqueous	VO (624), BNA (625), Chloride (300.0)
PC-3-10232013 F	AC75324-015	Aqueous	Metals (200.7/200.8/245.1), Cyanide (335.4)

Volatile Organic Analysis:

The Matrix Spike and Matrix Spike Duplicate for batches 5034 and 31163 recovered outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

Base Neutral/Acid Extractable Analysis:

Sample AC75324-010 was analyzed at a 5X dilution due to high concentration of non-target analytes.

Samples AC75324-004, 006, 008, 010, 014, WMB29082 and MS had surrogate recoveries outside QC limits, but the recoveries are greater than 10%, therefore, no corrective action was necessary.

Metals Analysis:

The serial dilution for batch 27348 is outside QC limits for one or more analytes, suggesting matrix interference.

Samples AC75324-003, 005, 007, 009, 011, 013 and 015 were filtered and preserved in the laboratory per clients request.

Wet Chemistry Analysis:

The Matrix Spike and Matrix Spike Duplicate for batches 5066 and 5067-Chloride recovered outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

The Matrix Spike for batch 5066-Slfate recovered outside QC limits. However, since the associated Method Blank and Laboratory Control Sample were within control, no corrective action was necessary.

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	Stanley Gilewicz Laboratory Director	11/22/2013 Date

Hampton-Clarke Vertech Laboratories
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
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124

HC·V HAMPTON CLARKE VERITECH LABORATORIES
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

3102406 0003

3102406

Page 1 of 1

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Deliv.
24 Hours (100%)	Data Summary	Hazsite/CSV
48 Hours (75%)	Waste	EQuIS 4-File / EZ / NYS
72 Hours (50%)	Red - NJ / NY / PA	EQuIS EPA Region 2 or 5
4 Days (35%; TPH)	CLP	Excel - NJ Regulatory
1 Week (25%; EPH)	Full / Category B	Excel - NY Regulatory
~~10 Days (10%)~~ ML	Category A	Excel - PA Regulatory
2 Weeks	Other:	PDF
Other:		Other:

Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: HDR Engineering, Inc.
Address: 1 Blue Hill Plz, 12th Floor
Pearl River, NY 10965
1b) Email/Cell/Fax/Ph: 845 735-8300
1c) Send Invoice to: Melissa LaMacchia
1d) Send Report to: "

Project Information

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

FOR LAB USE ONLY ↓

Batch # ACT5324

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)

Check If Contingent ===>

7) Analysis Request

<=== 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)	TCL VOC 10	TCL SVOC 20	TAL Metals (Lab Filter)	CN (Lab Filter)	Chloride	MTBE	Metals (Diss. Fe+Mn)	Alkalinity (Total & Bicarb)	Sulfate + Nitrate	VOC (BTEX only)	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
-001	TB-10232013	BL	10/23/13	1200	X	X	X														3				
002/003	DMW-5-10232013	GW	10/23/13	1230		X	X	X	X	X	X	X					5				3				
004/005	PC-1-10232013	GW	10/23/13	1250		X	X	X	X	X	X	X	X	X	X		9				3				
006/007	MW-4-10232013	GW	10/23/13	1310		X	X	X	X	X	X						5				3				
008/009	PC-2-10232013	GW	10/23/13	1335		X	X	X	X	X	X						5				3				
010/011	MW-2-10232013	GW	10/23/13	1340		X	X	X	X	X	X						5				3				
012/013	MW-11-10232013	GW	10/23/13	1455		X	X						X	X	X	X	4				3				
014/015	PC-3-10232013	GW	10/23/13	1515		X	X	X	X	X	X						5				3				
		AJW	10/23/13																						

10) Relinquished by:	Accepted by:	Date	Time
AJ Wadden	HDR Lab (Paul A. Moccio)	10/23/13	1700
Paul A. Moccio		10/24/13	0950
		10/24/13	1040

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Note: Check if low-level groundwater methods required to meet current standards in NJ or PA:
- ☐ BN or BNA (8270C SIM)
- ☐ VOC (8260B SIM or 8011)
- ☐ Metals (ICP-MS 200.8 or 6020)
- ☐ Metals-Soil (ICP-MS 6020 for Be & Ag)

* Lab filter Metals + CN.

Note: Check if applicable:
- ☐ Project-Specific Reporting Limits
- ☐ High Contaminant Concentrations
- ☐ NJ LSRP Project

Cooler Temperature: 3.0 2.0

11) Sampler (print name): Andrew Wadden Date: 10/23/13

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.

PROJECT MODIFICATIONS

Client: HDR/LMS
Project: NYSDOT-Harrison

HCV Project #: 3102406

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maureen192.168.1.87
11/22/2013 11:49:25 AM

Deliverables are NYDOH-Cat A per quote. MS 11/22/13

CONDITION UPON RECEIPT

Batch Number AC75324 Entered By: Ricardo
Date Entered 10/24/2013 11:36:00 AM

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	Yes	Please specify the Temperature inside the container (in degC) 3.0.2.0
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 AC75324

Entered By: Ricardo

Date Entered 10/24/2013 11:36:00 AM

Lab#:	Container Siz	Container Typ	Parameter	Preservative	PH
AC75324-001	40ml	G	VO	HCL	1
AC75324-002	40ml	G	VO	HCL	1
AC75324-003	NA	NA	NA	NA	NA
AC75324-004	40ml	G	VO	HCL	1
AC75324-005	NA	NA	NA	NA	NA
AC75324-006	40ml	G	VO	HCL	1
AC75324-007	NA	NA	NA	NA	NA
AC75324-008	40ml	G	VO	HCL	1
AC75324-009	NA	NA	NA	NA	NA
AC75324-010	40ml	G	VO	HCL	1
AC75324-011	NA	NA	NA	NA	NA
AC75324-012	40ml	G	VO	HCL	1
AC75324-013	NA	NA	NA	NA	NA
AC75324-014	40ml	G	VO	HCL	1
AC75324-015	NA	NA	NA	NA	NA

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AC75324-001	10/24/13 10:40	RICAR	0	M	Received
AC75324-001	10/24/13 11:34	RICAR	0	M	Login
AC75324-001	10/24/13 18:11	R31	1	A	NONE
AC75324-001	10/25/13 13:59	WP	1	A	voa
AC75324-001	10/24/13 18:11	R31	2	A	NONE
AC75324-001	10/24/13 18:11	R31	3	A	NONE
AC75324-002	10/24/13 10:40	RICAR	0	M	Received
AC75324-002	10/24/13 11:34	RICAR	0	M	Login
AC75324-002	10/24/13 12:12	R12	1	A	NONE
AC75324-002	10/30/13 09:31	DYR/JI	1	A	BNA
AC75324-002	10/24/13 12:12	R12	2	A	NONE
AC75324-002	10/30/13 09:31	DYR/JI	2	A	BNA
AC75324-002	10/30/13 09:50	R12	2	A	NONE
AC75324-002	10/24/13 12:12	R12	3	A	NONE
AC75324-002	10/24/13 13:07	JW	3	A	IC
AC75324-002	10/24/13 17:38	R12	3	A	NONE
AC75324-002	10/30/13 15:27	JW	3	A	IC
AC75324-002	10/30/13 16:25	R12	3	A	NONE
AC75324-002	10/24/13 18:11	R31	4	A	NONE
AC75324-002	10/24/13 18:11	R31	5	A	NONE
AC75324-002	10/25/13 18:06	WP	5	A	voa
AC75324-002	10/28/13 10:06	R31	5	A	NONE
AC75324-002	10/28/13 13:51	SG	5	A	VOA
AC75324-002	10/24/13 18:11	R31	6	A	NONE
AC75324-003	10/24/13 10:40	RICAR	0	M	Received
AC75324-003	10/24/13 11:34	RICAR	0	M	Login
AC75324-003	10/24/13 12:12	R12	1	A	NONE
AC75324-003	10/28/13 10:33	ANTH	1	A	CN-W
AC75324-003	10/28/13 16:14	R12	1	A	NONE
AC75324-003	10/24/13 12:12	R12	2	A	NONE
AC75324-003	10/25/13 11:17	JU	2	A	FILTER
AC75324-003	10/25/13 16:14	R12	2	A	NONE
AC75324-003	11/05/13 11:26	JU	2	A	tdwi-hg
AC75324-003	11/05/13 12:41	R12	2	A	NONE
AC75324-004	10/24/13 10:40	RICAR	0	M	Received
AC75324-004	10/24/13 11:34	RICAR	0	M	Login
AC75324-004	10/24/13 12:12	R12	1	A	NONE
AC75324-004	10/24/13 12:12	R12	2	A	NONE
AC75324-004	10/30/13 09:31	DYR/JI	2	A	BNA
AC75324-004	10/24/13 12:12	R12	3	A	NONE
AC75324-004	10/24/13 13:07	JW	3	A	IC
AC75324-004	10/24/13 17:38	R12	3	A	NONE
AC75324-004	10/30/13 15:27	JW	3	A	IC
AC75324-004	10/30/13 16:25	R12	3	A	NONE
AC75324-004	10/24/13 12:12	R12	4	A	NONE
AC75324-004	10/29/13 15:20	JW	6	A	ALKALINITY
AC75324-004	10/29/13 17:15	R12	6	A	NONE
AC75324-004	10/24/13 18:11	R31	7	A	NONE
AC75324-004	10/24/13 18:11	R31	8	A	NONE
AC75324-004	10/25/13 18:06	WP	8	A	voa
AC75324-004	10/28/13 10:06	R31	8	A	NONE
AC75324-004	10/28/13 13:51	SG	8	A	VOA
AC75324-004	10/24/13 18:11	R31	9	A	NONE
AC75324-005	10/24/13 10:40	RICAR	0	M	Received
AC75324-005	10/24/13 11:34	RICAR	0	M	Login
AC75324-005	10/24/13 12:12	R12	1	A	NONE
AC75324-005	10/28/13 10:33	ANTH	1	A	CN-W
AC75324-005	10/28/13 16:14	R12	1	A	NONE
AC75324-005	10/24/13 12:12	R12	2	A	NONE
AC75324-005	10/24/13 12:12	R12	3	A	NONE
AC75324-005	10/25/13 11:17	JU	3	A	FILTER
AC75324-005	10/25/13 16:14	R12	3	A	NONE
AC75324-005	11/05/13 11:26	JU	3	A	tdwi-hg
AC75324-005	11/05/13 12:41	R12	3	A	NONE
AC75324-006	10/24/13 10:40	RICAR	0	M	Received
AC75324-006	10/24/13 11:34	RICAR	0	M	Login
AC75324-006	10/24/13 12:12	R12	1	A	NONE
AC75324-006	10/24/13 12:12	R12	2	A	NONE
AC75324-006	10/30/13 09:31	DYR/JI	2	A	BNA
AC75324-006	10/24/13 12:12	R12	3	A	NONE
AC75324-006	10/24/13 13:07	JW	3	A	IC
AC75324-006	10/24/13 17:38	R12	3	A	NONE
AC75324-006	10/24/13 18:11	R31	4	A	NONE
AC75324-006	10/24/13 18:11	R31	5	A	NONE
AC75324-006	10/25/13 18:06	WP	5	A	voa
AC75324-006	10/28/13 10:06	R31	5	A	NONE
AC75324-006	10/28/13 13:51	SG	5	A	VOA
AC75324-006	10/24/13 18:11	R31	6	A	NONE
AC75324-007	10/24/13 10:40	RICAR	0	M	Received
AC75324-007	10/24/13 11:34	RICAR	0	M	Login
AC75324-007	10/24/13 12:12	R12	1	A	NONE
AC75324-007	10/29/13 09:12	ANTH	1	A	cn-w
AC75324-007	10/29/13 12:57	R12	1	A	NONE
AC75324-007	10/24/13 12:12	R12	2	A	NONE
AC75324-007	10/25/13 11:17	JU	2	A	FILTER
AC75324-007	10/25/13 16:14	R12	2	A	NONE
AC75324-007	11/05/13 11:26	JU	2	A	tdwi-hg
AC75324-007	11/05/13 12:41	R12	2	A	NONE
AC75324-008	10/24/13 10:40	RICAR	0	M	Received
AC75324-008	10/24/13 11:34	RICAR	0	M	Login
AC75324-008	10/24/13 12:12	R12	1	A	NONE
AC75324-008	10/30/13 09:31	DYR/JI	1	A	BNA
AC75324-008	10/24/13 12:12	R12	2	A	NONE
AC75324-008	10/24/13 12:12	R12	3	A	NONE
AC75324-008	10/24/13 13:07	JW	3	A	IC
AC75324-008	10/24/13 17:38	R12	3	A	NONE
AC75324-008	10/24/13 18:11	R31	4	A	NONE
AC75324-008	10/24/13 18:11	R31	5	A	NONE
AC75324-008	10/25/13 18:06	WP	5	A	voa
AC75324-008	10/28/13 10:06	R31	5	A	NONE
AC75324-008	10/28/13 13:51	SG	5	A	VOA
AC75324-008	10/24/13 18:11	R31	6	A	NONE
AC75324-009	10/24/13 10:40	RICAR	0	M	Received
AC75324-009	10/24/13 11:34	RICAR	0	M	Login
AC75324-009	10/24/13 12:12	R12	1	A	NONE
AC75324-009	11/05/13 11:26	JU	1	A	tdwi-hg
AC75324-009	11/05/13 12:41	R12	1	A	NONE
AC75324-009	10/24/13 12:12	R12	2	A	NONE
AC75324-009	10/29/13 09:12	ANTH	2	A	cn-w
AC75324-009	10/29/13 12:57	R12	2	A	NONE
AC75324-010	10/24/13 10:40	RICAR	0	M	Received
AC75324-010	10/24/13 11:34	RICAR	0	M	Login
AC75324-010	10/24/13 12:12	R12	1	A	NONE
AC75324-010	10/24/13 12:12	R12	2	A	NONE
AC75324-010	10/30/13 09:31	DYR/JI	2	A	BNA
AC75324-010	10/24/13 12:12	R12	3	A	NONE
AC75324-010	10/24/13 13:07	JW	3	A	IC
AC75324-010	10/24/13 17:38	R12	3	A	NONE
AC75324-010	10/24/13 18:11	R31	4	A	NONE
AC75324-010	10/24/13 18:11	R31	5	A	NONE
AC75324-010	10/25/13 18:06	WP	5	A	voa
AC75324-010	10/28/13 10:06	R31	5	A	NONE
AC75324-010	10/28/13 13:51	SG	5	A	VOA
AC75324-010	10/24/13 18:11	R31	6	A	NONE
AC75324-011	10/24/13 10:40	RICAR	0	M	Received
AC75324-011	10/24/13 11:34	RICAR	0	M	Login
AC75324-011	10/24/13 12:12	R12	1	A	NONE
AC75324-011	10/25/13 11:17	JU	1	A	FILTER
AC75324-011	10/25/13 16:14	R12	1	A	NONE
AC75324-011	11/05/13 11:26	JU	1	A	tdwi-hg
AC75324-011	11/05/13 12:41	R12	1	A	NONE
AC75324-011	10/24/13 12:12	R12	2	A	NONE
AC75324-011	10/29/13 09:12	ANTH	2	A	cn-w
AC75324-011	10/29/13 12:57	R12	2	A	NONE
AC75324-012	10/24/13 10:40	RICAR	0	M	Received
AC75324-012	10/24/13 11:34	RICAR	0	M	Login
AC75324-012	10/24/13 12:12	R12	1	A	NONE
AC75324-012	10/24/13 13:07	JW	1	A	IC
AC75324-012	10/24/13 17:38	R12	1	A	NONE
AC75324-012	10/30/13 15:27	JW	1	A	IC
AC75324-012	10/30/13 16:25	R12	1	A	NONE
AC75324-012	10/29/13 15:20	JW	2	A	ALKALINITY
AC75324-012	10/29/13 17:15	R12	2	A	NONE
AC75324-012	10/24/13 18:11	R31	4	A	NONE
AC75324-012	10/24/13 18:11	R31	5	A	NONE
AC75324-012	10/25/13 18:06	WP	5	A	voa
AC75324-012	10/28/13 10:06	R31	5	A	NONE
AC75324-012	10/28/13 13:51	SG	5	A	VOA
AC75324-012	10/24/13 18:11	R31	6	A	NONE
AC75324-013	10/24/13 10:40	RICAR	0	M	Received

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
AC75324-013	10/24/13 11:34	RICAR	0	M	Login
AC75324-013	10/24/13 12:12	R12	1	A	NONE
AC75324-013	10/25/13 11:17	JU	1	A	FILTER
AC75324-013	10/25/13 16:14	R12	1	A	NONE
AC75324-013	11/05/13 11:26	JU	1	A	tdwi-hg
AC75324-013	11/05/13 12:41	R12	1	A	NONE
AC75324-014	10/24/13 10:40	RICAR	0	M	Received
AC75324-014	10/24/13 11:34	RICAR	0	M	Login
AC75324-014	10/24/13 12:12	R12	1	A	NONE
AC75324-014	10/24/13 12:12	R12	2	A	NONE
AC75324-014	10/30/13 09:31	DYR/JI	2	A	BNA
AC75324-014	10/24/13 12:12	R12	3	A	NONE
AC75324-014	10/24/13 13:07	JW	3	A	IC
AC75324-014	10/24/13 17:38	R12	3	A	NONE
AC75324-014	10/30/13 15:27	JW	3	A	IC
AC75324-014	10/30/13 16:25	R12	3	A	NONE
AC75324-014	10/24/13 18:11	R31	4	A	NONE
AC75324-014	10/24/13 18:11	R31	5	A	NONE
AC75324-014	10/25/13 18:06	WP	5	A	voa
AC75324-014	10/28/13 10:06	R31	5	A	NONE
AC75324-014	10/28/13 13:51	SG	5	A	VOA
AC75324-014	10/24/13 18:11	R31	6	A	NONE
AC75324-015	10/24/13 10:40	RICAR	0	M	Received
AC75324-015	10/24/13 11:34	RICAR	0	M	Login
AC75324-015	10/24/13 12:12	R12	1	A	NONE
AC75324-015	10/25/13 11:17	JU	1	A	FILTER
AC75324-015	10/25/13 16:14	R12	1	A	NONE
AC75324-015	11/05/13 11:26	JU	1	A	tdwi-hg
AC75324-015	11/05/13 12:41	R12	1	A	NONE
AC75324-015	10/24/13 12:12	R12	2	A	NONE
AC75324-015	10/29/13 09:12	ANTH	2	A	cn-w
AC75324-015	10/29/13 12:57	R12	2	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
Project: NYSDOT-Harrison

HCV Project #: 3102406

Lab#: AC75324-001 **Sample ID: TB-10232013**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics + 10 (624)	EPA 624			EPA 624	10/25/13 20:57	WP

Lab#: AC75324-002 **Sample ID: DMW-5-10232013 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		10/30/13	Janee	300.0 rev2.1	10/30/13 20:35	Janee
Semivolatile Organics + 25 (625)	EPA 625	10/30/13	dyr	EPA 625	10/30/13 17:51	AHD/JB
Volatile Organics + 10 (624)	EPA 624			EPA 624	10/29/13 00:39	SG

Lab#: AC75324-003 **Sample ID: DMW-5-10232013 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Cyanide-Water (EPA 335.4)	EPA 335.4	10/28/13	Anthony	EPA 335.4	10/28/13 15:52	af
Mercury (Water) 245.1	245.1 rev3.0	11/05/13	Julijana	245.1 rev3.0	11/7/13 12:27	OA
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 17:56	SRB
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 23:02	SRB
TAL Metals 200.8	EPA 200.2	11/05/13	Julijana	EPA 200.8	11/6/13 17:28	GK

Lab#: AC75324-004 **Sample ID: PC-1-10232013 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Alkalinity-Bicarbonate (SM2320B-97)		10/29/13	JW	SM2320B-97	10/29/13 00:00	JW
Alkalinity-Total (SM2320B-97)		10/29/13	JW	SM2320B-97	10/29/13 00:00	JW
Chloride (Water) 300.0		10/30/13	Janee	300.0 rev2.1	10/30/13 19:45	Janee
Nitrate-N (Water) 300.0		10/24/13	Janee	300.0 rev2.1	10/24/13 17:45	Janee
p-Alkalinity		10/29/13	JW	SM2320B-97	10/29/13 00:00	JW
Semivolatile Organics + 25 (625)	EPA 625	10/30/13	dyr	EPA 625	10/30/13 18:58	AHD/JB
Sulfate (Water) 300.0		10/30/13	Janee	300.0 rev2.1	10/30/13 18:03	Janee
Volatile Organics + 10 (624)	EPA 624			EPA 624	10/28/13 22:49	SG

Laboratory Chronicle

Client: HDR
Project: NYSDOT-Harrison

HCV Project #: 3102406

Lab#: AC75324-005 **Sample ID: PC-1-10232013 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Cyanide-Water (EPA 335.4)	EPA 335.4	10/28/13	Anthony	EPA 335.4	10/28/13 15:54	af
Mercury (Water) 245.1	245.1 rev3.0	11/05/13	Julijana	245.1 rev3.0	11/7/13 12:28	OA
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 18:00	SRB
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 23:06	SRB
TAL Metals 200.8	EPA 200.2	11/05/13	Julijana	EPA 200.8	11/6/13 17:31	GK

Lab#: AC75324-006 **Sample ID: LMW-4-10232013 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		10/24/13	Janee	300.0 rev2.1	10/24/13 19:52	Janee
Semivolatile Organics + 25 (625)	EPA 625	10/30/13	dyr	EPA 625	10/31/13 16:23	AHD/JB
Volatile Organics + 10 (624)	EPA 624			EPA 624	10/28/13 23:08	SG

Lab#: AC75324-007 **Sample ID: LMW-4-10232013 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Cyanide-Water (EPA 335.4)	EPA 335.4	10/29/13	Anthony	EPA 335.4	10/29/13 14:56	af
Mercury (Water) 245.1	245.1 rev3.0	11/05/13	Julijana	245.1 rev3.0	11/7/13 12:30	OA
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 18:04	SRB
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 23:09	SRB
TAL Metals 200.8	EPA 200.2	11/05/13	Julijana	EPA 200.8	11/6/13 17:35	GK

Lab#: AC75324-008 **Sample ID: PC-2-10232013 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		10/24/13	Janee	300.0 rev2.1	10/24/13 20:18	Janee
Semivolatile Organics + 25 (625)	EPA 625	10/30/13	dyr	EPA 625	10/30/13 19:42	AHD/JB
Volatile Organics + 10 (624)	EPA 624			EPA 624	10/28/13 23:26	SG

Laboratory Chronicle

Client: HDR
Project: NYSDOT-Harrison

HCV Project #: 3102406

Lab#: AC75324-009 **Sample ID: PC-2-10232013 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Cyanide-Water (EPA 335.4)	EPA 335.4	10/29/13	Anthony	EPA 335.4	10/29/13 14:58	af
Mercury (Water) 245.1	245.1 rev3.0	11/05/13	Julijana	245.1 rev3.0	11/7/13 12:35	OA
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 18:09	SRB
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 23:12	SRB
TAL Metals 200.8	EPA 200.2	11/05/13	Julijana	EPA 200.8	11/6/13 17:45	GK

Lab#: AC75324-010 **Sample ID: LMW-2-10232013 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		10/24/13	Janee	300.0 rev2.1	10/24/13 20:43	Janee
Semivolatile Organics + 25 (625)	EPA 625	10/30/13	dyr	EPA 625	10/31/13 20:28	AHD/JB
Volatile Organics + 10 (624)	EPA 624			EPA 624	10/28/13 23:45	SG

Lab#: AC75324-011 **Sample ID: LMW-2-10232013 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Cyanide-Water (EPA 335.4)	EPA 335.4	10/29/13	Anthony	EPA 335.4	10/29/13 15:00	af
Mercury (Water) 245.1	245.1 rev3.0	11/05/13	Julijana	245.1 rev3.0	11/7/13 12:36	OA
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 23:14	SRB
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 18:14	SRB
TAL Metals 200.8	EPA 200.2	11/05/13	Julijana	EPA 200.8	11/6/13 17:48	GK

Lab#: AC75324-012 **Sample ID: MW-11-10232013 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Alkalinity-Bicarbonate (SM2320B-97)		10/29/13	JW	SM2320B-97	10/29/13 00:00	JW
Alkalinity-Total (SM2320B-97)		10/29/13	JW	SM2320B-97	10/29/13 00:00	JW
BTEX (624)	EPA 624			EPA 624	10/29/13 00:03	SG
Nitrate-N (Water) 300.0		10/24/13	Janee	300.0 rev2.1	10/24/13 19:01	Janee
p-Alkalinity		10/29/13	JW	SM2320B-97	10/29/13 00:00	JW
Sulfate (Water) 300.0		10/30/13	Janee	300.0 rev2.1	10/30/13 19:19	Janee

Laboratory Chronicle

Client: HDR
Project: NYSDOT-Harrison

HCV Project #: 3102406

Lab#: AC75324-013 **Sample ID: MW-11-10232013 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Metals Pair 200.7	EPA 200.2	11/05/13	Julijana	200.7	11/6/13 18:18	SRB

Lab#: AC75324-014 **Sample ID: PC-3-10232013 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Chloride (Water) 300.0		10/30/13	Janee	300.0 rev2.1	10/30/13 21:01	Janee
Semivolatile Organics + 25 (625)	EPA 625	10/30/13	dyr	EPA 625	10/31/13 16:01	AHD/JB
Volatile Organics + 10 (624)	EPA 624			EPA 624	10/29/13 00:21	SG

Lab#: AC75324-015 **Sample ID: PC-3-10232013 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Cyanide-Water (EPA 335.4)	EPA 335.4	10/29/13	Anthony	EPA 335.4	10/29/13 15:02	af
Mercury (Water) 245.1	245.1 rev3.0	11/05/13	Julijana	245.1 rev3.0	11/7/13 12:38	OA
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 18:40	SRB
TAL Metals 200.7	EPA 200.2	11/05/13	Julijana	EPA 200.7	11/6/13 23:31	SRB
TAL Metals 200.8	EPA 200.2	11/05/13	Julijana	EPA 200.8	11/6/13 17:52	GK

HCV 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

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.

HCV Report Of Analysis

Client: HDR
Project: NYSDOT-Harrison

HCV Project #: 3102406

Sample ID: TB-10232013
Lab#: AC75324-001
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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	5.0	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	10	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: TB-10232013 **Collection Date:** 10/23/2013
Lab#: AC75324-001 **Receipt Date:** 10/24/2013
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: DMW-5-10232013 U
Lab#: AC75324-002
Matrix: Aqueous
Collection Date: 10/23/2013
Receipt Date: 10/24/2013

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**5**	**mg/l**	**10**	**120**

Semivolatile Organics + 25 (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	2.0	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**	**67**
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

Sample ID: DMW-5-10232013 U | **Collection Date: 10/23/2013**
Lab#: AC75324-002 | **Receipt Date: 10/24/2013**
Matrix: Aqueous

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 + 25 (625) Library Searches

Analyte	DF	Units	RT	Result
N-tert-Butyl-1-[(tert-butylimino)methyl	**1**	**ug/l**	**11.74**	**9.6J**
Thiazole, 4-ethyl-2-propyl-	**1**	**ug/l**	**13.7**	**4.6J**
unknown	**1**	**ug/l**	**14.95**	**140J**
Cholest-5-en-3-ol (3.beta.)-	**1**	**ug/l**	**15.13**	**6.3J**
unknown	**1**	**ug/l**	**15.36**	**4.3J**
unknown	**1**	**ug/l**	**15.85**	**230J**
2-Propanol, 1-butoxy-	**1**	**ug/l**	**5.17**	**8.5JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**400J**

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	5.0	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	10	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**	**1.0**

Sample ID: DMW-5-10232013 U **Collection Date: 10/23/2013**
Lab#: AC75324-002 **Receipt Date: 10/24/2013**
Matrix: Aqueous

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

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: DMW-5-10232013 F
Lab#: AC75324-003
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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**	**84**
Calcium	**1**	**ug/l**	**1000**	**52000**
Chromium	1	ug/l	25	ND
Cobalt	1	ug/l	10	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**7900**
Manganese	**1**	**ug/l**	**25**	**730**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**4300**
Selenium	1	ug/l	25	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**99000**
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
Lead	1	ug/l	0.75	ND
Thallium	1	ug/l	1.5	ND

Sample ID: PC-1-10232013 U
Lab#: AC75324-004
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

Alkalinity-Bicarbonate (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	1	mg/l	10	190

Alkalinity-Total (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	1	mg caco3/l	10	190

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	5	mg/l	10	120

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 + 25 (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	2.0	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

Sample ID: PC-1-10232013 U
Lab#: AC75324-004
Matrix: Aqueous
Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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**	**56**
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 + 25 (625) Library Searches

Analyte	DF	Units	RT	Result
Glycine, N-[N-[N-(1-oxodecyl)-L-alanyl]	**1**	**ug/l**	**11.73**	**9.8J**
2'-pivalonaphthone	**1**	**ug/l**	**13.7**	**7.7J**
unknown	**1**	**ug/l**	**14.41**	**6.7J**
unknown	**1**	**ug/l**	**14.95**	**190J**
Cholest-5-en-3-ol (3.beta.)-	**1**	**ug/l**	**15.13**	**18J**
unknown	**1**	**ug/l**	**15.18**	**6.7J**
unknown	**1**	**ug/l**	**15.35**	**7.4J**
unknown	**1**	**ug/l**	**15.86**	**310J**
BIS(TETRAMETHYLENEDITHIOCARBAMATO)COPPE	**1**	**ug/l**	**16.11**	**6.0J**
2-Propanol, 1-butoxy-	**1**	**ug/l**	**5.16**	**4.8JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**570J**

Sulfate (Water) 300.0

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

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	5.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND

Sample ID: PC-1-10232013 U **Collection Date: 10/23/2013**
Lab#: AC75324-004 **Receipt Date: 10/24/2013**
Matrix: Aqueous

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	10	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

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-1-10232013 F
Lab#: AC75324-005
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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**	**51000**
Chromium	1	ug/l	25	ND
Cobalt	1	ug/l	10	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**7900**
Manganese	**1**	**ug/l**	**25**	**740**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**4200**
Selenium	1	ug/l	25	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**98000**
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
Lead	1	ug/l	0.75	ND
Thallium	1	ug/l	1.5	ND

Sample ID: LMW-4-10232013 U
Lab#: AC75324-006
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**1**	**mg/l**	**2.0**	**16**

Semivolatile Organics + 25 (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	2.0	ND
2,4-Dimethylphenol	1	ug/l	0.51	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	0.51	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.51	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	0.51	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	0.51	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**	**110**
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	0.51	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	0.51	ND

Sample ID: LMW-4-10232013 U **Collection Date: 10/23/2013**
Lab#: AC75324-006 **Receipt Date: 10/24/2013**
Matrix: Aqueous

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	0.51	ND
Nitrobenzene	1	ug/l	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.51	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 + 25 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**11.73**	**55J**
unknown	**1**	**ug/l**	**14.4**	**13J**
unknown	**1**	**ug/l**	**14.94**	**11J**
unknown	**1**	**ug/l**	**15.84**	**18J**
2-Propanol, 1-butoxy-	**1**	**ug/l**	**5.16**	**4.6JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**100J**

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	5.0	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**	**10**	**24**
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

Sample ID: LMW-4-10232013 U **Collection Date: 10/23/2013**
Lab#: AC75324-006 **Receipt Date: 10/24/2013**
Matrix: Aqueous

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

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-4-10232013 F
Lab#: AC75324-007
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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**	**190**
Calcium	**1**	**ug/l**	**1000**	**62000**
Chromium	1	ug/l	25	ND
Cobalt	**1**	**ug/l**	**10**	**34**
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**64000**
Magnesium	**1**	**ug/l**	**1000**	**24000**
Manganese	**1**	**ug/l**	**25**	**15000**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**5300**
Selenium	1	ug/l	25	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**34000**
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**	**1.4**
Beryllium	1	ug/l	0.75	ND
Cadmium	1	ug/l	1.0	ND
Lead	1	ug/l	0.75	ND
Thallium	1	ug/l	1.5	ND

Sample ID: PC-2-10232013 U
Lab#: AC75324-008
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	1	mg/l	2.0	25

Semivolatile Organics + 25 (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	2.0	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

Sample ID: PC-2-10232013 U
Lab#: AC75324-008
Matrix: Aqueous
Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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 + 25 (625) Library Searches

Analyte	DF	Units	RT	Result
2-Propanol, 1-butoxy-	**1**	**ug/l**	**5.17**	**5.7JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**5.7J**

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	5.0	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	10	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

Sample ID: PC-2-10232013 U
Lab#: AC75324-008
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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

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-2-10232013 F
Lab#: AC75324-009
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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**	**110**
Calcium	**1**	**ug/l**	**1000**	**78000**
Chromium	1	ug/l	25	ND
Cobalt	1	ug/l	10	ND
Copper	1	ug/l	25	ND
Iron	**1**	**ug/l**	**150**	**21000**
Magnesium	**1**	**ug/l**	**1000**	**21000**
Manganese	**1**	**ug/l**	**25**	**10000**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**4800**
Selenium	1	ug/l	25	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**46000**
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
Lead	1	ug/l	0.75	ND
Thallium	1	ug/l	1.5	ND

Sample ID: LMW-2-10232013 U
Lab#: AC75324-010
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**1**	**mg/l**	**2.0**	**14**

Semivolatile Organics + 25 (625)

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	ug/l	10	ND
1,2,4,5-Tetrachlorobenzene	5	ug/l	10	ND
2,3,4,6-Tetrachlorophenol	5	ug/l	10	ND
2,4,5-Trichlorophenol	5	ug/l	10	ND
2,4,6-Trichlorophenol	5	ug/l	10	ND
2,4-Dichlorophenol	5	ug/l	10	ND
2,4-Dimethylphenol	5	ug/l	2.5	ND
2,4-Dinitrophenol	5	ug/l	50	ND
2,4-Dinitrotoluene	5	ug/l	10	ND
2,6-Dinitrotoluene	5	ug/l	10	ND
2-Chloronaphthalene	5	ug/l	10	ND
2-Chlorophenol	5	ug/l	10	ND
2-Methylnaphthalene	5	ug/l	10	ND
2-Methylphenol	5	ug/l	2.5	ND
2-Nitroaniline	5	ug/l	10	ND
2-Nitrophenol	5	ug/l	10	ND
3&4-Methylphenol	5	ug/l	2.5	ND
3,3'-Dichlorobenzidine	5	ug/l	10	ND
3-Nitroaniline	5	ug/l	10	ND
4,6-Dinitro-2-methylphenol	5	ug/l	50	ND
4-Bromophenyl-phenylether	5	ug/l	10	ND
4-Chloro-3-methylphenol	5	ug/l	10	ND
4-Chloroaniline	5	ug/l	2.5	ND
4-Chlorophenyl-phenylether	5	ug/l	10	ND
4-Nitroaniline	5	ug/l	10	ND
4-Nitrophenol	5	ug/l	10	ND
Acenaphthene	5	ug/l	10	ND
Acenaphthylene	5	ug/l	10	ND
Acetophenone	5	ug/l	10	ND
Anthracene	5	ug/l	10	ND
Atrazine	5	ug/l	10	ND
Benzaldehyde	5	ug/l	10	ND
Benzo[a]anthracene	5	ug/l	10	ND
Benzo[a]pyrene	5	ug/l	10	ND
Benzo[b]fluoranthene	5	ug/l	10	ND
Benzo[g,h,i]perylene	5	ug/l	10	ND
Benzo[k]fluoranthene	5	ug/l	10	ND
bis(2-Chloroethoxy)methane	5	ug/l	10	ND
bis(2-Chloroethyl)ether	5	ug/l	2.5	ND
bis(2-Chloroisopropyl)ether	5	ug/l	10	ND
bis(2-Ethylhexyl)phthalate	5	ug/l	10	ND
Butylbenzylphthalate	5	ug/l	10	ND
Caprolactam	**5**	**ug/l**	**10**	**920**
Carbazole	5	ug/l	10	ND
Chrysene	5	ug/l	10	ND
Dibenzo[a,h]anthracene	5	ug/l	10	ND
Dibenzofuran	5	ug/l	2.5	ND
Diethylphthalate	5	ug/l	10	ND
Dimethylphthalate	5	ug/l	10	ND
Di-n-butylphthalate	5	ug/l	2.5	ND

Sample ID: LMW-2-10232013 U | **Collection Date: 10/23/2013**
Lab#: AC75324-010 | **Receipt Date: 10/24/2013**
Matrix: Aqueous

Di-n-octylphthalate	5	ug/l	10	ND
Fluoranthene	5	ug/l	10	ND
Fluorene	5	ug/l	10	ND
Hexachlorobenzene	5	ug/l	10	ND
Hexachlorobutadiene	5	ug/l	10	ND
Hexachlorocyclopentadiene	5	ug/l	10	ND
Hexachloroethane	5	ug/l	10	ND
Indeno[1,2,3-cd]pyrene	5	ug/l	10	ND
Isophorone	5	ug/l	10	ND
Naphthalene	5	ug/l	2.5	ND
Nitrobenzene	5	ug/l	10	ND
N-Nitroso-di-n-propylamine	5	ug/l	2.5	ND
N-Nitrosodiphenylamine	5	ug/l	10	ND
Pentachlorophenol	5	ug/l	50	ND
Phenanthrene	5	ug/l	10	ND
Phenol	5	ug/l	10	ND
Pyrene	5	ug/l	10	ND

Semivolatile Organics + 25 (625) Library Searches

Analyte	DF	Units	RT	Result
unknown	**5**	**ug/l**	**14.94**	**37J**
unknown	**5**	**ug/l**	**15.84**	**62J**
TotalSemiVolatileTic	**5**	**ug/l**	**NA**	**99J**

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	5.0	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	10	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

Sample ID: LMW-2-10232013 U
Lab#: AC75324-010
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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

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-2-10232013 F
Lab#: AC75324-011
Matrix: Aqueous
Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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**	**110**
Calcium	**1**	**ug/l**	**1000**	**83000**
Chromium	1	ug/l	25	ND
Cobalt	1	ug/l	10	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**31000**
Manganese	**1**	**ug/l**	**25**	**210**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**4400**
Selenium	1	ug/l	25	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**30000**
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
Lead	1	ug/l	0.75	ND
Thallium	1	ug/l	1.5	ND

Sample ID: MW-11-10232013 U
Lab#: AC75324-012
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

Alkalinity-Bicarbonate (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	1	mg/l	10	290

Alkalinity-Total (SM2320B-97)

Analyte	DF	Units	RL	Result
Alkalinity	1	mg caco3/l	10	290

BTEX (624)

Analyte	DF	Units	RL	Result
Benzene	1	ug/l	0.50	2.7
Ethylbenzene	1	ug/l	1.0	24
m&p-Xylenes	1	ug/l	1.0	6.2
o-Xylene	1	ug/l	1.0	2.4
Toluene	1	ug/l	1.0	1.2
Xylenes (Total)	1	ug/l	1.0	8.6

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	3.8

Sample ID: MW-11-10232013 F
Lab#: AC75324-013
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

Metals Pair 200.7

Analyte	DF	Units	RL	Result
Iron	1	ug/l	150	4100
Manganese	1	ug/l	25	3600

Sample ID: PC-3-10232013 U
Lab#: AC75324-014
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

Chloride (Water) 300.0

Analyte	DF	Units	RL	Result
Chloride	**10**	**mg/l**	**20**	**180**

Semivolatile Organics + 25 (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	2.1	ND
2,4-Dimethylphenol	1	ug/l	0.52	ND
2,4-Dinitrophenol	1	ug/l	10	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	0.52	ND
2-Nitroaniline	1	ug/l	2.1	ND
2-Nitrophenol	1	ug/l	2.1	ND
3&4-Methylphenol	1	ug/l	0.52	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	10	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	0.52	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	0.52	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**	**31**
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	0.52	ND
Diethylphthalate	1	ug/l	2.1	ND
Dimethylphthalate	1	ug/l	2.1	ND
Di-n-butylphthalate	1	ug/l	0.52	ND

Sample ID: PC-3-10232013 U **Collection Date: 10/23/2013**
Lab#: AC75324-014 **Receipt Date: 10/24/2013**
Matrix: Aqueous

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	0.52	ND
Nitrobenzene	1	ug/l	2.1	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.52	ND
N-Nitrosodiphenylamine	1	ug/l	2.1	ND
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	1	ug/l	2.1	ND
Phenol	1	ug/l	2.1	ND
Pyrene	1	ug/l	2.1	ND

Semivolatile Organics + 25 (625) Library Searches

Analyte	DF	Units	RT	Result
3-NITRO-4-METHYLPYRAZOLE	**1**	**ug/l**	**14.95**	**88J**
unknown	**1**	**ug/l**	**15.85**	**150J**
2-Propanol, 1-butoxy-	**1**	**ug/l**	**5.16**	**4.5JB**
TotalSemiVolatileTic	**1**	**ug/l**	**NA**	**240J**

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	5.0	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	10	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

Sample ID: PC-3-10232013 U
Lab#: AC75324-014
Matrix: Aqueous
Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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

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-3-10232013 F
Lab#: AC75324-015
Matrix: Aqueous

Collection Date: 10/23/2013
Receipt Date: 10/24/2013

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**	**150**
Calcium	**1**	**ug/l**	**1000**	**76000**
Chromium	1	ug/l	25	ND
Cobalt	1	ug/l	10	ND
Copper	1	ug/l	25	ND
Iron	1	ug/l	150	ND
Magnesium	**1**	**ug/l**	**1000**	**20000**
Manganese	**1**	**ug/l**	**25**	**280**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**2500**	**6400**
Selenium	1	ug/l	25	ND
Silver	1	ug/l	10	ND
Sodium	**1**	**ug/l**	**2500**	**83000**
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
Lead	1	ug/l	0.75	ND
Thallium	1	ug/l	1.5	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M08762.D
Analysis Date: 10/25/13 11:30
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	5.0	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	136777612	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	10	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 #: 283100

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

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 1M08762.D
Analysis Date: 10/25/13 11:30
Date Rec/Extracted:

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 #: 283100

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: 1M08806.D
Analysis Date: 10/28/13 08:53
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	5.0	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	136777612	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	10	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 #: 283100

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

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	DAILY BLANK	Matrix:	Aqueous
Client Id:		Initial Vol:	5ml
Data File:	1M08806.D	Final Vol:	NA
Analysis Date:	10/28/13 08:53	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 #: 283100

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: AC75324-001
Client Id: TB-10232013
Data File: 1M08796.D
Analysis Date: 10/25/13 20:57
Date Rec/Extracted: 10/24/13-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	5.0	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	136777612	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	10	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 #: 283100

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

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-001
Client Id: TB-10232013
Data File: 1M08796.D
Analysis Date: 10/25/13 20:57
Date Rec/Extracted: 10/24/13-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 #: 283100

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: AC75324-002
Client Id: DMW-5-10232013 U
Data File: 1M08862.D
Analysis Date: 10/29/13 00:39
Date Rec/Extracted: 10/24/13-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	5.0	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	136777612	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	10	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**	**1.0**	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

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

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-002
Client Id: DMW-5-10232013 U
Data File: 1M08862.D
Analysis Date: 10/29/13 00:39
Date Rec/Extracted: 10/24/13-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 #: 283100

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: AC75324-004
Client Id: PC-1-10232013 U
Data File: 1M08856.D
Analysis Date: 10/28/13 22:49
Date Rec/Extracted: 10/24/13-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	5.0	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	136777612	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	10	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 #: 283100

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

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-004
Client Id: PC-1-10232013 U
Data File: 1M08856.D
Analysis Date: 10/28/13 22:49
Date Rec/Extracted: 10/24/13-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 #: 283100

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: AC75324-006
Client Id: LMW-4-10232013 U
Data File: 1M08857.D
Analysis Date: 10/28/13 23:08
Date Rec/Extracted: 10/24/13-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	5.0	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	136777612	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**	**10**	**24**	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				

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

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-006
Client Id: LMW-4-10232013 U
Data File: 1M08857.D
Analysis Date: 10/28/13 23:08
Date Rec/Extracted: 10/24/13-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 #: 283100

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: AC75324-008
Client Id: PC-2-10232013 U
Data File: 1M08858.D
Analysis Date: 10/28/13 23:26
Date Rec/Extracted: 10/24/13-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	5.0	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	136777612	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	10	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 #: 283100

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

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-008
Client Id: PC-2-10232013 U
Data File: 1M08858.D
Analysis Date: 10/28/13 23:26
Date Rec/Extracted: 10/24/13-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 #: 283100

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: AC75324-010
Client Id: LMW-2-10232013 U
Data File: 1M08859.D
Analysis Date: 10/28/13 23:45
Date Rec/Extracted: 10/24/13-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	5.0	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	136777612	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	10	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 #: 283100

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 usea

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	AC75324-010	Matrix:	Aqueous
Client Id:	LMW-2-10232013 U	Initial Vol:	5ml
Data File:	1M08859.D	Final Vol:	NA
Analysis Date:	10/28/13 23:45	Dilution:	1.00
Date Rec/Extracted:	10/24/13-NA	Solids:	
		Method:	EPA 624

Units: ug/L

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

Worksheet #: 283100

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: AC75324-012
Client Id: MW-11-10232013 U
Data File: 1M08860.D
Analysis Date: 10/29/13 00:03
Date Rec/Extracted: 10/24/13-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
71-43-2	Benzene	0.50	2.7	95-47-6	o-Xylene	1.0	2.4
100-41-4	Ethylbenzene	1.0	24	108-88-3	Toluene	1.0	1.2
136777612	m&p-Xylenes	1.0	6.2	1330-20-7	Xylenes (Total)	1.0	8.6

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

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC75324-014
Client Id: PC-3-10232013 U
Data File: 1M08861.D
Analysis Date: 10/29/13 00:21
Date Rec/Extracted: 10/24/13-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	5.0	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	136777612	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	10	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 #: 283100

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

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-014
Client Id: PC-3-10232013 U
Data File: 1M08861.D
Analysis Date: 10/29/13 00:21
Date Rec/Extracted: 10/24/13-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 #: 283100

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: MBS31163

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M08371.D	AC75043-004(MS)	10/15/2013 12:41:00 P
Non Spike(If applicable):	1M08293.D	AC75043-004	10/12/2013 2:56:00 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	20.085	0	20	100	1	273
Bromomethane	1	18.4118	0	20	92	1	242
Vinyl Chloride	1	20.1478	0	20	101	1	251
Chloroethane	1	17.3555	0	20	87	14	230
Trichlorofluoromethane	1	18.3935	0	20	92	17	181
Methylene Chloride	1	19.7563	0	20	99	1	221
1,1-Dichloroethene	1	21.0637	0	20	105	1	234
1,1-Dichloroethane	1	21.453	0	20	107	59	155
trans-1,2-Dichloroethene	1	21.0359	0	20	105	54	156
Chloroform	1	19.9272	0	20	100	51	138
1,2-Dichloroethane	1	19.8644	0	20	99	49	155
1,1,1-Trichloroethane	1	18.2291	0	20	91	52	162
Carbon Tetrachloride	1	17.2747	0	20	86	70	140
Bromodichloromethane	1	18.416	0	20	92	35	155
1,2-Dichloropropane	1	23.7121	0	20	119	1	210
Trichloroethene	1	20.1457	0	20	101	71	157
Benzene	1	22.2655	0	20	111	37	151
Dibromochloromethane	1	15.2435	0	20	76	53	149
2-Chloroethylvinylether	1	0	0	20	0*	1	305
cis-1,3-Dichloropropene	1	16.0916	0	20	80	1	227
trans-1,3-Dichloropropene	1	12.7931	0	20	64	17	183
1,1,2-Trichloroethane	1	18.1904	0	20	91	52	150
Tetrachloroethene	1	19.03	0	20	95	64	148
Toluene	1	19.8544	0	20	99	47	150
Chlorobenzene	1	18.6303	0	20	93	37	160
Bromoform	1	12.312	0	20	62	45	169
Ethylbenzene	1	20.5066	0	20	103	37	162
1,1,2,2-Tetrachloroethane	1	18.1549	0	20	91	46	157
1,3-Dichlorobenzene	1	19.4204	0	20	97	59	156
1,4-Dichlorobenzene	1	17.2459	0	20	86	18	190
1,2-Dichlorobenzene	1	17.2499	0	20	86	18	190

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

Form3
Recovery Data
QC Batch: MBS31163

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M08372.D	AC75043-004(MSD)	10/15/2013 12:57:00 P
Non Spike(If applicable):	1M08293.D	AC75043-004	10/12/2013 2:56:00 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	19.1221	0	20	96	1	273
Bromomethane	1	21.5736	0	20	108	1	242
Vinyl Chloride	1	19.235	0	20	96	1	251
Chloroethane	1	17.9457	0	20	90	14	230
Trichlorofluoromethane	1	17.9666	0	20	90	17	181
Methylene Chloride	1	18.9108	0	20	95	1	221
1,1-Dichloroethene	1	19.0046	0	20	95	1	234
1,1-Dichloroethane	1	19.8658	0	20	99	59	155
trans-1,2-Dichloroethene	1	19.6229	0	20	98	54	156
Chloroform	1	19.031	0	20	95	51	138
1,2-Dichloroethane	1	19.5177	0	20	98	49	155
1,1,1-Trichloroethane	1	17.1467	0	20	86	52	162
Carbon Tetrachloride	1	16.9868	0	20	85	70	140
Bromodichloromethane	1	18.6698	0	20	93	35	155
1,2-Dichloropropane	1	22.3502	0	20	112	1	210
Trichloroethene	1	19.9325	0	20	100	71	157
Benzene	1	21.6932	0	20	108	37	151
Dibromochloromethane	1	15.8308	0	20	79	53	149
2-Chloroethylvinylether	1	0	0	20	0*	1	305
cis-1,3-Dichloropropene	1	15.6598	0	20	78	1	227
trans-1,3-Dichloropropene	1	12.8457	0	20	64	17	183
1,1,2-Trichloroethane	1	18.4706	0	20	92	52	150
Tetrachloroethene	1	18.8035	0	20	94	64	148
Toluene	1	19.9131	0	20	100	47	150
Chlorobenzene	1	18.8773	0	20	94	37	160
Bromoform	1	13.3694	0	20	67	45	169
Ethylbenzene	1	19.5771	0	20	98	37	162
1,1,2,2-Tetrachloroethane	1	17.5669	0	20	88	46	157
1,3-Dichlorobenzene	1	18.3161	0	20	92	59	156
1,4-Dichlorobenzene	1	17.3856	0	20	87	18	190
1,2-Dichlorobenzene	1	16.8979	0	20	84	18	190

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

Form3
Recovery Data
QC Batch: MBS31169

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M08384.D	AC75034-001(MS)	10/15/2013 4:17:00 PM
Non Spike(If applicable):	1M08299.D	AC75034-001	10/12/2013 4:37:00 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	17.9249	0	20	90	1	273
Bromomethane	1	17.5216	0	20	88	1	242
Vinyl Chloride	1	16.2139	0	20	81	1	251
Chloroethane	1	16.4595	0	20	82	14	230
Trichlorofluoromethane	1	16.5826	0	20	83	17	181
Methylene Chloride	1	18.4614	1.0862	20	87	1	221
1,1-Dichloroethene	1	18.8292	0	20	94	1	234
1,1-Dichloroethane	1	18.765	0	20	94	59	155
trans-1,2-Dichloroethene	1	19.582	0	20	98	54	156
Chloroform	1	17.4189	0	20	87	51	138
1,2-Dichloroethane	1	17.8542	0	20	89	49	155
1,1,1-Trichloroethane	1	16.0897	0	20	80	52	162
Carbon Tetrachloride	1	16.7114	0	20	84	70	140
Bromodichloromethane	1	17.8971	0	20	89	35	155
1,2-Dichloropropane	1	20.3143	0	20	102	1	210
Trichloroethene	1	19.3145	0	20	97	71	157
Benzene	1	20.4816	0	20	102	37	151
Dibromochloromethane	1	15.0604	0	20	75	53	149
2-Chloroethylvinylether	1	0	0	20	0*	1	305
cis-1,3-Dichloropropene	1	13.7806	0	20	69	1	227
trans-1,3-Dichloropropene	1	10.7744	0	20	54	17	183
1,1,2-Trichloroethane	1	16.832	0	20	84	52	150
Tetrachloroethene	1	17.0884	0	20	85	64	148
Toluene	1	17.5276	0	20	88	47	150
Chlorobenzene	1	17.4425	0	20	87	37	160
Bromoform	1	12.5222	0	20	63	45	169
Ethylbenzene	1	19.5631	0	20	98	37	162
1,1,2,2-Tetrachloroethane	1	15.6824	0	20	78	46	157
1,3-Dichlorobenzene	1	17.4481	0	20	87	59	156
1,4-Dichlorobenzene	1	15.6493	0	20	78	18	190
1,2-Dichlorobenzene	1	15.7989	0	20	79	18	190

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

Form3
Recovery Data
QC Batch: MBS31169

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M08385.D	AC75034-001(MSD)	10/15/2013 4:34:00 PM
Non Spike(If applicable):	1M08299.D	AC75034-001	10/12/2013 4:37:00 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	15.9926	0	20	80	1	273
Bromomethane	1	17.0602	0	20	85	1	242
Vinyl Chloride	1	16.9316	0	20	85	1	251
Chloroethane	1	15.6231	0	20	78	14	230
Trichlorofluoromethane	1	16.7195	0	20	84	17	181
Methylene Chloride	1	17.1605	1.0862	20	80	1	221
1,1-Dichloroethene	1	17.8311	0	20	89	1	234
1,1-Dichloroethane	1	17.4675	0	20	87	59	155
trans-1,2-Dichloroethene	1	18.6718	0	20	93	54	156
Chloroform	1	17.0568	0	20	85	51	138
1,2-Dichloroethane	1	17.0153	0	20	85	49	155
1,1,1-Trichloroethane	1	16.0275	0	20	80	52	162
Carbon Tetrachloride	1	16.1389	0	20	81	70	140
Bromodichloromethane	1	16.7414	0	20	84	35	155
1,2-Dichloropropane	1	19.3993	0	20	97	1	210
Trichloroethene	1	18.2473	0	20	91	71	157
Benzene	1	18.8513	0	20	94	37	151
Dibromochloromethane	1	15.0869	0	20	75	53	149
2-Chloroethylvinylether	1	0	0	20	0*	1	305
cis-1,3-Dichloropropene	1	13.4484	0	20	67	1	227
trans-1,3-Dichloropropene	1	10.4905	0	20	52	17	183
1,1,2-Trichloroethane	1	16.7142	0	20	84	52	150
Tetrachloroethene	1	17.0053	0	20	85	64	148
Toluene	1	17.1704	0	20	86	47	150
Chlorobenzene	1	16.7205	0	20	84	37	160
Bromoform	1	12.893	0	20	64	45	169
Ethylbenzene	1	17.6021	0	20	88	37	162
1,1,2,2-Tetrachloroethane	1	16.2266	0	20	81	46	157
1,3-Dichlorobenzene	1	16.6082	0	20	83	59	156
1,4-Dichlorobenzene	1	14.9936	0	20	75	18	190
1,2-Dichlorobenzene	1	15.1316	0	20	76	18	190

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

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB29082
Client Id:
Data File: 10M40846.D
Analysis Date: 10/30/13 17:28
Date Rec/Extracted: NA-10/30/13
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	2.0	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 #: 283066

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

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: WMB29082
Client Id:
Data File: 10M40846.D
Analysis Date: 10/30/13 17:28
Date Rec/Extracted: NA-10/30/13

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

Units: ug/L

	Cas #	Compound	RT	Conc
1	5131-66-8	2-Propanol, 1-butoxy-	5.16	<10%
2		unknown	5.61	<10%

Worksheet #: 283066

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 SEMIVOLATILE REPORT

Sample Number: AC75324-002
Client Id: DMW-5-10232013 U
Data File: 10M40847.D
Analysis Date: 10/30/13 17:51
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
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	2.0	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**	**67**
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				

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

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-002
Client Id: DMW-5-10232013 U
Data File: 10M40847.D
Analysis Date: 10/30/13 17:51
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1	5131-66-8	2-Propanol, 1-butoxy-	5.17	8.5 JB
2	31336-10-4	N-tert-Butyl-1-[(tert-butylimino)methyl]	11.74	9.6 J
3	41981-68-4	Thiazole, 4-ethyl-2-propyl-	13.70	4.6 J
4		unknown	14.95	140 J
5	57-88-5	Cholest-5-en-3-ol (3.beta.)-	15.13	6.3 J
6		unknown	15.36	4.3 J
7		unknown	15.85	230 J

Worksheet #: 283066

Total Tentatively Identified Concentration 400

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: AC75324-004
Client Id: PC-1-10232013 U
Data File: 10M40850.D
Analysis Date: 10/30/13 18:58
Date Rec/Extracted: 10/24/13-10/30/13
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	2.0	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**	**56**
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				

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

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-004
Client Id: PC-1-10232013 U
Data File: 10M40850.D
Analysis Date: 10/30/13 18:58
Date Rec/Extracted: 10/24/13-10/30/13

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

Units: ug/L

	Cas #	Compound	RT	Conc
1	5131-66-8	2-Propanol, 1-butoxy-	5.16	4.8 JB
2	35146-55-5	Glycine, N-[N-[N-(1-oxodecyl)-L-alanyl]g	11.73	9.8 J
3	7270-99-7	2'-pivalonaphthone	13.70	7.7 J
4		unknown	14.41	6.7 J
5		unknown	14.95	190 J
6	57-88-5	Cholest-5-en-3-ol (3.beta.)-	15.13	18 J
7		unknown	15.18	6.7 J
8		unknown	15.35	7.4 J
9		unknown	15.86	310 J
10	23301-60-2	BIS(TETRAMETHYLENEDITHIOCARB	16.11	6.0 J

Worksheet #: 283066

Total Tentatively Identified Concentration 570

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: AC75324-006
Client Id: LMW-4-10232013 U
Data File: 10M40877.D
Analysis Date: 10/31/13 16:23
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 990ml
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	0.51	U
120-83-2	2,4-Dichlorophenol	2.0	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
105-67-9	2,4-Dimethylphenol	0.51	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**	**110**
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	0.51	U
95-48-7	2-Methylphenol	0.51	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	0.51	U
106-44-5	3&4-Methylphenol	0.51	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	0.51	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	0.51	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	0.51	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 #: 283066

Total Target Concentration 110

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

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-006
Client Id: LMW-4-10232013 U
Data File: 10M40877.D
Analysis Date: 10/31/13 16:23
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 990ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1	5131-66-8	2-Propanol, 1-butoxy-	5.16	4.6 JB
2		unknown	11.73	55 J
3		unknown	14.40	13 J
4		unknown	14.94	11 J
5		unknown	15.84	18 J

Worksheet #: 283066

Total Tentatively Identified Concentration 100

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: AC75324-008
Client Id: PC-2-10232013 U
Data File: 10M40852.D
Analysis Date: 10/30/13 19:42
Date Rec/Extracted: 10/24/13-10/30/13
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	2.0	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 #: 283066

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

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-008
Client Id: PC-2-10232013 U
Data File: 10M40852.D
Analysis Date: 10/30/13 19:42
Date Rec/Extracted: 10/24/13-10/30/13

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

Units: ug/L

	Cas #	Compound	RT	Conc
1	5131-66-8	2-Propanol, 1-butoxy-	5.17	5.7 JB

Worksheet #: 283066

Total Tentatively Identified Concentration 5.7

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: AC75324-010(5X)
Client Id: LMW-2-10232013 U
Data File: 10M40888.D
Analysis Date: 10/31/13 20:28
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 5
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	10	U	205-99-2	Benzo[b]fluoranthene	10	U
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	191-24-2	Benzo[g,h,i]perylene	10	U
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	207-08-9	Benzo[k]fluoranthene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U	111-91-1	bis(2-Chloroethoxy)methan	10	U
88-06-2	2,4,6-Trichlorophenol	10	U	111-44-4	bis(2-Chloroethyl)ether	2.5	U
120-83-2	2,4-Dichlorophenol	10	U	108-60-1	bis(2-chloroisopropyl)ether	10	U
105-67-9	2,4-Dimethylphenol	2.5	U	117-81-7	bis(2-Ethylhexyl)phthalate	10	U
51-28-5	2,4-Dinitrophenol	50	U	85-68-7	Butylbenzylphthalate	10	U
121-14-2	2,4-Dinitrotoluene	10	U	**105-60-2**	**Caprolactam**	**10**	**920**
606-20-2	2,6-Dinitrotoluene	10	U	86-74-8	Carbazole	10	U
91-58-7	2-Chloronaphthalene	10	U	218-01-9	Chrysene	10	U
95-57-8	2-Chlorophenol	10	U	53-70-3	Dibenzo[a,h]anthracene	10	U
91-57-6	2-Methylnaphthalene	10	U	132-64-9	Dibenzofuran	2.5	U
95-48-7	2-Methylphenol	2.5	U	84-66-2	Diethylphthalate	10	U
88-74-4	2-Nitroaniline	10	U	131-11-3	Dimethylphthalate	10	U
88-75-5	2-Nitrophenol	10	U	84-74-2	Di-n-butylphthalate	2.5	U
106-44-5	3&4-Methylphenol	2.5	U	117-84-0	Di-n-octylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U	206-44-0	Fluoranthene	10	U
99-09-2	3-Nitroaniline	10	U	86-73-7	Fluorene	10	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U	118-74-1	Hexachlorobenzene	10	U
101-55-3	4-Bromophenyl-phenylether	10	U	87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U	77-47-4	Hexachlorocyclopentadiene	10	U
106-47-8	4-Chloroaniline	2.5	U	67-72-1	Hexachloroethane	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U	193-39-5	Indeno[1,2,3-cd]pyrene	10	U
100-01-6	4-Nitroaniline	10	U	78-59-1	Isophorone	10	U
100-02-7	4-Nitrophenol	10	U	91-20-3	Naphthalene	2.5	U
83-32-9	Acenaphthene	10	U	98-95-3	Nitrobenzene	10	U
208-96-8	Acenaphthylene	10	U	621-64-7	N-Nitroso-di-n-propylamine	2.5	U
98-86-2	Acetophenone	10	U	86-30-6	n-Nitrosodiphenylamine	10	U
120-12-7	Anthracene	10	U	87-86-5	Pentachlorophenol	50	U
1912-24-9	Atrazine	10	U	85-01-8	Phenanthrene	10	U
100-52-7	Benzaldehyde	10	U	108-95-2	Phenol	10	U
56-55-3	Benzo[a]anthracene	10	U	129-00-0	Pyrene	10	U
50-32-8	Benzo[a]pyrene	10	U				

Worksheet #: 283066

Total Target Concentration 920

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 usea

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

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-010(5X)
Client Id: LMW-2-10232013 U
Data File: 10M40888.D
Analysis Date: 10/31/13 20:28
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 5
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	14.94	37 J
2		unknown	15.84	62 J

Worksheet #: 283066

Total Tentatively Identified Concentration 99

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: AC75324-014
Client Id: PC-3-10232013 U
Data File: 10M40876.D
Analysis Date: 10/31/13 16:01
Date Rec/Extracted: 10/24/13-10/30/13
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 625
Matrix: Aqueous
Initial Vol: 970ml
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	0.52	U
120-83-2	2,4-Dichlorophenol	2.1	U	108-60-1	bis(2-chloroisopropyl)ether	2.1	U
105-67-9	2,4-Dimethylphenol	0.52	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.1	U
51-28-5	2,4-Dinitrophenol	10	U	85-68-7	Butylbenzylphthalate	2.1	U
121-14-2	2,4-Dinitrotoluene	2.1	U	**105-60-2**	**Caprolactam**	**2.1**	**31**
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	0.52	U
95-48-7	2-Methylphenol	0.52	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	0.52	U
106-44-5	3&4-Methylphenol	0.52	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	10	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	0.52	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	0.52	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	0.52	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	10	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				

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

Form1e

ORGANICS SEMIVOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC75324-014
Client Id: PC-3-10232013 U
Data File: 10M40876.D
Analysis Date: 10/31/13 16:01
Date Rec/Extracted: 10/24/13-10/30/13

Matrix: Aqueous
Initial Vol: 970ml
Final Vol: 1ml
Dilution: 1
Solids:
Method: EPA 625

Units: ug/L

	Cas #	Compound	RT	Conc
1	5131-66-8	2-Propanol, 1-butoxy-	5.16	4.5 JB
2	38858-90-1	3-NITRO-4-METHYLPYRAZOLE	14.95	88 J
3		unknown	15.85	150 J

Worksheet #: 283066

Total Tentatively Identified Concentration 240

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

FORM2

Surrogate Recovery

Method: EPA 625

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
10M40846.D	WMB29082	Aqueous	10/30/13 17:28	1		38	22*	100	104	105	107
10M40847.D	AC75324-002	Aqueous	10/30/13 17:51	1		59	40	105	106	113	112
10M40850.D	AC75324-004	Aqueous	10/30/13 18:58	1		33	19*	103	104	101	111
10M40877.D	AC75324-006	Aqueous	10/31/13 16:23	1		35	21*	97	96	107	100
10M40852.D	AC75324-008	Aqueous	10/30/13 19:42	1		37	21*	100	101	105	106
10M40888.D	AC75324-010(	Aqueous	10/31/13 20:28	5	SD	30	17*	85	93	78	95
10M40876.D	AC75324-014	Aqueous	10/31/13 16:01	1		35	21*	94	99	99	98
10M40844.D	WMB29082(M	Aqueous	10/30/13 16:44	1		43	25*	107	104	110	118
10M40848.D	AC75324-002(	Aqueous	10/30/13 18:13	1		58	39	100	84	104	111
10M40849.D	AC75324-002(	Aqueous	10/30/13 18:35	1		62	42	104	90	104	116

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 625

Aqueous Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	29-113
S2=Phenol-d5	100	27-115
S3=Nitrobenzene-d5	50	51-139
S4=2-Fluorobiphenyl	50	53-129
S5=2,4,6-Tribromophenol	100	54-149
S6=Terphenyl-d14	50	55-146

Form1
Inorganic Analysis Data Sheet

Sample ID:	AC75324-003	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	DMW-5-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	0613DNEW	19	MS	MS3_7700AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	19	MS	MS3_7700AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	19	MS	MS3_7700AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	19	MS	MS3_7700AQA
7439-92-1	Lead	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	19	MS	MS3_7700AQA
7440-28-0	Thallium	1.5	ND	1	100	125	11/06/13	27348	0613DNEW	19	MS	MS3_7700AQA

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:	AC75324-003	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	DMW-5-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-39-3	Barium	25	84	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-70-2	Calcium	1000	52000	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-48-4	Cobalt	10	ND	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7439-89-6	Iron	150	ND	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7439-95-4	Magnesium	1000	7900	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7439-96-5	Manganese	25	730	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	11/07/13	27348	H15635A	18	CV	HGCV1A
7440-02-0	Nickel	10	ND	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-09-7	Potassium	2500	4300	1	100	50	11/06/13	27348	A15635B2	21	P	PEICPRAD2A
7782-49-2	Selenium	25	ND	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-22-4	Silver	10	ND	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-23-5	Sodium	2500	99000	1	100	50	11/06/13	27348	A15635B2	21	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	11/06/13	27348	A15635A2	22	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	11/06/13	27348	A15635A2	22	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:	AC75324-005	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PC-1-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	0613DNEW	20	MS	MS3_7700AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	20	MS	MS3_7700AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	20	MS	MS3_7700AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	20	MS	MS3_7700AQA
7439-92-1	Lead	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	20	MS	MS3_7700AQA
7440-28-0	Thallium	1.5	ND	1	100	125	11/06/13	27348	0613DNEW	20	MS	MS3_7700AQA

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:	AC75324-005	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PC-1-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-39-3	Barium	25	86	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-70-2	Calcium	1000	51000	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-48-4	Cobalt	10	ND	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7439-89-6	Iron	150	ND	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7439-95-4	Magnesium	1000	7900	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7439-96-5	Manganese	25	740	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	11/07/13	27348	H15635A	19	CV	HGCV1A
7440-02-0	Nickel	10	ND	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-09-7	Potassium	2500	4200	1	100	50	11/06/13	27348	A15635B2	22	P	PEICPRAD2A
7782-49-2	Selenium	25	ND	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-22-4	Silver	10	ND	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-23-5	Sodium	2500	98000	1	100	50	11/06/13	27348	A15635B2	22	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	11/06/13	27348	A15635A2	23	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	11/06/13	27348	A15635A2	23	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:	AC75324-007	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	LMW-4-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	0613DNEW	21	MS	MS3_7700AQA
7440-38-2	Arsenic	1.0	1.4	1	100	125	11/06/13	27348	0613DNEW	21	MS	MS3_7700AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	21	MS	MS3_7700AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	21	MS	MS3_7700AQA
7439-92-1	Lead	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	21	MS	MS3_7700AQA
7440-28-0	Thallium	1.5	ND	1	100	125	11/06/13	27348	0613DNEW	21	MS	MS3_7700AQA

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:	AC75324-007	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	LMW-4-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-39-3	Barium	25	190	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-70-2	Calcium	1000	62000	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-48-4	Cobalt	10	34	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7439-89-6	Iron	150	64000	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7439-95-4	Magnesium	1000	24000	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7439-96-5	Manganese	25	15000	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	11/07/13	27348	H15635A	20	CV	HGCV1A
7440-02-0	Nickel	10	ND	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-09-7	Potassium	2500	5300	1	100	50	11/06/13	27348	A15635B2	23	P	PEICPRAD2A
7782-49-2	Selenium	25	ND	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-22-4	Silver	10	ND	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-23-5	Sodium	2500	34000	1	100	50	11/06/13	27348	A15635B2	23	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	11/06/13	27348	A15635A2	24	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	11/06/13	27348	A15635A2	24	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:	AC75324-009	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PC-2-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	0613DNEW	24	MS	MS3_7700AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	24	MS	MS3_7700AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	24	MS	MS3_7700AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	24	MS	MS3_7700AQA
7439-92-1	Lead	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	24	MS	MS3_7700AQA
7440-28-0	Thallium	1.5	ND	1	100	125	11/06/13	27348	0613DNEW	24	MS	MS3_7700AQA

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:	AC75324-009	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PC-2-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-39-3	Barium	25	110	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-70-2	Calcium	1000	78000	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-48-4	Cobalt	10	ND	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7439-89-6	Iron	150	21000	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7439-95-4	Magnesium	1000	21000	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7439-96-5	Manganese	25	10000	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	11/07/13	27348	H15635A	23	CV	HGCV1A
7440-02-0	Nickel	10	ND	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-09-7	Potassium	2500	4800	1	100	50	11/06/13	27348	A15635B2	24	P	PEICPRAD2A
7782-49-2	Selenium	25	ND	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-22-4	Silver	10	ND	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-23-5	Sodium	2500	46000	1	100	50	11/06/13	27348	A15635B2	24	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	11/06/13	27348	A15635A2	25	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	11/06/13	27348	A15635A2	25	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:	AC75324-011	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	LMW-2-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	0613DNEW	25	MS	MS3_7700AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	25	MS	MS3_7700AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	25	MS	MS3_7700AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	25	MS	MS3_7700AQA
7439-92-1	Lead	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	25	MS	MS3_7700AQA
7440-28-0	Thallium	1.5	ND	1	100	125	11/06/13	27348	0613DNEW	25	MS	MS3_7700AQA

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:	AC75324-011	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	LMW-2-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-39-3	Barium	25	110	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-70-2	Calcium	1000	83000	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-48-4	Cobalt	10	ND	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7439-89-6	Iron	150	ND	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7439-95-4	Magnesium	1000	31000	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7439-96-5	Manganese	25	210	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	11/07/13	27348	H15635A	24	CV	HGCV1A
7440-02-0	Nickel	10	ND	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-09-7	Potassium	2500	4400	1	100	50	11/06/13	27348	A15635B2	25	P	PEICPRAD2A
7782-49-2	Selenium	25	ND	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-22-4	Silver	10	ND	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-23-5	Sodium	2500	30000	1	100	50	11/06/13	27348	A15635B2	25	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	11/06/13	27348	A15635A2	26	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	11/06/13	27348	A15635A2	26	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:	AC75324-013	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	MW-11-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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
7439-89-6	Iron	150	4100	1	100	50	11/06/13	27348	A15635A2	27	P	PEICP2A
7439-96-5	Manganese	25	3600	1	100	50	11/06/13	27348	A15635A2	27	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:	AC75324-015	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PC-3-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	0613DNEW	26	MS	MS3_7700AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	26	MS	MS3_7700AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	26	MS	MS3_7700AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	26	MS	MS3_7700AQA
7439-92-1	Lead	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	26	MS	MS3_7700AQA
7440-28-0	Thallium	1.5	ND	1	100	125	11/06/13	27348	0613DNEW	26	MS	MS3_7700AQA

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:	AC75324-015	% Solid:	0	Lab Name:	Veritech	Nras No:	
Client Id:	PC-3-10232013 F	Units:	UG/L	Lab Code:		Sdg No:	
Matrix:	AQUEOUS	Date Rec:	10/24/2013	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	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-39-3	Barium	25	150	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-70-2	Calcium	1000	76000	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-48-4	Cobalt	10	ND	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7439-89-6	Iron	150	ND	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7439-95-4	Magnesium	1000	20000	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7439-96-5	Manganese	25	280	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7439-97-6	Mercury	0.20	ND	1	25	25	11/07/13	27348	H15635A	25	CV	HGCV1A
7440-02-0	Nickel	10	ND	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-09-7	Potassium	2500	6400	1	100	50	11/06/13	27348	A15635B2	30	P	PEICPRAD2A
7782-49-2	Selenium	25	ND	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-22-4	Silver	10	ND	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-23-5	Sodium	2500	83000	1	100	50	11/06/13	27348	A15635B2	30	P	PEICPRAD2A
7440-62-2	Vanadium	25	ND	1	100	50	11/06/13	27348	A15635A2	32	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	11/06/13	27348	A15635A2	32	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 27348 % Solid: 0 Lab Name: Veritech
Client Id: MB 27348 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	11/06/13	27348	0613DNEW	12	MS	MS3_7700AQA
7440-38-2	Arsenic	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	12	MS	MS3_7700AQA
7440-41-7	Beryllium	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	12	MS	MS3_7700AQA
7440-43-9	Cadmium	1.0	ND	1	100	125	11/06/13	27348	0613DNEW	12	MS	MS3_7700AQA
7439-92-1	Lead	0.75	ND	1	100	125	11/06/13	27348	0613DNEW	12	MS	MS3_7700AQA
7440-28-0	Thallium	1.5	ND	1	100	125	11/06/13	27348	0613DNEW	12	MS	MS3_7700AQA

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 27348 (0.5) % Solid: 0 Lab Name: Veritech
Client Id: MB 27348 (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	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-36-0	Antimony	7.5	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-38-2	Arsenic	20	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-39-3	Barium	25	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-41-7	Beryllium	4.0	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-43-9	Cadmium	2.0	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-70-2	Calcium	1000	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-47-3	Chromium	25	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-48-4	Cobalt	10	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-50-8	Copper	25	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7439-89-6	Iron	150	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7439-92-1	Lead	5.0	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7439-95-4	Magnesium	1000	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7439-96-5	Manganese	25	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7439-98-7	Molybdenum	10	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-02-0	Nickel	10	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-09-7	Potassium	2500	ND	1	100	50	11/06/13	27348	A15635B2	10	P	PEICPRAD2A
7782-49-2	Selenium	25	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-22-4	Silver	10	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-23-5	Sodium	2500	ND	1	100	50	11/06/13	27348	A15635B2	10	P	PEICPRAD2A
7440-28-0	Thallium	5.0	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-31-5	Tin	25	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-32-6	Titanium	25	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-62-2	Vanadium	25	ND	1	100	50	11/06/13	27348	A15635A2	11	P	PEICP2A
7440-66-6	Zinc	25	ND	1	100	50	11/06/13	27348	A15635A2	11	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 27348 (1) % Solid: 0 Lab Name: Veritech
Client Id: MB 27348 (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	11/07/13	27348	H15635A	11	CV	HGCV1A

Comments: _____

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: 11/06/13
Data File: A15635A2
Prep Batch: 27348
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: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-174666-8	CCB-20	CCB-31	CCB-40	CCB-50	MB 27348 (0.5)-11		
Aluminum	.2 U	.2 U	.2 U	.2 U	.2 U	.1 U		
Antimony	.015 U	.015 U	.015 U	.015 U	.015 U	.0075 U		
Arsenic	.04 U	.04 U	.04 U	.04 U	.04 U	.02 U		
Barium	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U		
Beryllium	.008 U	.008 U	.008 U	.008 U	.008 U	.004 U		
Cadmium	.004 U	.004 U	.004 U	.004 U	.004 U	.002 U		
Calcium	2 U	2 U	2 U	2 U	2 U	1 U		
Chromium	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U		
Cobalt	.02 U	.02 U	.02 U	.02 U	.02 U	.01 U		
Copper	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U		
Iron	.3 U	.3 U	.3 U	.3 U	.3 U	.15 U		
Lead	.01 U	.01 U	.01 U	.01 U	.01 U	.005 U		
Magnesium	2 U	2 U	2 U	2 U	2 U	1 U		
Manganese	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U		
Molybdenum	.02 U	.02 U	.02 U	.02 U	.02 U	.01 U		
Nickel	.02 U	.02 U	.02 U	.02 U	.02 U	.01 U		
Selenium	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U		
Silver	.02 U	.02 U	.02 U	.02 U	.02 U	.01 U		
Thallium	.01 U	.01 U	.01 U	.01 U	.01 U	.005 U		
Vanadium	.05 U	.05 U	.05 U	.05 U	.05 U	.025 U		
Zinc	.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: 11/06/13
Data File: A15635B2
Prep Batch: 27348
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: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-174666-7	CCB-19	CCB-29	CCB-40	MB 27348 (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: 11/07/13
Data File: A15635C2
Prep Batch: 27348
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: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-174666-7	CCB-17	CCB-23					
Sodium	5 U	5 U	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: 11/07/13
Data File: H15635A
Prep Batch: 27348
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: HGCV1A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB-10	CCB-22	CCB-34	CCB-41	MB 27348 (1)-11			
Mercury	.2 U	.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

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 11/06/13
Data File: W110613DNEW
Prep Batch: 27348
Reporting Limits Used: AQUEOUS,200.7(ICP)/200.8(ICPMS)/245.1(Hg)
Instrument: MS3_7700AQA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 3102406

Lab Name: Veritech
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	CCB V-176106-11	CCB V-176106-23	CCB V-176106-35	CCB V-176106-40	MB 27348-12			
Antimony	2 U	2 U	2 U	2 U	2.5 U			
Arsenic	.8 U	.8 U	.8 U	.8 U	1 U			
Beryllium	.6 U	.6 U	.6 U	.6 U	.75 U			
Cadmium	.8 U	.8 U	.8 U	.8 U	1 U			
Lead	.6 U	.6 U	.6 U	.6 U	.75 U			
Thallium	1.2 U	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

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 27348

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: AC75323-002

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	27348	A15635A2	17	A15635A2	16	5.6176	5.6685	.9	20
Antimony	27348	A15635A2	17	A15635A2	16	0.5551	0.5585	.6	20
Arsenic	27348	A15635A2	17	A15635A2	16	0.5569	0.5691	2.2	20
Barium	27348	A15635A2	17	A15635A2	16	1.0274	1.0459	1.8	20
Beryllium	27348	A15635A2	17	A15635A2	16	0.4758	0.4785	.56	20
Cadmium	27348	A15635A2	17	A15635A2	16	0.5463	0.5521	1	20
Calcium	27348	A15635A2	17	A15635A2	16	349.1310	357.5140	2.4	20
Chromium	27348	A15635A2	17	A15635A2	16	0.4702	0.4758	1.2	20
Cobalt	27348	A15635A2	17	A15635A2	16	0.4681	0.4725	.95	20
Copper	27348	A15635A2	17	A15635A2	16	0.5374	0.5411	.68	20
Iron	27348	A15635A2	17	A15635A2	16	65.7411	66.6855	1.4	20
Lead	27348	A15635A2	17	A15635A2	16	0.4632	0.4664	.7	20
Magnesium	27348	A15635A2	17	A15635A2	16	705.5400	722.6100	2.4	20
Manganese	27348	A15635A2	17	A15635A2	16	4.8830	4.9506	1.4	20
Nickel	27348	A15635A2	17	A15635A2	16	0.5491	0.5558	1.2	20
Potassium	27348	A15635B2	16	A15635B2	15	283.1150	289.4110	2.2	20
Selenium	27348	A15635A2	17	A15635A2	16	0.5491	0.5522	.56	20
Silver	27348	A15635A2	17	A15635A2	16	0.1130	0.1148	1.6	20
Sodium	27348	A15635C2	13	A15635C2	12	586.9030	573.9110	2.2	20
Thallium	27348	A15635A2	17	A15635A2	16	0.4321	0.4319	.044	20
Vanadium	27348	A15635A2	17	A15635A2	16	0.4936	0.4989	1.1	20
Zinc	27348	A15635A2	17	A15635A2	16	0.4966	0.5005	.77	20

TxtQcType: MSD Matrix: AQUEOUS SampleID: AC75323-003

Analyte	BatchId	Data Fil	Seq#:	MS File	Seq#	Result 1	Result 2	RPD	Limit
Mercury	27348	H15635A	17	H15635A	16	10.2202	10.3692	1.4	20

TxtQcType: SD Matrix: AQUEOUS SampleID: AC75323-002

Analyte	BatchId	Data Fil	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	27348	A15635A2	21	A15635A2	14	5	0.1714	0.6936	24	a	10
Antimony	27348	A15635A2	21	A15635A2	14	5	0.0087	0.0046	---		10
Arsenic	27348	A15635A2	21	A15635A2	14	5	-0.0011	0.0096	---		10
Barium	27348	A15635A2	21	A15635A2	14	5	0.1102	0.5351	2.9		10
Beryllium	27348	A15635A2	21	A15635A2	14	5	0.0005	0.0003	700	c	10
Cadmium	27348	A15635A2	21	A15635A2	14	5	0.0025	0.0027	366	c	10
Calcium	27348	A15635A2	21	A15635A2	14	5	63.8874	298.8880	6.9		10
Chromium	27348	A15635A2	21	A15635A2	14	5	0.0010	0.0018	193	c	10
Cobalt	27348	A15635A2	21	A15635A2	14	5	0.0010	0.0019	165	c	10
Copper	27348	A15635A2	21	A15635A2	14	5	0.0006	0.0040	---		10
Iron	27348	A15635A2	21	A15635A2	14	5	12.7283	60.7203	4.8		10
Lead	27348	A15635A2	21	A15635A2	14	5	0.0022	0.0026	---		10
Magnesium	27348	A15635A2	21	A15635A2	14	5	136.9560	658.8130	3.9		10
Manganese	27348	A15635A2	21	A15635A2	14	5	0.8909	4.3468	2.5		10
Nickel	27348	A15635A2	21	A15635A2	14	5	0.0180	0.0910	0.99		10
Potassium	27348	A15635B2	20	A15635B2	13	5	41.1862	221.6880	7.1		10
Selenium	27348	A15635A2	21	A15635A2	14	5	-0.0031	0.0007	---		10
Silver	27348	A15635A2	21	A15635A2	14	5	0.0017	0.0018	375	c	10
Sodium	27348	A15635C2	15	A15635C2	10	5	124.5490	573.2770	8.6		10
Thallium	27348	A15635A2	21	A15635A2	14	5	-0.0016	-0.0084	---		10
Vanadium	27348	A15635A2	21	A15635A2	14	5	0.0189	0.0139	583	a	10
Zinc	27348	A15635A2	21	A15635A2	14	5	0.0040	0.0283	29	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#: AC75324-002 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: DMW-5-10232013 U | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**5**	**120**	**mg/L**	**10**	10/30/13	10/30/13

Lab#: AC75324-003 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: DMW-5-10232013 F | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	10/28/13	10/28/13

Lab#: AC75324-004 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: PC-1-10232013 U | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Alkalinity	ALKALIN-MUR	**1**	**190**	**mg CaCO3/l**	**10**	10/29/13	10/29/13
Alkalinity	ALK-BICARB	**1**	**190**	**mg/L**	**10**	10/29/13	10/29/13
Chloride	CHLORIDE-ICW	**5**	**120**	**mg/L**	**10**	10/30/13	10/30/13
Nitrate	NO3-ICW	1	ND	mg/L	1.0	10/24/13	10/24/13
p-Alkalinity	P-ALKALINITY	1	ND	mg CaCO3/l	10	10/29/13	10/29/13
Sulfate	SO4-ICW	**1**	**21**	**mg/L**	**2.0**	10/30/13	10/30/13

Lab#: AC75324-005 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: PC-1-10232013 F | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	10/28/13	10/28/13

Lab#: AC75324-006 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: LMW-4-10232013 U | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**1**	**16**	**mg/L**	**2.0**	10/24/13	10/24/13

Lab#: AC75324-007 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: LMW-4-10232013 F | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	10/29/13	10/29/13

Lab#: AC75324-008 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: PC-2-10232013 U | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**1**	**25**	**mg/L**	**2.0**	10/24/13	10/24/13

Lab#: AC75324-009 | Project Number: 3102406
Matrix: Aqueous | Received Date: 10/24/2013
Client SampleID: PC-2-10232013 F | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	10/29/13	10/29/13

VERITECH Wet Chem Form1 Analysis Summary

Lab#: AC75324-010 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: LMW-2-10232013 U | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**1**	**14**	**mg/L**	**2.0**	10/24/13	10/24/13

Lab#: AC75324-011 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: LMW-2-10232013 F | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	10/29/13	10/29/13

Lab#: AC75324-012 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: MW-11-10232013 U | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Alkalinity	ALKALIN-MUR	**1**	**290**	**mg CaCO3/l**	**10**	10/29/13	10/29/13
Alkalinity	ALK-BICARB	**1**	**290**	**mg/L**	**10**	10/29/13	10/29/13
Nitrate	NO3-ICW	1	ND	mg/L	1.0	10/24/13	10/24/13
p-Alkalinity	P-ALKALINITY	1	ND	mg CaCO3/l	10	10/29/13	10/29/13
Sulfate	SO4-ICW	**1**	**3.8**	**mg/L**	**2.0**	10/30/13	10/30/13

Lab#: AC75324-014 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: PC-3-10232013 U | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Chloride	CHLORIDE-ICW	**10**	**180**	**mg/L**	**20**	10/30/13	10/30/13

Lab#: AC75324-015 | Project Number: 3102406
Matrix Aqueous | Received Date: 10/24/2013
Client SampleID: PC-3-10232013 F | Collect Date: 10/23/2013

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide	CN-WATER-MUR	1	ND	mg/L	0.020	10/29/13	10/29/13

Blank Summary

Instrument: IC2

Qc Type: Method Blank Summary Prep Date: 10/24/13

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131014152	10/24/13 14:54	MBW-5066	141	Chloride	ND	2.0
20131014152	10/24/13 14:54	MBW-5066	141	Nitrate	ND	1.0
20131014152	10/24/13 14:54	MBW-5066	141	Sulfate	ND	2.0
20131029104	10/30/13 13:46	MBW-5067	12	Chloride	ND	2.0
20131029104	10/30/13 13:46	MBW-5067	12	Nitrate	ND	1.0
20131029104	10/30/13 13:46	MBW-5067	12	Sulfate	ND	2.0

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131014152	10/14/13 18:17	ICB	8	Chloride	ND	2.0
20131014152	10/14/13 18:17	ICB	8	Nitrate	ND	1.0
20131014152	10/14/13 18:17	ICB	8	Sulfate	ND	2.0
20131029104	10/29/13 13:39	ICB	8	Chloride	ND	2.0
20131029104	10/29/13 13:39	ICB	8	Nitrate	ND	1.0
20131029104	10/29/13 13:39	ICB	8	Sulfate	ND	2.0

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131014152	10/24/13 14:28	CCB	140	Chloride	ND	2.0
20131014152	10/24/13 21:34	CCB	152	Chloride	ND	2.0
20131014152	10/24/13 14:28	CCB	140	Nitrate	ND	1.0
20131014152	10/24/13 21:34	CCB	152	Nitrate	ND	1.0
20131014152	10/24/13 14:28	CCB	140	Sulfate	ND	2.0
20131014152	10/24/13 21:34	CCB	152	Sulfate	ND	2.0
20131029104	10/30/13 13:20	CCB	11	Chloride	ND	2.0
20131029104	10/30/13 18:54	CCB	23	Chloride	ND	2.0
20131029104	10/30/13 21:52	CCB	30	Chloride	ND	2.0
20131029104	10/30/13 13:20	CCB	11	Nitrate	ND	1.0
20131029104	10/30/13 18:54	CCB	23	Nitrate	ND	1.0
20131029104	10/30/13 21:52	CCB	30	Nitrate	ND	1.0
20131029104	10/30/13 13:20	CCB	11	Sulfate	ND	2.0
20131029104	10/30/13 18:54	CCB	23	Sulfate	ND	2.0
20131029104	10/30/13 21:52	CCB	30	Sulfate	ND	2.0

Ref SampleID:	Ref Standard RunID	Ref Standard Date
5 PPM	3	10/14/2013 4:10:00 PM

Sample ID: CCV RunID: 11 Analysis Date: 10/15/2013 11:30:00 AM

Analyte	RT	LowLimit	Hi Limit	Flag
Bromide	10.44	9.389999	11.41	
Chloride	6.42	6	6.78	
Fluoride	3.8	3.64	3.92	
Nitrate	12.2	10.98	13.36	
Nitrite	8.03	7.4	8.56	
Phosphorus (Ortho)	16.59	15.42	17.64	
Sulfate	18.17	17.07	19.07	

Sample ID: CCV RunID: 23 Analysis Date: 10/15/2013 4:35:00 PM

Analyte	RT	LowLimit	Hi Limit	Flag
Bromide	10.49	9.389999	11.41	
Chloride	6.43	6	6.78	
Fluoride	3.8	3.64	3.92	
Nitrate	12.26	10.98	13.36	
Nitrite	8.04	7.4	8.56	
Phosphorus (Ortho)	16.64	15.42	17.64	
Sulfate	18.16	17.07	19.07	

Sample ID: CCV RunID: 35 Analysis Date: 10/15/2013 9:40:00 PM

Analyte	RT	LowLimit	Hi Limit	Flag
Bromide	10.48	9.389999	11.41	
Chloride	6.45	6	6.78	
Fluoride	3.82	3.64	3.92	
Nitrate	12.25	10.98	13.36	
Nitrite	8.06	7.4	8.56	
Phosphorus (Ortho)	16.64	15.42	17.64	
Sulfate	18.22	17.07	19.07	

Sample ID: CCV RunID: 39 Analysis Date: 10/15/2013 11:22:00 PM

Analyte	RT	LowLimit	Hi Limit	Flag
Bromide	10.46	9.389999	11.41	
Chloride	6.44	6	6.78	
Fluoride	3.81	3.64	3.92	
Nitrate	12.22	10.98	13.36	
Nitrite	8.04	7.4	8.56	
Phosphorus (Ortho)	16.59	15.42	17.64	
Sulfate	18.15	17.07	19.07	

Ref SampleID:	Ref Standard RunID	Ref Standard Date
5 PPM	3	10/14/2013 4:10:00 PM

Sample ID: CCV RunID: 42 Analysis Date: 10/16/2013 10:41:00 AM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.5	9.389999	11.41	
Chloride	6.46	6	6.78	
Fluoride	3.82	3.64	3.92	
Nitrate	12.27	10.98	13.36	
Nitrite	8.07	7.4	8.56	
Phosphorus (Ortho)	16.74	15.42	17.64	
Sulfate	18.3	17.07	19.07	

Sample ID: CCV RunID: 54 Analysis Date: 10/16/2013 3:46:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.9	9.389999	11.41	
Chloride	6.64	6	6.78	
Fluoride	3.89	3.64	3.92	
Nitrate	12.73	10.98	13.36	
Nitrite	8.32	7.4	8.56	
Phosphorus (Ortho)	17.18	15.42	17.64	
Sulfate	18.5	17.07	19.07	

Sample ID: CCV RunID: 66 Analysis Date: 10/16/2013 8:51:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.68	9.389999	11.41	
Chloride	6.53	6	6.78	
Fluoride	3.84	3.64	3.92	
Nitrate	12.49	10.98	13.36	
Nitrite	8.17	7.4	8.56	
Phosphorus (Ortho)	16.97	15.42	17.64	
Sulfate	18.34	17.07	19.07	

Sample ID: CCV RunID: 78 Analysis Date: 10/17/2013 1:56:00 AM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.6	9.389999	11.41	
Chloride	6.49	6	6.78	
Fluoride	3.83	3.64	3.92	
Nitrate	12.4	10.98	13.36	
Nitrite	8.12	7.4	8.56	
Phosphorus (Ortho)	16.86	15.42	17.64	
Sulfate	18.28	17.07	19.07	

Ref SampleID:	Ref Standard RunID	Ref Standard Date
5 PPM	3	10/14/2013 4:10:00 PM

Sample ID: CCV RunID: 86 Analysis Date: 10/17/2013 5:19:00 AM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	0	9.389999	11.41	*
Chloride	0	6	6.78	*
Fluoride	0	3.64	3.92	*
Nitrate	0	10.98	13.36	*
Nitrite	0	7.4	8.56	*
Phosphorus (Ortho)	0	15.42	17.64	*
Sulfate	18.25	17.07	19.07	

Sample ID: CCV RunID: 89 Analysis Date: 10/18/2013 10:36:00 AM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.49	9.389999	11.41	
Chloride	6.45	6	6.78	
Fluoride	3.82	3.64	3.92	
Nitrate	12.25	10.98	13.36	
Nitrite	8.06	7.4	8.56	
Phosphorus (Ortho)	16.69	15.42	17.64	
Sulfate	18.31	17.07	19.07	

Sample ID: CCV RunID: 100 Analysis Date: 10/18/2013 5:10:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.45	9.389999	11.41	
Chloride	6.43	6	6.78	
Fluoride	3.81	3.64	3.92	
Nitrate	12.21	10.98	13.36	
Nitrite	8.04	7.4	8.56	
Phosphorus (Ortho)	16.68	15.42	17.64	
Sulfate	18.28	17.07	19.07	

Sample ID: CCV RunID: 111 Analysis Date: 10/18/2013 9:49:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.49	9.389999	11.41	
Chloride	6.46	6	6.78	
Fluoride	3.83	3.64	3.92	
Nitrate	12.26	10.98	13.36	
Nitrite	8.07	7.4	8.56	
Phosphorus (Ortho)	16.72	15.42	17.64	
Sulfate	18.33	17.07	19.07	

Ref SampleID:	Ref Standard RunID	Ref Standard Date
5 PPM	3	10/14/2013 4:10:00 PM

Sample ID: CCV RunID: 113 Analysis Date: 10/23/2013 11:34:00 AM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.39	9.389999	11.41	
Chloride	6.41	6	6.78	
Fluoride	3.8	3.64	3.92	
Nitrate	12.14	10.98	13.36	
Nitrite	8	7.4	8.56	
Phosphorus (Ortho)	16.53	15.42	17.64	
Sulfate	18.25	17.07	19.07	

Sample ID: CCV RunID: 125 Analysis Date: 10/23/2013 4:38:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.41	9.389999	11.41	
Chloride	6.41	6	6.78	
Fluoride	3.8	3.64	3.92	
Nitrate	12.16	10.98	13.36	
Nitrite	8.01	7.4	8.56	
Phosphorus (Ortho)	16.55	15.42	17.64	
Sulfate	18.23	17.07	19.07	

Sample ID: CCV RunID: 135 Analysis Date: 10/23/2013 8:53:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.4	9.389999	11.41	
Chloride	6.41	6	6.78	
Fluoride	3.81	3.64	3.92	
Nitrate	12.15	10.98	13.36	
Nitrite	8.01	7.4	8.56	
Phosphorus (Ortho)	16.54	15.42	17.64	
Sulfate	18.25	17.07	19.07	

Sample ID: CCV RunID: 139 Analysis Date: 10/24/2013 2:03:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.67	9.389999	11.41	
Chloride	6.53	6	6.78	
Fluoride	3.85	3.64	3.92	
Nitrate	12.46	10.98	13.36	
Nitrite	8.17	7.4	8.56	
Phosphorus (Ortho)	16.91	15.42	17.64	
Sulfate	18.37	17.07	19.07	

Ref SampleID:	Ref Standard RunID	Ref Standard Date
5 PPM	3	10/14/2013 4:10:00 PM

Sample ID: CCV RunID: 151 Analysis Date: 10/24/2013 9:08:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.67	9.389999	11.41	
Chloride	6.53	6	6.78	
Fluoride	3.85	3.64	3.92	
Nitrate	12.47	10.98	13.36	
Nitrite	8.18	7.4	8.56	
Phosphorus (Ortho)	16.94	15.42	17.64	
Sulfate	18.41	17.07	19.07	

Sample ID: CCV RunID: 154 Analysis Date: 10/24/2013 10:25:00 PM

Analyte	RT	LowLimit	Hi LImit	Flag
Bromide	10.65	9.389999	11.41	
Chloride	6.52	6	6.78	
Fluoride	3.85	3.64	3.92	
Nitrate	12.44	10.98	13.36	
Nitrite	8.16	7.4	8.56	
Phosphorus (Ortho)	16.91	15.42	17.64	
Sulfate	18.38	17.07	19.07	

LCS Recoveries

BatchRunID/RunID:===>				201310141520-142		201310291041-13						
QcBatchID:===>				LCSW-5066		LCSW-5067						
Date/Time:===>				10/24/13 16:29		10/30/13 14:11						
Analytical Method:===>				300.0 rev2.1		300.0 rev2.1						
Matrix:===>				Aqueous		Aqueous		Soil		Soil		Soil
Analyte	300.0 rev2. Amt	Limits	Amt	Limits	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags
Chloride	5	90-110			105		101							
Nitrate	5	90-110			98		95							
Sulfate	5	90-110			112	CwLw	100							

MS/MSD/DUP Recovery

3102406 0111

Prep Batch: W-5066 Sample ID: AC75324-004
Method: 300.0 rev2.1 Matrix Aqueous

Qc Type: MS									MS/MSD/DUP			Non Spike		
Analyte	Amt	Limits Recov	Dil	MS Conc	Sam Conc	Recov	Flag		Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120	1	156.100	150.065	121	Mw		20131014152	144	10/24/13 18:11	20131014152	143	10/24/13 17:45
Nitrate	5	80-120	1	4.95	0	99			20131014152	144	10/24/13 18:11	20131014152	143	10/24/13 17:45
Sulfate	5	80-120	1	29.406	23.1479	125	Mw		20131014152	144	10/24/13 18:11	20131014152	143	10/24/13 17:45

Qc Type: MSD										MS/MSD/DUP			Non Spike		
Analyte	Amt	Limits Recov	Rpd	Dil	MS Conc	Sam Conc	Recov	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120	20	1	156.525	150.065	129	0.3	MW	20131014152	145	10/24/13 18:36	20131014152	143	10/24/13 17:45
Nitrate	5	80-120	20	1	5.0461	0	101	1.9		20131014152	145	10/24/13 18:36	20131014152	143	10/24/13 17:45
Sulfate	5	80-120	20	1	29.1564	23.1479	120	0.9		20131014152	145	10/24/13 18:36	20131014152	143	10/24/13 17:45

Prep Batch: W-5067 Sample ID: AC75362-002
Method: 300.0 rev2.1 Matrix Aqueous

Qc Type: MS									MS/MSD/DUP			Non Spike		
Analyte	Amt	Limits Recov	Dil	MS Conc	Sam Conc	Recov	Flag		Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120	1	10.1968	6.5204	74	Mw		20131029104	18	10/30/13 16:47	20131029104	17	10/30/13 15:56
Nitrate	5	80-120	1	4.6307	0	93			20131029104	18	10/30/13 16:47	20131029104	17	10/30/13 15:56
Sulfate	5	80-120	1	13.2875	8.4209	97			20131029104	18	10/30/13 16:47	20131029104	17	10/30/13 15:56

Qc Type: MSD										MS/MSD/DUP			Non Spike		
Analyte	Amt	Limits Recov	Rpd	Dil	MS Conc	Sam Conc	Recov	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Chloride	5	80-120	20	1	10.2735	6.5204	75	0.7	MW	20131029104	19	10/30/13 17:12	20131029104	17	10/30/13 15:56
Nitrate	5	80-120	20	1	4.6845	0	94	1.2		20131029104	19	10/30/13 17:12	20131029104	17	10/30/13 15:56
Sulfate	5	80-120	20	1	13.5324	8.4209	102	1.8		20131029104	19	10/30/13 17:12	20131029104	17	10/30/13 15:56

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 10/28/13

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131028141	10/28/13 14:55	MBW-836	12	Cyanide	ND	0.020

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131028141	10/28/13 14:53	CCB	11	Cyanide	ND	0.020

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131028141	10/28/13 15:18	CCB	23	Cyanide	ND	0.020
20131028141	10/28/13 15:43	CCB	35	Cyanide	ND	0.020

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 10/28/13

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131028141	10/28/13 14:55	MBW-836	12	Cyanide	ND	0.020

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131028141	10/28/13 14:53	CCB	11	Cyanide	ND	0.020

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131028141	10/28/13 15:18	CCB	23	Cyanide	ND	0.020
20131028141	10/28/13 15:43	CCB	35	Cyanide	ND	0.020
20131028141	10/28/13 15:57	CCB	43	Cyanide	ND	0.020

LCS Recoveries

BatchRunID/RunID:====>	201310281414-13					
QcBatchID:====>	LCSW-836					
Date/Time:====>	10/28/13 14:57					
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	% Rec Flags
Cyanide	0.4 90-110		91				

MS/MSD/DUP Recovery

3102406 0115

Prep Batch: W-836 Sample ID: AC75247-006
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		20131028141	16	10/28/13 15:03	20131028141	15	10/28/13 15:01

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	0.3556	0	89		20131028141	17	10/28/13 15:05	20131028141	15	10/28/13 15:01

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	0.3762	0	94	5.6		20131028141	18	10/28/13 15:07	20131028141	15	10/28/13 15:01

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 10/29/13

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131029140	10/29/13 14:26	MBW-837	11	Cyanide	ND	0.020

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
20131029140	10/29/13 14:24	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
20131029140	10/29/13 14:49	CCB	22	Cyanide	ND	0.020
20131029140	10/29/13 15:15	CCB	34	Cyanide	ND	0.020
20131029140	10/29/13 15:29	CCB	42	Cyanide	ND	0.020
20131029140	10/29/13 15:45	CCB	44	Cyanide	ND	0.020
20131029140	10/29/13 15:51	CCB	48	Cyanide	ND	0.020

LCS Recoveries

BatchRunID/RunID:===>			201310291405-12							
QcBatchID:===>			LCSW-837							
Date/Time:===>			10/29/13 14:29							
Analytical Method:===>			EPA 335.4							
Matrix:===>			Aqueous		Soil		Soil		Soil	
Analyte	EPA 335.4 Amt	Limits	Amt	Limits	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags
Cyanide	0.4	90-110			90									

MS/MSD/DUP Recovery

3102406 0118

Prep Batch: W-837 Sample ID: AC75362-002
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		20131029140	15	10/29/13 14:35	20131029140	14	10/29/13 14:33

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	0.3971	0	99		20131029140	16	10/29/13 14:37	20131029140	14	10/29/13 14:33

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	0.3742	0	94	5.9		20131029140	17	10/29/13 14:39	20131029140	14	10/29/13 14:33

3102406 0119

Analysis Type: ALKAL-M

Batch Number: ALKAL-M-373

Units: mg CaCO3/l

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC75172-003	0	NA	20	78.240085	NA	1.3	
LCS	LCS	100	75-125	NA	99.57829	100	NA	
LCSD	LCSD	100	75-125	20	99.57829	100	0	

Analytical Method(s)

SM2320B-97

Sam #	Type	MB	Result	RL	Per Sol	Full Result	ml h2so4	h2so4 (N)	Sam Vol (ml)	Prep Date	Prep By	Anal Date	Anal By
MB-1-10/29/13	MB	MB-1-10/29/13	ND	10	100	6.0966	0.30	0.020322	50	10/29/13	JW	10/29/13	JW
LCS	LCS	MB-1-10/29/13	100	10	100	99.578	4.90	0.020322	50	10/29/13	JW	10/29/13	JW
LCSD	LCSD	MB-1-10/29/13	100	10	100	99.578	4.90	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-003	DUP	MB-1-10/29/13	78	10	100	78.24	3.85	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-002	Sample	MB-1-10/29/13	ND	10	100	8.1288	0.40	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-003	Sample	MB-1-10/29/13	79	10	100	79.256	3.90	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-004	Sample	MB-1-10/29/13	140	10	100	135.14	6.65	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-005	Sample	MB-1-10/29/13	62	10	100	61.982	3.05	0.020322	50	10/29/13	JW	10/29/13	JW
AC75324-004	Sample	MB-1-10/29/13	190	10	100	190.01	9.35	0.020322	50	10/29/13	JW	10/29/13	JW
AC75324-012	Sample	MB-1-10/29/13	290	10	100	293.65	14.45	0.020322	50	10/29/13	JW	10/29/13	JW

10/30/13

JW 10/30/13

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL)
Rp - RPD failed specified criteria.
Na - Not Applicable
Nc - Not Checked ..either one or both values =ND

3102406 0120

Analysis Type: ALKAL-P

Batch Number: ALKAL-P-39

Units: mg CaCO3/l

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AC75172-003	0	NA	20	0	NA	NA	Nc
LCS	LCS	100	75-125	NA	92.465555	92	NA	
LCSD	LCSD	100	75-125	20	90.433345	90	2.2	

Analytical Method(s)

SM2320B-97

Sam #	Type	MB	Result	RL	Per Sol	Full Result	ml h2so4	h2so4 (N)	Sam Vol (ml)	Prep Date	Prep By	Anal Date	Anal By
MB-1-10/29/13	MB	MB-1-10/29/13	ND	10	100	0	0	0.020322	50	10/29/13	JW	10/29/13	JW
LCS	LCS	MB-1-10/29/13	92	10	100	92.466	4.55	0.020322	50	10/29/13	JW	10/29/13	JW
LCSD	LCSD	MB-1-10/29/13	90	10	100	90.433	4.45	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-003	DUP	MB-1-10/29/13	ND	10	100	0	0	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-002	Sample	MB-1-10/29/13	ND	10	100	0	0	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-003	Sample	MB-1-10/29/13	ND	10	100	0	0	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-004	Sample	MB-1-10/29/13	ND	10	100	0	0	0.020322	50	10/29/13	JW	10/29/13	JW
AC75172-005	Sample	MB-1-10/29/13	ND	10	100	0	0	0.020322	50	10/29/13	JW	10/29/13	JW
AC75324-004	Sample	MB-1-10/29/13	ND	10	100	0	0	0.020322	50	10/29/13	JW	10/29/13	JW
AC75324-012	Sample	MB-1-10/29/13	ND	10	100	0	0	0.020322	50	10/29/13	JW	10/29/13	JW

BA 10/30/13

JW 10/30/13

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL) Rp - RPD failed specified criteria.

Na - Not Applicable Nc - Not Checked ..either one or both values =ND

Carbonate / Bicarbonate

	Analysis	Carbonate / Bicarbonate			Q.C. DATA				
	Batch#	39						Limits	Flags
	Date	10/29/2013			LCS RPD				
	Analyst	JW			LCS	99.58	RPD		
					LCSD	99.58	0.0	20	
					Carbonate RPD				
		Titrant Result	Carbonate	Bicarbonate	Sample	0.00	RPD		
		P = 0	0	M	Sample Dup	0.00	NA	20	
		P < (1/2) M	2P	M-2P					
		P = (1/2) M	2P	0					
		P > (1/2) M	2 (M-P)	0	Bicarbonate RPD				
		P = M	0	0	Sample	79.26	RPD		
					Sample Dup	78.24	1.29	20	

	Samples #	M-Alkalinity (Total)	P-Alkalinity	Carbonate CO3-2 as mg CaCO3/L	Bicarbonate HCO3 as mg CaCO3/L	RL		% Recovery 75-125%	
	MB	6.0966	0.00	0.00	6.0966	10			
	LCS	99.578	92.466	14.22	0.00	10		100	
	LCSD	99.578	90.433	18.29	0.00	10		100	
DUP	AC75172-003	78.24	0.00	0.00	78.24	10			
	AC75172-002	8.1288	0.00	0.00	8.1288	10			
QC Sample	AC75172-003	79.256	0.00	0.00	79.256	10			
	AC75172-004	135.14	0.00	0.00	135.14	10			
	AC75172-005	61.982	0.00	0.00	61.982	10			
	AC75324-004	190.01	0.00	0.00	190.01	10			
	AC75324-012	293.65	0.00	0.00	293.65	10			

AM 10/30/13

* Recovery is outside specified QC limits

JW 10/30/13

HC·V
HAMPTONCLARKE·VERITECH

Last Page of Report

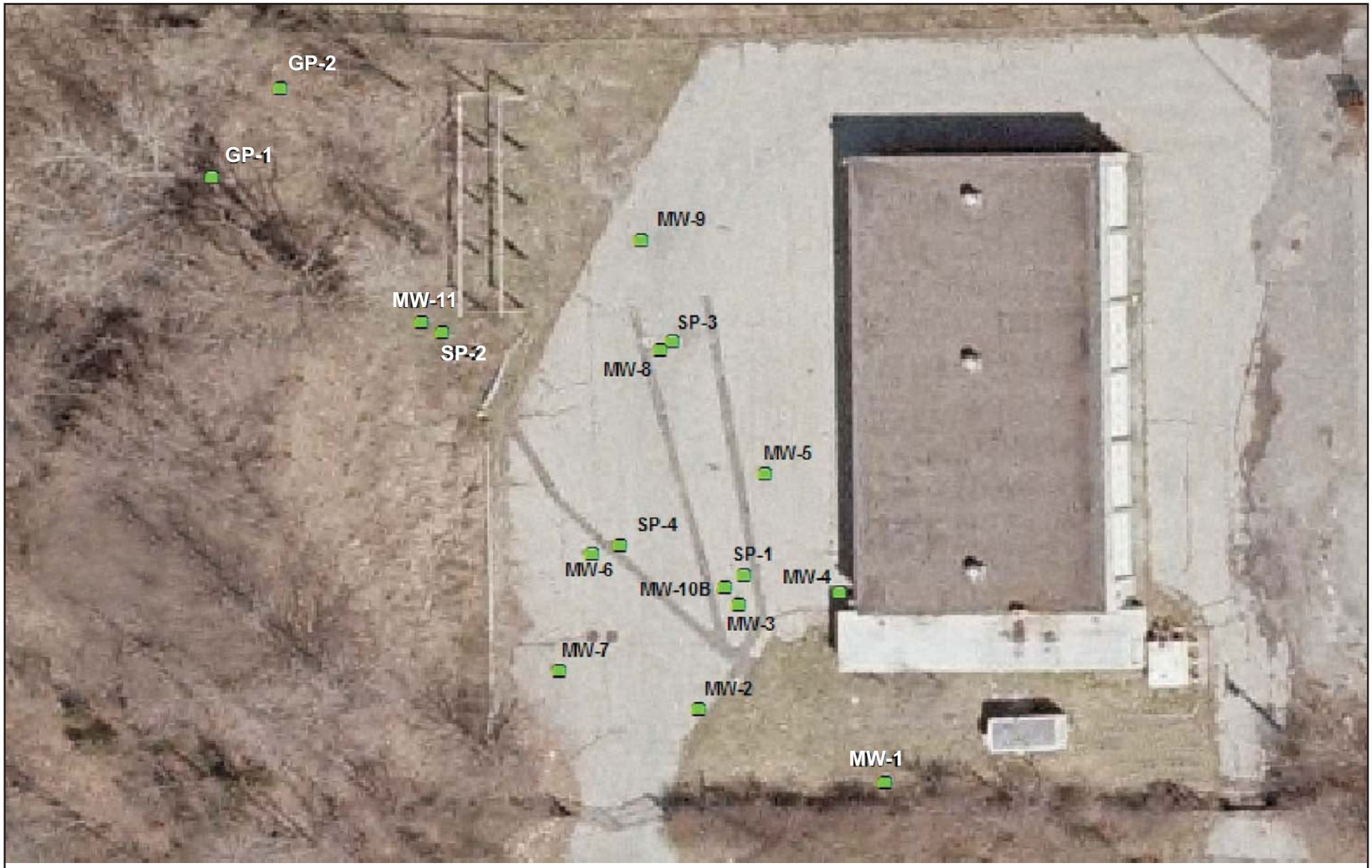
ATTACHMENT C HISTORIC

DATA SUMMARY

& TREND ANALYSIS

(ELECTRONIC)

Henningson, Durham & Richardson Architecture and Engineering, P.C.
in association with HDR Engineering, Inc.



0 APPROX. SCALE (ft) 60 ft

Source: NYSDOT

\M\Graphics\\\HarrisonGarageAttachA_PetrolSpillAreaInspectFeats.des

HDR	Henningson, Durham & Richardson Architecture and Engineering, P.C. One Blue Hill Plaza Pearl River, NY 10965	**Petroleum Spill Area Historic Well Locations** **NYSDOT • Harrison, NY**	**Attachment** C

WELL ID: MW 1	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	ND	54	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	**50**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	**-**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	**-**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	**-**
m,p-Xylene	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	♦	♦	**-**
O-Xylene	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	♦	♦	**-**
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	**-**
TOTAL BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	7,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**27,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	ND	♦	207	**3,760**	264	♦	♦	**5810**	**4840**	♦	♦	♦	♦	**300**
Iron (dissolved)	ND	♦	ND	298	35	85.1 B	56.5 B	58 B	96.1 B	ND	ND	♦	♦	**300**
Lead	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	4,100	♦	**11,000**	3,000	7,700	6,200	6,800	6,200	6,900	2,500	2,700	♦	♦	**10,000**
Sulfate (ug/L)	15,000	♦	13,000	17,000	15,000	17,000	14,000	17,000	13,000	17,000	21,000	♦	♦	**250,000**
TOC (ug/L)	4,000	♦	9,000	8,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	97,400	♦	59,000	42,000	30,000	16,000	45,000 H	56,000	73,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.6	1.97	6.42	8.3	2.5	3.89	4.2	5.9	7.36	5.10	3.45	♦	♦	**N/A**

WELL ID: MW 2	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	5.5	15	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	2.1	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Toluene	8.0	2	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Ethylbenzene	2.7	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
m,p-Xylene	ND	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
O-Xylene	3.8	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Xylenes (total)	3.8	2	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
TOTAL BTEX	16.6	4	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	10,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**22,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**6,330**	**75,600**	**10,400**	♦	♦	**3780**	**12,800**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**646**	**4,240**	**2,770**	**5,860**	**6,780**	187	**1,310**	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND	ND *	81	58	70	230	87	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	14,000	150,000	25,000	15,000	15,000	26,000	9,700	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	17,000	18,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	49,000	40,000	23,000	33,000	43,000 H	46,000	51,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	2.6	3.08	4.23	3.6	1.5	1.07	1.3	1.7	3.03	♦	♦	♦	♦	**N/A**

WELL ID: MW 3	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	**50**	21	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	64	ND	2	3	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Toluene	21	ND	2	3	ND	ND	ND	ND	1J	♦	♦	♦	♦	-
Ethylbenzene	350	ND	ND	40	82	120	61	ND	82	♦	♦	♦	♦	-
m,p-Xylene	460	-	-	-	44	56	15	20	10	♦	♦	♦	♦	-
O-Xylene	65	-	-	-	6	5	1 J	2J	ND	♦	♦	♦	♦	-
Xylenes (total)	525	2	170	110	50	61	16	22	10	♦	♦	♦	♦	-
TOTAL BTEX	**960.0**	2	**174**	**156**	**132**	**181**	77	22	93	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene	♦		ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene	**160**		4 J	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	24,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**43,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	**18,000**	♦	**8,880**	**35,100**	**14,400**	♦	♦	**20,800**	**17,200**	♦	♦	♦	♦	**300**
Iron (dissolved)	ND	♦	**2,410**	**4,000**	**7,250**	**6,870**	**7,030**	**5,260**	**4,610**	♦	♦	♦	♦	**300**
Lead	8	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	ND	♦	ND	ND *	ND	ND	ND	32	ND	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	ND	♦	18,000	24,000	27,000	6,500	7,300	14,000	ND	♦	♦	♦	♦	**250,000**
TOC (ug/L)	10,000	♦	27,000	70,000	6,300	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	9,200	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	105,000	♦	48,000	70,000	45,000	84,000	51,000 H	61,000	65,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	2.1	2.93	1.89	3.0	1.1	1.36	1.04	1.26	1.33	♦	♦	♦	♦	**N/A**

WELL ID: MW 4	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	13	3	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	4.4	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Ethylbenzene	22	2	2	ND	16	ND	1 J	2J	ND	♦	♦	♦	♦	-
m,p-Xylene	♦	-	-	-	1	ND	ND	ND	ND	♦	♦	♦	♦	-
O-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Xylenes (total)	13	ND	1	ND	1	ND	ND	ND	ND	♦	♦	♦	♦	-
TOTAL BTEX	39.4	2	3	ND	17	ND	1	2	ND	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	8,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**22,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**1,360**	**1,330**	**3,480**	♦	♦	**307**	**14,600**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**1,010**	ND	**2,740**	61.0 B	**635**	55.1 B	199B	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND	3,200	ND	2400	530	450	960	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	15,000	22,000	21,000	18,000	13,000	13,000	13,000	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	14,000	13,000	44,000	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	55,000	40,000	55,000	21,000	65,000 H	98,000	91,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.5	2.35	4.29	3.9	0.82	1.42	2	1.6	2.97	♦	♦	♦	♦	**N/A**

WELL ID: MW 5	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	**150**	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	14	ND	1	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Toluene	32	2	2	ND	2	ND	ND	1J	ND	♦	♦	♦	♦	**-**
Ethylbenzene	410	ND	ND	ND	150	ND	99	140	75	♦	♦	♦	♦	**-**
m,p-Xylene	♦	-	-	-	93	ND	42	46	12	♦	♦	♦	♦	**-**
O-Xylene	♦	-	-	-	5	ND	2 J	3J	ND	♦	♦	♦	♦	**-**
Xylenes (total)	460	43	230	4	98	ND	44	49	12	♦	♦	♦	♦	**-**
TOTAL BTEX	**916**	45	**233**	4	**250**	ND	**143**	**190**	87	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			10	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	60,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**32,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**9,630**	**3,910**	**4,500**	♦	♦	**9770**	**9,830**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**2,930**	**1,820**	**1,240**	**7,070**	**4,560**	**6,100**	**4,690**	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND	620	210	ND	ND	220	29	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	17,000	12,000	16,000	42,000	8,500	ND	ND	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	23,000	14,000	12,000	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	68,000	12,000	28,000	100,000	73,000 H	74,000	ND	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.4	3.09	6.12	9.0	1.6	1.19	1.73	1.23	1.52	♦	♦	♦	♦	**N/A**

WELL ID: MW 6	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	**73**	20	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	7.9	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Toluene	7	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Ethylbenzene	98	ND	ND	3	61	ND	88	16	100	♦	♦	♦	♦	**-**
m,p-Xylene	♦	-	-	-	30	14	37	27	28	♦	♦	♦	♦	**-**
O-Xylene	♦	-	-	-	2	1	3 J	4J	3J	♦	♦	♦	♦	**-**
Xylenes (total)	112	21	6	27	33	16	40	31	31	♦	♦	♦	♦	**-**
TOTAL BTEX	**224.9**	21	6	30	94	16	**128**	47	**131**	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	40,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**33,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**1,720**	**2,410**	**2,750**	♦	♦	**4610**	**5,630**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**475**	**2,060**	**874**	**1,080**	**1,620**	**1,270**	**593**	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND	ND *	ND	ND	ND	ND	ND	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	17,000	19,000	22,000	10,000	7,400	7,200	ND	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	17,000	25,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	60,000	32,000	27,000	33,000	48,000	45,000	49,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.1	6.05	4.1	3.5	0.89	1.41	2.9	3.3	1.57	♦	♦	♦	♦	**N/A**

WELL ID: MW 7	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	16	38	17	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	3.4	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Toluene	4	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Ethylbenzene	5.7	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
m,p-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
O-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Xylenes (total)	4.8	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
TOTAL BTEX	17.9	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	40,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**35,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**2,700**	**30,000**	**3,080**	♦	♦	**3960**	**18,000**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**1,880**	**4,020**	**2,380**	**2,190**	**2,640**	**1,600**	165B	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND	ND*	150	ND	160	330	ND	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	15,000	38,000	20,000	8,200	13,000	11,000	7,400	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	16,000	21,000	11,000	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	78,000	35,000	37,000	27,000	42,000	63,000	41,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.2	3.12	4.43	3.4	1.0	2.2	1.8	2.0	2.66	♦	♦	♦	♦	**N/A**

WELL ID: MW 8	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	**68**	6	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	110	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Toluene	26	ND	2	ND	ND	ND	2 J	ND	ND	♦	♦	♦	♦	**-**
Ethylbenzene	60	ND	ND	ND	2	1	41	2J	27	♦	♦	♦	♦	**-**
m,p-Xylene	160	-	-	-	1	ND	12	7	5	♦	♦	♦	♦	**-**
O-Xylene	40	-	-	-	ND	ND	2 J	2J	2J	♦	♦	♦	♦	**-**
Xylenes (total)	200	ND	34	7	1	ND	14	9	7	♦	♦	♦	♦	**-**
TOTAL BTEX	**396**	ND	36	7	3	1	57	11	34	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene	♦		ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene	**34**		ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	5,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**63,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	**8,600**	♦	**545**	**4,370**	**3,320**	♦	♦	**7160**	**4,070**	♦	♦	♦	♦	**300**
Iron (dissolved)	230	♦	ND	48.7 B	ND	**1,890**	**3,310**	**3,160**	282	♦	♦	♦	♦	**300**
Lead	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	33	♦	ND	ND *	190	ND	ND	120	28	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	ND	♦	31,000	ND	ND	ND	3,800	ND	ND	♦	♦	♦	♦	**250,000**
TOC (ug/L)	12,000	♦	21,000	25,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	7,600	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	264,000	♦	37,000	22,000	19,000	30,000	56,000	55,000	42,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	1.5	6.3	4.6	4.5	0.89	0.88	2.18	3.13	1.96	♦	♦	♦	♦	**N/A**

WELL ID: MW 9	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
m,p-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
O-Xylene	♦	-	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
TOTAL BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			2 J	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	**260,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**160,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**4,570**	**7,870**	**12,600**	♦	♦	232	**16,000**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	ND	ND	ND	32.2 B	ND	44.9 B	**450**	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND	690	340	730	870	770	1,100	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	21,000	23,000	19,000	12,000	12,000	17,000	19,000	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	18,000	15,000	9,000	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	ND	ND *	ND	ND	ND	ND	ND	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.3	7.5	5.49	12.3	6.30	3.65	7.60	8.20	6.65	♦	♦	♦	♦	**N/A**

WELL ID: MW 11								(Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE								ND	ND	ND	ND	ND	ND	**50**
Benzene								ND	ND	0.88	0.88	ND	1.9	**-**
Toluene								1 J	ND	1	2.9	ND	ND	**-**
Ethylbenzene								10	3J	13	130	53	32	**-**
m,p-Xylene								7	ND	3.8	35	12	11	**-**
O-Xylene								ND	ND	1.6	3.1	1.2	2.3	**-**
Xylenes (total)								7	ND	5.4	38.1	13.2	13.3	**-**
TOTAL BTEX								18	3	20.28	**171.88**	66.2	47.2	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene								♦	♦	♦	♦	♦	♦	**50**
Napthalene								♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride								♦	♦	♦	♦	♦	♦	**250,000**
Sodium								♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)								**174,000**	**23,400**	♦	♦	♦	♦	**300**
Iron (dissolved)								**1370**	**307**	ND	ND	**610**	**5500**	**300**
Lead								♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)								0.98	240	ND	ND	ND	ND	**10,000**
Sulfate (ug/L)								57,000	15,000	19	9	14,000	3,300	**250,000**
TOC (ug/L)								♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)								♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)								230,000	140,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)								3.70	5.45	3.30	3.01	16.25	5.03	**N/A**

WELL ID: MW 12										(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE										ND	ND	ND	♦	**50**
Benzene										ND	ND	ND	♦	**-**
Toluene										ND	ND	ND	♦	**-**
Ethylbenzene										23	4.1	3.4	♦	**-**
m,p-Xylene										ND	ND	ND	♦	**-**
O-Xylene										ND	ND	ND	♦	**-**
Xylenes (total)										ND	ND	ND	♦	**-**
TOTAL BTEX										23	4.1	3.4	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene										♦	♦	♦	♦	**50**
Napthalene										♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride										♦	♦	♦	♦	**250,000**
Sodium										♦	♦	♦	♦	**20,000**
Iron (total)										♦	♦	♦	♦	**300**
Iron (dissolved)										**650**	**2600**	**4100**	♦	**300**
Lead										♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)										ND	0.35	ND	♦	**10,000**
Sulfate (ug/L)										5.6	19.0	13,000	♦	**250,000**
TOC (ug/L)										♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)										♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)										♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)										1.10	2.61	4.51		**N/A**

WELL ID: MW 13										(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE										ND	ND	ND	♦	**50**
Benzene										ND	ND	ND	♦	**-**
Toluene										ND	ND	ND	♦	**-**
Ethylbenzene										ND	ND	ND	♦	**-**
m,p-Xylene										ND	ND	ND	♦	**-**
O-Xylene										ND	ND	ND	♦	**-**
Xylenes (total)										ND	ND	ND	♦	**-**
TOTAL BTEX										ND	ND	ND	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene										♦	♦	♦	♦	**50**
Napthalene										♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride										♦	♦	♦	♦	**250,000**
Sodium										♦	♦	♦	♦	**20,000**
Iron (total)										♦	♦	♦	♦	**300**
Iron (dissolved)										♦	♦	♦	♦	**300**
Lead										♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)										0.46	1.5	1300	♦	**10,000**
Sulfate (ug/L)										13	23	25,000	♦	**250,000**
TOC (ug/L)										♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)										♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)										♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)										1.80	5.87	5.87	♦	**N/A**

WELL ID: SP 1	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	3.2	31	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Benzene	1.4	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	♦	♦	-
Toluene	3.7	ND	ND	ND	60	♦	♦	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	4.0	ND	ND	2	22	♦	♦	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	8.1	-	-	-	100	♦	♦	♦	♦	♦	♦	♦	♦	-
O-Xylene	2.9	-	-	-	42	♦	♦	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	11.0	ND	ND	1	140	♦	♦	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	20.1	ND	ND	3	**222**	♦	♦	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	16,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**45,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**3,940**	**3,720**	NA	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	52.1 B	68.0 B	NA	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	160	NA	♦	♦	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	48,000	46,000	NA	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	25,000	17,000	ND	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	18,000	19,000	NA	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	4.6	9.66	4.6	2.3	NA	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**

WELL ID: MW 10 B	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	4.9	♦	ND	NA	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	2.1	♦	ND	NA	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Toluene	ND	♦	ND	NA	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Ethylbenzene	ND	♦	1	NA	9	23	8	ND	9	♦	♦	♦	♦	-
m,p-Xylene	3.5	♦	-	NA	2	15	2 J	ND	2J	♦	♦	♦	♦	-
O-Xylene	5.6	♦	-	NA	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Xylenes (total)	9.1	♦	ND	NA	2	15	2 J	ND	2	♦	♦	♦	♦	-
TOTAL BTEX	11.2	♦	1	NA	11	38	10	ND	11	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	34,000	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**27,000**	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**1,080**	NA	**1,190**	♦	♦	**1460**	**1,880**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	32.8 B	NA	**462**	**644**	**592**	**456**	**343**	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	NA	ND	ND	120	ND	120	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	27,000	NA	19,000	9,000	12,000	12,000	8,100	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	14,000	NA	9,400	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	NA	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	39,000	NA	39,000	25,000	32,000	25,000	14,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	4.7		4.91	NA	2.0	2.9	2.4	1.1	5.35	♦	♦	♦	♦	**N/A**

WELL ID: SP 2	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	18	♦	14	ND	ND	ND	ND	♦	♦	♦	♦	♦	♦	**50**
Benzene	19	♦	ND	7	7	5	2 J	♦	♦	♦	♦	♦	♦	-
Toluene	25	♦	ND	6	2	2	4 J	♦	♦	♦	♦	♦	♦	-
Ethylbenzene	110	♦	1	42	ND	5	42	♦	♦	♦	♦	♦	♦	-
m,p-Xylene	52	♦	-	-	4	1	13	♦	♦	♦	♦	♦	♦	-
O-Xylene	11	♦	-	-	2	ND	ND	♦	♦	♦	♦	♦	♦	-
Xylenes (total)	63	♦	ND	3	6	1	13	♦	♦	♦	♦	♦	♦	-
TOTAL BTEX	**217.0**	♦	**1**	58	15	13	61	♦	♦	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	36,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**75,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**9,750**	**7,590**	**2,700**	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	ND	126 B	ND	166 B	**2,120**	♦	♦	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	100	ND	37	ND	♦	♦	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	26,000	64,000	18,000	7,900	7,200	♦	♦	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	17,000	29,000	14,000	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	36,000	42,000	38,000	37,000	58,000	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	2.5	♦	3.1	4.0	1.0	1.47	1.7	♦	♦	♦	♦	♦	♦	**N/A**

WELL ID: SP 3	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	38	♦	7	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	110	♦	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Toluene	39	♦	1	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	-
Ethylbenzene	200	♦	ND	ND	ND	ND	ND	ND	31	♦	♦	♦	♦	-
m,p-Xylene	180	♦	-	-	ND	ND	ND	ND	4J	♦	♦	♦	♦	-
O-Xylene	57	♦	-	-	ND	ND	ND	ND	3J	♦	♦	♦	♦	-
Xylenes (total)	237	♦	15	ND	ND	ND	ND	ND	7	♦	♦	♦	♦	-
TOTAL BTEX	**586.0**	♦	16	ND	ND	ND	ND	ND	38	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene			ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	6,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**38,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**2,970**	**1,060**	133 B	♦	♦	**3380**	**3,170**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	ND	ND	ND	116 B	**384**	**891**	**572**	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	100	ND	25	66	ND	ND	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	56,000	16,000	19,000	5,900	22,000	ND	ND	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	11,000	18,000	41,000	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	11,000	11,000	20,000	19,000	26,000	57,000	32,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	3.4	♦	4.21	5.7	1.1	1.7	2.2	1.05	3.27	♦	♦	♦	♦	**N/A**

WELL ID: SP 4	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	24	♦	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**50**
Benzene	24	♦	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Toluene	3.8	♦	ND	ND	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Ethylbenzene	35	♦	ND	3	26	ND	ND	ND	ND	♦	♦	♦	♦	**-**
m,p-Xylene	9.5	♦	-	-	8	ND	ND	ND	ND	♦	♦	♦	♦	**-**
O-Xylene	2.4	♦	-	-	ND	ND	ND	ND	ND	♦	♦	♦	♦	**-**
Xylenes (total)	11.9	♦	ND	2	8	ND	ND	ND	ND	♦	♦	♦	♦	**-**
TOTAL BTEX	**74.7**	♦	ND	5	34	ND	ND	ND	ND	♦	♦	♦	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene		♦	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene		♦	ND	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	16,000	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	**24,000**	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	**3,790**	**5,350**	**2,490**	♦	♦	**10,400**	**25,400**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	**602**	**1,810**	**1,810**	**2,460**	44.5	**953**	**326**	♦	♦	♦	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	ND*	ND*	ND	ND	150	200	ND	♦	♦	♦	♦	**10,000**
Sulfate (ug/L)	♦	♦	34,000	22,000	37,000	26,000	8,400	24,000	13,000	♦	♦	♦	♦	**250,000**
TOC (ug/L)	♦	♦	14,000	24,000	11,000	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	39,000	24,000	31,000	26,000	23,000	39,000	ND	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	4.2	♦	6.89	4.2	2.4	6.2	3.4	3.8	5.6	♦	♦	♦	♦	**N/A**

WELL ID: GP 2	BASELINE (May 2000)	(Jan 2001)	(May 2001)	(Jan 2002)	(Jan 2003)	(Sept 2003)	(May 2004)	(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	♦	♦	♦	♦	3	ND	ND	♦	♦	♦	♦	ND	♦	**50**
Benzene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	**-**
Toluene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	**-**
Ethylbenzene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	**-**
m,p-Xylene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	**-**
O-Xylene	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	**-**
Xylenes (total)	♦	♦	♦	♦	ND	ND	ND	♦	♦	♦	♦	ND	♦	**-**
TOTAL BTEX	♦	♦	♦	♦	3	ND	ND	♦	♦	♦	♦	ND	♦	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	ND	♦	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	ND	♦	**10,000**
Sulfate (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	21,000	♦	**250,000**
TOC (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	16.79	♦	**N/A**

WELL ID: PC-1								(Oct 2005)/ (Mar 2006)	(July 2007)	(Oct 2008)	(Jan 2010)	(Apr 2011)	(July 2012)	TARGET EFFLUENT CRITERIA
Volatile Organics (ug/L)														
MTBE	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	**50**
Benzene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	**-**
Toluene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	**-**
Ethylbenzene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	**-**
m,p-Xylene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	**-**
O-Xylene	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	**-**
Xylenes (total)	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	**-**
TOTAL BTEX	♦	♦	♦	♦	♦	♦	♦	ND	ND	ND	ND	ND	ND	**100**
Semi-volatile Org.(ug/L)														
2-Methylnaphthalene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**50**
Napthalene	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Metals (ug/L)														
Chloride	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**250,000**
Sodium	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**20,000**
Iron (total)	♦	♦	♦	♦	♦	♦	♦	**599**	**952**	♦	♦	♦	♦	**300**
Iron (dissolved)	♦	♦	♦	♦	♦	♦	♦	28.6 B	**425**	ND	ND	ND	ND	**300**
Lead	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**25**
Other														
Nitrogen, Nitrate (ug/L)	♦	♦	♦	♦	♦	♦	♦	50	ND*	ND	ND	ND	ND	**10,000**
Sulfate (ug/L)	♦	♦	♦	♦	♦	♦	♦	5000	37,000	34	36	13,000	1,400	**250,000**
TOC (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Petroleum Hydrocarbons (ug/L)	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	♦	**N/A**
Carbon Dioxide (ug/L)	♦	♦	♦	♦	♦	♦	♦	10,000	35,000	♦	♦	♦	♦	**N/A**
Dissolved Oxygen (mg/L)	♦	♦	♦	♦	♦	♦	♦	2.72	3.02	4.1	1.92	16.57	5.13	**N/A**

Notes:
ND = Non Detect
B = Concentration below the reporting limit equal to or above the detection limit.
J = Concentration below the reporting limit.
H = Analyzed outside of the holding time.
* Nitrogen, Nitrate was analyzed outside the recommended holding time for this sample and therefore the analytical results may be biased low.